ANNEXURE – 10

MANDATORY DISCLOSURE

Norms: As per AICTE, New Delhi,Approval Process Handbook 2022-2023

Update as on 20 April, 2022

(1)	Name of the Institution	All India Shri Shivaji Memorial Society's Institute of Information Technology
	Address	1, Kennedy Road, Near R.T.O.,
	City with Pin code	Pune – 411 001
	State / UT	Maharashtra
	Nationality	India
	Type of Institution	Private – Self Financed
	Category (01) of the Institution	Non-minority
	Category (02) of the Institution	Co-education
	Academic hours at the Institution	0800 hrs to 1630 hrs
	Office hours at the Institution	1000 hrs to 1830 hrs
	FAX number with STD code	91-020- 26058877
	Telephone	Direct : 91-020-020- 26057983, EPABX : 91-20-26057636 , (Ext No. 2001, 2002, 2003)
	E-mail	principal@aissmsioit.org
	Website	www.aissmsioit.org
	Nearest Railway Station (distance in Kilometre)	0.5 kmt
	Nearest Airport (distance in Kilometre)	08 kmt

(2)	Name and address of the Trust / Society running the Institution	All India Shri Shivaji Memorial Society
	Address	55-56, Shivajinagar
	City with Pin code	Pune – 411 005
	State / UT	Maharashtra
	National	India
	Type of Trust / Society	Society
	As per Government of Maharashtra Societies Registration Act XXI of 1860 No & date	No. 3238 of 1955-1956, dated 28 May 1955
	Office hours at the Institution	1000 hrs to 1830 hrs
	FAX number with STD code	91-020-25534661
	Telephone	Direct : 91-020-2551001, 2551003
	E-mail	enquiry@aissms.org, honjtsecretary@gmail.com
	Website	www.aissms.org
	Nearest Railway Station (distance in Kilometre)	02kmt
	Nearest Airport (distance in Kilometre)	09kmt

Place: Pune
Date: 20 April 2022

INSTITUTE OF INFORMATION TECHNOLOGY * AISSMS * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

(3)	Name of the Principal / Director	Dr. Pradeep B. Mane
	Designation	Principal
	Qualification	Ph D ME- E&TC BE –E&TC
	Field of specialization	Computer Engineering
	FAX number with STD code	91-020- 26058877
	Telephone	Direct : 91-020- 26057983, EPABX : 91-20-26057636 , (Ext No. 2001, 2002)
	Mobile	9420918444
	E-mail	principal@aissmsioit.org

(4)	Name of the affiliating University	Savitribai Phule Pune University
	Address	Ganeshkhind, Pune – 411007 (Maharashtra)
	FAX number with STD code	91-020-25691233
	Telephone	91-020-25601257, 25601258, 25601250
	e-mail	affiliation@pun.unipune.ac.in
	Website	www.unipune.ac.in
	Latest affiliation period, Letter No & date	No.CA/531, Dated 05.08.2020, Year 2020-2021

(4) (A) NBA Accreditation Status:

01	Accrediated up to 30.06.2025	Computer Engineering, Information Technology, Electrical Engineering, E&TC Engineering, Instrumentation Engineering

(4) (B) NAAC Accreditation Status:

01	Accredited up to 02.11.2026	Accreditation Grade :-A+ with 3.40 Score

(5)	Governance

5.1Members of the Board and their brief background

Sr No	Name and address of the Trustee	Designation	e-mail and contact number	Credential
1	**Shri ShahuChhatrapati,** New Palace, Kolhapur - 416003	President	shahuchhatrapatinpk@yahho.co .in	Social Worker
2	**Shri YuvrajSambhajiraje Chhatrapati** New Palace, Kolhapur - 416003	Vice-President	sambhajichhatrapati@rediffmail .com 9822549320 PA- Amar Patil 9850508671 PA - Yuvraj 9922414130	Social Worker
3	**Shri MalojirajeChhatrapati** New Palace, Kolhapur - 416003	Honorary Secretary	honsectertary@aissms.org 9850011333 PA - Vilas 9823138333 PA - Shivaji 9923898686	Social Worker
4	**Shri Shinde Suresh Pratap** Plot No. 31,WirelessHau. Society Near PariharChowkAundh, Pune – 411 007	Honorary Joint Secretary	honjtsecretary@gmail.com 9422036902	Business

Place: Pune
Date: 20 April 2022

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INSTITUTE OF INFORMATION TECHNOLOGY AISSMS
UoP
Id. No.
PU/PN/Engg
124/1998

5	**Shri Patil Ajay Uttamrao** Ankur Park 2, Mukundnagar, Flat No. 12/11, Pune – 411 037	Treasurer	aupatil16000@gmail.com 9822022575 9823124617	Business
6	**Shri PatilVishwasBajirao** C.S. No. 511/KH, 'E' Ward Ayodhya Towers, 1st Floor Dabholkar Corner, Station Road Kolhapur - 416 001	Chairman, Governing Council	kpr_vbpatil@bsnl.in 9890009999 PA - Sanju 9860699099	Business
7	**Shri SalunkheBhagwanraoBaburao** 22, Shankarmaharaj Society Vardhamanpur, Near Gangadham Bibvewadi,Pune – 411 037	Chairman Managing Committee	bhagwanraosalunkhe@gmail.com 9822072691	Lawyer

5.2 Members of Academic Advisory Body (Managing Committee)

Sr No	Name and address of the member	Designation	e-mail	Contact number
1	**Shri YuvrajSambhajiraje Chhatrapati** New Palace KOLHAPUR - 416 003	Vice-President	sambhajichhatrapati@rediffmail.com	9822549320 PA- Amar Patil 9850508671 PA - Yuvraj 9922414130
2	**Shri MalojirajeChhatrapati** New Palace KOLHAPUR - 416 003	Honorary Secretary	honsectertary@aissms.org	9850011333 PA - Vilas 9823138333 PA - Shivaji 9923898686
3	**Shri Shinde Suresh Pratap** Plot No. 31,WirelessHau. Society Near PariharChowkAundh PUNE – 411 007	Honorary Joint Secretary	honjtsecretary@gmail.com	9422036902
4	**Shri Patil Ajay Uttamrao** Ankur Park 2, Mukundnagar, Flat No. 12/11 PUNE – 411 037	Treasurer	aupatil16000@gmail.com	9822022575 9823124617
5	**Shri PatilVishwasBajirao** C.S. No. 511/KH, 'E' Ward Ayodhya Towers, 1st Floor Dabholkar Corner, Station Road KOLHAPUR-416 001	Chairman, Governing Council	kpr_vbpatil@bsnl.in	9890009999
6	**Shri SalunkheBhagwanraoBaburao** 22,Shankarmaharaj Society Vardhamanpur, Near Gangadham Bibvewadi, PUNE – 411 037	Chairman Managing Committee	bhagwanraosalunkhe@gmail.com	9822072691
7	**Shri MozeShrikantHambirrao** 86 Yerwada, Shivaji Lane PUNE – 411 006	Member, Managing Committee		9822394481
8	**Shri JadhavNitin** 329 A, Shivaji Peth KOLHAPUR	Member, Managing Committee		9823543887
9	**Shri BamaneNandkumar** 599 B Parijat Row bungalow Shahu Colony Hockey stadium to Jaragnar road, Kolhapur - 416012	Member, Managing Committee		9423042842
10	**Shri PadmakarGulabraoPawar** 68/B, Shahu Society, Natu Baugh Pune-Satara Road PUNE-411 037	Member, Managing Committee		9881376774
11	**Shri Nikhil Ashok Khanse** B-30 Abhiman Shri Society Pashan Road, PUNE – 411 008	Member, Managing Committee		9822031134
12	**Shri Anil SampatraoTaware** Malegaon Colony Near Sharadanagar At Post Malegaon Bk, Tal. Baramati ,Dist. Pune -413115	Member, Managing Committee		9763350657

Place: Pune
Date: 20 April 2022

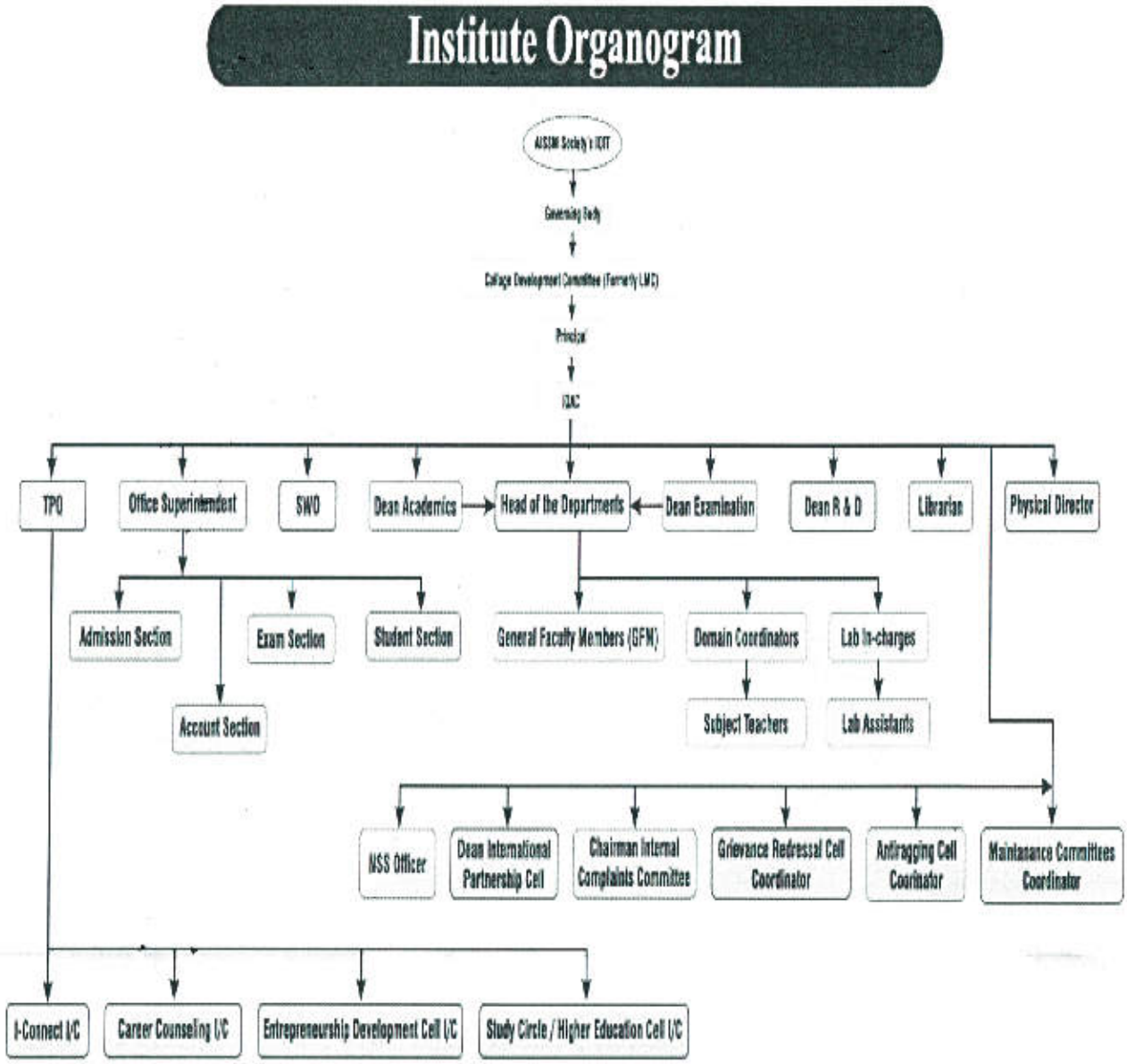
(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

5.3 Frequently of the Board Meeting and Academic Advisory Body

Sr No	Name of the Committee	Frequently of the Meeting
1	Society / Board Committee	The Meetings of the Managing Committee are held at 3 to 4 times in a year.
2	Academic Advisory Body	The Meetings of the Governing Body are held at 3 to 4 times in a year

5.4Organizational chart and processes

AISSMSIOIT ORGANISATION STRUCTURE



Place: Pune
Date: 20 April 2022

(Authorized Signature)
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Principal, AISSMSIOIT, Pune-

- Organizational processes: The Hon. Secretary represents the Management of the Society. He is assisted by the college Governing Body, College Development Committee (CDC) and the Principal is responsible towards academic activity and Management of the college. The college is divided in 3 main areas :
    i. Engineering Education Programme
    ii. Management & Administration
    iii. Overall Management

The Engineering Programmes are run through the department. The department activities are divided in 8 sub-activities:

i. Computer Applications
ii. Departmental Library
iii. Laboratory Development
iv. Services
v. Student Related Activities and Alumni
vi. R & D
vii. P.G. Co-ordination
viii. Testing & Consultancy

The day to day management & administration of the college is divided in 4 main areas namely:

i. General Administration
ii. Finance
iii. Personnel
iv. Materials

The overall management of the college is divided in 7 main areas namely :

i. Organization & Governance
ii. Financial Resources
iii. Physical Resources
iv. Human Resources (Faculty & Staff)
v. Human Resources (Students)
vi. Teaching & Learning
vii. Research and Development (R&D)
viii.

5.5Nature and Extent of involvement of Faculty and Students in academic affairs / improvements

The teaching faculty and the students of the college are deeply involved in continuous improvement of the academic standard. This involvement is a continuous process which takes place through the following forums:

1) Department-wise students' organizations.
2) Department-wise meetings of Guardian Faculty Member with the students (periodic)
3) Departmental Faculty meetings on weekly basis
4) Meetings of Heads of department with principal on weekly basis
5) Meetings of departmental faculty with the Principal on weekly basis.
6) Representation of faculty member in College Development Committee (CDC). The meetings of all these forums take place regularly and minutes are maintained.
7) Students' council.

Place: Pune
Date: 20 April 2022

(Authorized Signature)
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5.6Mechanism / Norms and Procedure for democratic / good Governance

The Management & administration of the college is totally transparent. All issues related to the academic development, career development of teachers, development of infrastructure, training and placement of students are thoroughly discussed in the departmental meetings and meetings of Heads of the departments with the principal, before implementation at the college level.

5.7Student Feedback on Institutional Governance / Faculty performance

The Students' feedback on the institutional aspects and faculty performance is obtained twice in each semester i.e. four time in a year. The feedback is analyzed at the level of Heads of the Department and corrective measures are taken whenever appropriate.

5.8Grievance Redressal mechanisms for Faculty, staff and students

The College is affiliated to SavitribaiPhule Pune University, Pune. The University already has a grievance redressal mechanism for the faculty, staff & students. However at the College level, grievance redressal committee as per AICTE norms has been formed to deal with the day to day as well as urgent problems of the faculty, staff, students.

Facultyand Staff Grievance
Chairman: Dr.Pradeep.B.Mane (Principal)
Members: 1) Dr.Manoj S. Nagmode (One Senior Professor of the affiliating University)
2)Ex-Officio (State DTE Nominee)
3) Mr.Mohini P. Sardey (Associate Prof. In E&TC Engineering,AISSMS IOIT)

Student Grievance
Chairman: Dr. M.P.Sardey
Members: All Hods,
IQAC Cordinator.
Mr. A.J.Mate

5.9 Establishment of Anti Ragging Committee
Chairman: Ms. D.S.Morey (Physical Director)
Members: All HODs,
All Class Teachers (GFM)

5.10 Establishment of Online Grievance Redressal Mechanism

Online grievance can be given by using following link available on college website www.aissmsioit.org https://docs.google.com/forms/d/e/1FAIpQLSfqwEDaZdKx6Nb_4u-zmW0fwRO5TygGvgOM1ead0nWwf4_t4Q/viewform

5.11 Establishment of Grievance Redressal Committee in the Institution and Appointment of OMBUDSMAN by the University(Committee appointment as per SPPU letter No. CA/4197, dt. 21.12.2012)

Sr No	Name and address of the member	Designation	e-mail	Contact number
1	Adv Shrikant Narayan Patil C-45, Swapna nagari, Karve Road, Near Aurved Rasshala, Pune - 411004	Advocate	dyracademic@unipune.ac.in	020-25691233 9371005807
2	Dr Pravin Digambar Choudhari, Progresive Education Society's Modrn College of Pharmacy, Sector No.21, Yamunanagar, Nigdi, Pune - 411044	Principal	pdchaudhari@rediffmail.com	020-27661314 9850179873
3	Dr E B Khedkar Dr D Y Patil School of Management, Lohagaon	Director	dyracademic@unipune.ac.in	020-25691233 9822621000

Place: Pune
Date: 20 April 2022

(Authorized Signature)
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Principal, AISSMSIOIT, Pune-

	Pune			
4	Dr Milind Vasant Telang Sinhgad Technical Education Society's Sinhgad College of Architecture, Vadgaon Bk, Sinhgad Raod, Tal-Haveli, Dist-Pune	Principal	scoa@sinhgad.edu	020-24351439 9822679588
5	Dr Dattatraya Shankar Bormane JSPM's Rajashree Shahu College of Engineering, Thathawade, Pune	Principal	bdattatraya@yahoo.com	020-22933424 9850282286

5.12 Establishment of Internal Complaint Committee (ICC)

Sr No	Name and address of the member	Designation	e-mail	Contact number
1	Dr(Mrs) H.D.Shinde	**Coordinator**	hemangi.shinde@aissmsioit.org	9822956263
2	Mr. S.V.Arlikar	Member	sriniwas.arlikar@aissmsioit.org	9763178789
3	Mrs. V.V.Kale	Member	vandana.kale@aissmsioit.org	9822623780
4	Mrs. Shobha Nikam	Member	shobha.nikam@aissmsioit.org	9860709687
5	Mr. Suraj Wadke	Member	suraj.wadke@aissmsioit.org	
6	Mrs. S.S. Ingale	Member	suchitra.ingale@aissmsioit.org	8149203869

5.13 Establishment of Committee for SC/ST

Sr No	Name and address of the member	Designation	e-mail	Contact number
1	Mr. P.S. Sadaphule	Coordinator	prashant.sadaphule@aissmsioit.org	7588684770
2	Ms. P.P.Mahale,	Member	pragati.mahale@aissmsioit.org	9405371647
3	Mr. V.S. Kamble	Member	vijay.kamble@aissmsioit.org	9158165918
4	Ms. A.A. Randive	Member	archana.randive@aissmsioit.org	9850830634
5	Ms. G.S. Khadtare	Member	geetanjali.khadtare@aissmsioit.org	8805956523

5.14 Internal Quality Assurance Cell

Sr No	Category	Name and address of the member	Designation	e-mail	Contact number
1	Chairperson	Dr P.B.Mane	Head of the Institution	principal@aissmsioit.org	9420918444
2	Dean IQAC	Dr. M.S.Vanjale	Dean	mausami.vanjale@aissmsioit.org	9423872768
3	Members	Mr S P Shinde	Joint Secretary, AISSMSociety	honjtsecretary@gmail.com	9422036902
		Mr.P.R.Brahme	Member,AISSMS	prashantbrahme@hotmail.com	9890400313
		Mr. N.A. Khanse	Member, Managing Committee	nikhilkhanse@gmail.com	9822031134
		Mr. A.J.Mate	Office Superintendent	ajay.mate@aissmsioit.org	9881597576
		Mr. S.V. Shelar	AP in Electrical	sachin.shelar@aissmsioit.org	9422088840
		Mrs. Saba Shaikh	AP in Electrical	saba.shaikh@aissmsioit.org	9881667867
		Mr.P.B.Wakhare	AP in IT	prashant.wakhare@aissmsioit.org	9673470986
		All HoDs			

Place: Pune
Date: 20 April 2022

INSTITUTE OF INFORMATION TECHNOLOGY AISSMS PUNE UoP Id. No. PUPN/Engg 124/1998

(Authorized Signature)
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01	Name of the Department	**Computer Engineering**		
	Course	Computer Engineering		
	Level	UG		
	1st Year of approval by the Council	1999		
		2019-2020	2020-2021	2021-22
	Year wise Sanctioned Intake	120	120	120
	Year wise Actual Admissions	136	140	136
	Cut off marks – General quota	Min.Marks= 94.02 Max Marks = 96.52	Min.Marks= 84.55 Max Marks = 96.57	Min.Marks= 89.85 Max Marks = 95.37
	% Students passed with Distinction	BE-76.34	BE-71.32	--
	% Students passed with First Class	BE-19.8	BE-21.32	--
	Students Placed	101	123	111
	Minimum Salary	1.2 Lacs	1.8 Lacs	2.25lacs
	Maximum Salary	12 Lacs	13.5 Lacs	12.64 lacs
	Average pay package, Rs./Year	4 Lacs	4.50 Lacs	4.70 lacs
	Students opted for Higher Studies	9	04	--
	Accreditation Status of the course	Accredited with NAAC (A+) andAccredited with NBA		
	SPPU Affiliation Status	Permanent		
	Doctoral Courses	No		
	Foreign Collaborations, if any	No		
	Professional Society Memberships	CSI,ISTE,FSAI,IEEE		
	Professional activities	1."Technical Project Competition" organized under T.E.S.L.A on 25/11/2021. 2.FDP on "Computational Statistics and big data analytics using python" 7/3/2022 to 11/3/2022. 3.Hackthon. 4.Workshop on ML & DL. 5. Workshop on "Chatbot development using custom dataset and deep learning". 6. Workshop on "Python core programming Hands on implementation". 7. Workshop on "Redesign your Life- Be Ready for Corporate		

Place: Pune
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		Experience, Exploring Personality development Skills". 8. Workshop on "Automation Testing Tool: Selenium,Jmeter". 9. Workshop on "Django Rest Framework for secure & maintainable web site". 10. Workshop on "Mini Project Development using machine learning techniques".
	Consultancy activities	Yes
	Grants fetched	-
	Department Achievements	Best Department award in 20-21

02	Name of the Department	**Electrical Engineering**		
	Course	Electrical Engineering		
	Level	UG		
	1st Year of approval by the Council	1999		
		2019-2020	2020-2021	2021-2022
	Year wise Sanctioned Intake	60	60	60
	Year wise Actual Admissions	46	51	56
	Cut off marks – General quota	Min Marks = 33.27 Max Marks = 74.12	Min Marks =35.00 Max Marks =93.87	Min Marks =62 MaxMarks =95.33
	% Students passed with Distinction	31.88	36.23	--
	% Students passed with First Class	31.88	33.33	--
	Students Placed	38	28	27
	Maximum pay package, Rs./Year	Rs.10,00,000	Rs. 6,50,000	Rs. 6,75,000
	Minimum pay package, Rs./Year	Rs. 1,80,000	Rs. 2,20,000	Rs. 3,36,000
	Average pay package, Rs./Year	Rs.4,00,000	Rs.3,00,000	Rs.3,00,000
	Students opted for Higher Studies	00	01	--
	Accreditation Status of the course	Accredited with NAAC (A+) and Accredited with NBA		
	SPPU Affiliation Status	Permanent		
	Doctoral Courses	No.		
	Foreign Collaborations, if any	No		
	Professional Society Memberships	IEEE,ISTE,ISLE,IEI ,IAENG		
	Professional activities	Virtual Visit, Guest Lecture, Mock Interview, Workshop, GD, Competitions, Hand on Training on PLC and SCADA .		
	Consultancy activities	1) Consultancy given by Mr. S. V. Shelar for NAAC at Phaltan college of engineering ,SIT , Lonavala and VIIT , Pune . 2) PQ audit at various industries such as BASF Mumbai, ZF Steering Ltd Pune, ITC Ltd. Pune, Fiotex Cotspinn Pvt Ltd Rakot (Gujarat), Nagareeka and Hutatma Spinning Mills,		

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		Kolhapur 3) Consultancy worth Rs 3,92,860 carried out by PQ Cell of department .Done PQ audit for 31 industries 4) Consultancy provided by PQ Cell to Messung Systems, VIT College, Reflexis systems India Pvt Ltd, Subodhan Engineers Pvt Ltd , Shubhshree Enterprises, SAS Powertech Pvt Ltd ,Sapcksh Technologies Pvt Ltd , 400KVJejuri Substation , 132 KV Markal Suubstation 5) Power quality Measurement and Analysis done for 132 KV Markal Suubstation 6) KVAH billing analysis done for 400KVJejuri Substation and 400KV Lonikand substation
	Grants fetched	1. Rs 1,00,554 Workshop on **Applications of Power Electronics in Power System** from SPPU 2. Rs 2lakhs for project Robust control of electro hydraulic System using SMC to Mrs A. D. Shiralkar from SPPU 3. Rs 60303.00 for Attending International Conf. At China to Mrs A. D. Shiralkar from SPPU 4. Rs 1,21,326 for National Level Workshop on Power Electronics Applications and control of E Vehicle and drives from SPPU 5. Rs 1,80,000 for IEEE Humanitarian Activities Committee (HAC)- Affordable Agriculture Technology Lab from IEEE Pune Section 6. Rs 5,000 for IEEE events from IEEE Pune Section 7. Rs 1,00,000/- to Mr. S. V. Shelar,Financial assistance for Purchase of Lab and Educational Equipment from SPPU, Pune 8. Rs 25,00,000 lakh grant received by Mr. S. V. Shelar form Mrs . Mira Tagare for Development of PQ Experience Center 9. Mr. S. V. Shelar received grant of Rs 12 lakh from AICTE , New Delhi for modernization of Power Quality lab to train students , faculties and industry personnel .to provide help in agriculture sector in PQ and motor performance area
	Departmental Achievements	1) Blood Donation Trophy for Maximum Numberofdonors at the blood donation camp organized by NSS 2) Mr. S. V. Shelar - IEEE PES High performing Award 3) Mr. S. V. Shelar received appreciation for notable services and contributions towards advancement of IEEE and the engineering profession for his tenure as Chair , PES1/ IAS4, Society Chapter , Pune Section from IEEEEstablishment of Power Quality and Energy Audit Cell

Place: Pune
Date: 20 April 2022

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		4) Mrs.A.D.Shiralkar received IEEE -Student Branch Counselor of the year 2018 5) Mr. S. V. Shelar receivedPBA Performance award (2nd Rank) 6) Mr. S. M. Chaudhari receivedPBA Performance award (3nd Rank) 7) Mrs. K. S. Gadgilreceived an "Elite" Certification for successfully completing 4 week online course of "Outcome based pedagogic principles for effective teaching " organized by NPTEL online course- IIT Kharagpur 8) Mrs. S. M. Shaikhreceived an "Elite" Certification for successfully completing 8 week online course of "Introduction to Smart Grid" organized by NPTEL online course- IIT Roorkee. 9) Mr. S. V. Shelar received **1st rank in** PBA Performance award 10) Dr.A.D.Shiralkar received Best counselor of the year 2018 and 2021 by IEEE Pune Section, 11) Dr.A.D.Shiralkar received State level Vishesh Sevashri Pararskar 2021(Education Sector) by Business Express Shree Foundation, Sangli . 12) Dr.A.D.Shiralkar received Certificate of Appreciation - Mentor for IEEE YESIST 2020

03	Name of the Department	**Instrumentation Engineering**		
	Course	Instrumentation Engineering		
	Level	UG		
	1st Year of approval by the Council	1999		
		2019-2020	2020-2021	2021-2022
	Year wise Sanctioned Intake	60	60	60
	Year wise Actual Admissions	43	15	25
	Cut off marks – General quota	Min. Marks =8.15 Max Marks = 85.21	Min. Marks = 20.21 Max Marks = 78.39	Min. Marks = 10.2 Max Marks = 74.35
	% Students passed with Distinction	29.31	28.85	-
	% Students passed with First Class	41.38	50.00	-
	Students Placed	27	21	16
	Minimum Salary	1.56 Lacs	1.90 C	1.95 LPA
	Maximum Salary	10 Lacs	4.8LPA	5.8 LPA
	Average pay package, Rs./Year	4 Lacs	2.75 LPA	3.87 LPA
	Students opted for Higher Studies	02	2	-

Place: Pune
Date: 20 April 2022

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	Accreditation Status of the course	Accredited with NAAC (A+) and Accredited with NBA
	SPPU Affiliation Status	Permanent
	Doctoral Courses	No
	Foreign Collaborations, if any	No
	Professional Society Memberships	FSAI,ISA, ISOI,ISTE,IETE,IEEE
	Professional activities	• Tech talk on topic "Data Integrity" on 21/07/2018 conducted by Mr. Keadr Kulkarni, organized by ISA Pune Section. • Seminar on 'Product Development Process' by Mr. Vinod Joshi, Marketing Head, Forbes Marshall , Pune on date 17/7/2018 for TE & BE Students • Visit to Forbes Marshall Chakan Pune, on date 13/02/2019 • Seminar on "Recent Trends in Instrumentation Engineering - Industrial Internet of Things" for SE TE BE Students on date 27/02/2019 conducted by Mr.Sandeep Shroff • Tech Talk on 'Advanced features in Modern Distributed Control Systems' with focus on Industry 4.0 for Intelligent manufacturing and Intelligent plant total solutions delivered by Mr. Manish Saxena & Team, of SUPINCO AUTOMATION PVT. LTD, Bangalore under ISA Pune section on 20/07/2019 • Expert lecture on "Industry 4.0" by Mr. Vinod Joshi, Marketing Head Forbes Marshall, Pune SE TE BE Instrumentation Engineering students on dated 26/08/2019 • Intercollegiate 'Technical poster presentation event' at Pune level organized on 11/02/2020 • Tech Talk on 'Machine Vision and Its Industrial Applications' conducted by Mr. Vikas Anwekar, Product Manager – Vision Technology, Baumer India Pvt. on 28/02/2020 • Tech Talk on 'Voluntary Leadership' delivered by Mr. Ramani Iyer, Sr. Life member ISA, Past DVP of D-14 on 07/03/2020, on Annual General Meeting (AGM) of ISA Pune Section • Webinar on "Civil Service Examination: Information and Approach needed" was conducted by Prajakta Thakur, Deputy Commissioner of Income Tax, Kolhapur on 06/06/2020. • Webinar on "Job opportunities in Instrumentation Engineering and Higher Studies in the U.S." was conducted by Mr. Rohit Gholc, Business Intelligence
	Consultancy activities	No

Place: Pune
Date: 20 April 2022

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Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

	Grants fetched	• Grant of Rs. 1,00,000.00 received for work 'Biomedical Image Indexing and retrieval' from BCUD, Pune. • AICTE MODROB Grant of Rs. 6,59,000.00 received for 'Biomedical Instrumentation lab' in AY 2018-19 • AICTE MODROB Grant of Rs. 12,00,000/- received for 'Biomedical Instrumentation lab' in AY 2019-20 • Grant of amount Rs. 20,400/- received for FDP on 'Automated Manufacturing Systems (ICT06)' from NITTTR NME-ICT in AY 2019-20 • Grant of Rs. 3,00,000/- received from ASPIRE SPPU Pune, for work 'Design and implementation of Compact UWB Antenna with dual band notched characteristics for MIMO system' in AY 2019-20
	Departmental Achievements	• Lat. C- Verman IETE National award to Mr. H.P.Chaudhari • • Project Paper presentation 1st award at Cummins College Organized by ISA, • Project Competition 3rd prize at VIT College organized by ISA, • T.E Students Omkar Joshi & Jaydeep Joshi Scored 79 % in NPTEL certification course "Electronic Wast Management Issues & Challenges Workshop, Expert Lectures • Shruti kharde won 2nd Prize ,Poster making competition,IEEE,AISSMS IOIT • Rajas Sangmnerkar, won 1st prize ,Robustus-Roboraces-1C,Mindspark 18, COEP • Ranveer singh won 2nd prize Poster making competition,IEEE,AISSMS IOIT • Abhishek Ambetkar won 3rd prize Poster making competition,IEEE,AISSMS IOIT • Somesh Thombare won 1st prize Mindspark 19 Makeathon • Ranveer Singh scores 48th Rank in GATE 2020 exam • Shivanshu Patil, TE Instru secured the 2nd position at 'Engagement Extras' competition at "ISA IIOT & Smart Manufacturing Virtual Conference 2020" and won a gift card worth US $50 from ISA held in October 2020. • Shubham Pawar, Shubham Sakunde, Lokesh Supalkar

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

		secured 1 st runner up position position in "IIoT conference" organized by Cummins college of engineering, Pune on 19/01/2019 in association with ISA student section • Swati Bhat, Abhishek Ambetkar, Pratik Rokhonde secured II runner up in state level project competition held by VIT, Pune in association with ISA student section • Aditya Baradkar received a travel grant of 300$ from IEEE R10 Industrial Forum for attending Humanitarian Technology Conference (HTC) at Depok, Indonesia on 12/11/2019. • Aditya Baradkar received the best volunteer award from IEEE Pune Section on 10/01/2020. • Aditya Baradkar was awarded with best paper of the session at IEEE International Conference on Emerging Smart Computing and Informatics 2020 on 14/03/2020, organized by AISSMS's IOIT for the paper Urban Farming Using Supercaps. • Swati Bhat, Abhishek Ambetkar, Pratik Rokhonde secured III position poster making competition organized by AISSMS's IOIT IEEE student branch, Pune on 04/09/18

04	Name of the Department	**Electronics & Tele-communication**		
	Course	Electronics & Tele-communication Engineering		
	Level	UG		
	1st Year of approval by the Council	2008-2009		
		2019-2020	2020-2021	2021-2022
	Year wise Sanctioned Intake	180 + 60	60+60	120
	Year wise Actual Admissions	142 + 46	74+60	134
	Cut off marks – General quota	Min. Marks =55.64 Max Marks = 88.93	Min. Marks =33.33 Max Marks = 89.39	Min. Marks =5.44 Max Marks = 93.14
	% Students passed with Distinction	23.28	19.27	--
	% Students passed with First Class	50.26	43.75	--
	Students Placed	144	133	160
	Average pay package, Rs./Year	3 Lacs	3 Lac/Annum	4.0 Lac./Year
	Maximum pay package, Rs./Year	8Lacs	8Lac/ Annum	6.75 Lac /Year
	Minimum pay package, Rs./Year	2.5 Lacs	1.2 Lac / Annum	3.36Lac ./Year
	Students opted for Higher	04	05	--

Place: Pune
Date: 20 April 2022

INSTITUTE OF INFORMATION TECHNOLOGY * AISSMS * PUNE * UoP Id. No. PUIPN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

	Studies	
	Accreditation Status of the course	Accredited with NAAC (A+) and Accredited with NBA
	SPPU Affiliation Status	Permanent
	Doctoral Courses	Yes
	Foreign Collaborations, if any	Nil
	Professional Society Memberships	ISTE, IETE, IEEE
	Professional activities	Workshop, Expert Lectures, Guest Lectures, Project competition, Foundation day of IETE, Women's day celebration etc
	Consultancy activities	Nil
	Grants fetched	• Received Rs. 100000 from GYTI in 2016-17 for Brain Monitoring for Healthy Living • Received Rs.190000 from BCUD – SPPU fir Auditory Speech Enhancement 2018-19 • Received Rs.160000 from BCUD – SPPU for Early Diagnosis of Alzheimer Disease using EEG Signals in 2017-18 • Received Rs.150000 from SPPU under Aspire research Mentorship Program 2019-20
	Departmental Achievements	• Neha Nilajkar(E&TC) Secured 8th rank in University merit List TE 2015 May 2020 • Dr H D Shinde successfully completing her Ph.D. Degree in Auditory based speech enhancement for hearing impaired guidance Dr. V.S Vyas College Of Engineering Pune • Dr.M S Vanjale successfully completing her Ph.D. Degree in Enhancing energy Efficient of nodes for extending lifetime of Mobile Ad hoc networks • Mrs. V K Patil received Best paper award in the fourth IEEE PuneCon 2021 organized by IEEE Pune Section and MIT Art, Design and Technology University, Pune in hybrid mode. Track AIOT: Paper ID 129 Emotion Linked AIoT based cognitive home automation system with sensovisual method • Mrs. V K PatilreceivedThe certificate of appreciation for valuable contribution as Technical program committee member and Reviewer for Springer International Conference ICAAAIML held at Shradha University, Greater Noida, Uttar Pradesh, India. • Mrs. M S Koban received Bharath Education Excellence

Place: Pune
Date: 20 April 2022

INSTITUTE OF INFORMATION TECHNOLOGY AISSMS PUNE UoP Id. No. PU/PN/Engg 124/1993

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

		Awards 2021, Utthama Aadhyapika award scheduled on 5th Sep '21, Company Name: Brainovision solutions(India) Pvt.Ltd, Hyderabad • Mr.Vikas Desai received consecutive 10th Gold Medal at 48th Maharashtra state senior judo championship 2021-22 • Mr.Vikas Desai Gold Medal at Dr. Jigoro Kano Championship 2019 held at Mumbai. • Dr S B Dhonde receivedPimpari Chinchwad Municipal Corporation Awarded on 15th August 2021 for the social (Corona warriors) work during COVID Pandemic • Dr S B Dhonde received Constitution awareness committee, Pune Awarded on 10th Dec 2021 2021 for the social work(Corona warriors) during COVID Pandemic • Dr S B Dhonde received Shri Guru Datta Mandir trust and Hon MLA Laxman Jagtap mitramadal Awarded on 12th Dec 2021 for the social work(Corona warriors) during COVID Pandemic • Ms. Shobha Nikam received Best Young Researcher National Award by IRDP for the outstanding excellence and remarkable achievements in the field of teaching, research and publications on 24thAugust 2019. • Mrs. V K Patilreceived TIPHonor of Excellence: Inspiring Educators Award 2021 . • Dr D.K. Shedge worked as Session chair for IEEE International Conference. • Dr V K Bairagi received following awards: o S P Pune University Best Innovative Teaching Award Academic year 2020-2021. o The Institution of Electronics and Telecommunication Engineers (IETE) – M N SAHA Memorial Award-2018 o Indian Society for Technical Education (ISTE)-SGSITS Young Researcher Award winner 2015. o Institute of Engineers India (IEI) Young Engineer Award winner 2014. • Mr V N Ghodkereceived following awards: o Best Teacher Award by Lokmangal Bank Solapur Branch Pune2017-18

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998 1

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

		○ Award for Excellent Coordination during state level Olympiad on Project Management by Tech Trainers and Testers Pune 2016-17 ○ BCUD, SPPU research grant, "Diagnosis for Alzheimer disease". (Rs 1.6 lakh- 2016-18) ○ Promising Award for Training & Placement Activities- GTT Excellence Awards -2020 by Global Talent Track ○ Certificate of Achievements- for Professional developments, Skill developments and career guidance for students By Career labs 2020 ○ Letter of Appreciation-For field of placements ,Skill developments and Employability Enhancement by Global Talent Track ○ Certificate of Appreciation for unwavering support and unprecedented excellence in managing and organizing GATE Connect Event by Vidyalankar Classes and Publications Mumbai on 13.07.2019 ○ Certificate of Appreciation in acknowledgement of the outstanding professional skill leadership and ceaseless efforts exhibited resulting in major contributions to the effectiveness and success of the Barclay's Connect with work training program by Rubicon March 2021 ○ Appreciated by AISSMS-IOIT with Award for 100 % Result in Television and Video Engineering subject for Academic Year 2012-13, 2013-14 and 2014-15 • Mr.S.R.Kokan,Mr.C.K.Bhange,Mr.S.B.Dhonde,Mr.G.H.Wani Mrs.H.B.Magar,Mrs.A.S.Ubale,MS.S.O.Ahire,Mrs.S.S.Nikam Mrs. VinitaPhilip, Mrs.S.V.Lohar,Mrs.M.R.Wanjare were Participated in Making New Guinness Book of world record.

05	Name of the Department	**Information Technology**		
	Course	Information Technology		
	Level	UG		
	1st Year of approval by the Council	2008-2009		
		2019-2020	2020-2021	2021-2022
	Year wise Sanctioned Intake	60	60	60
	Year wise Actual Admissions	72	69	FE=68 DSE=08

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

				Total 76
	Cut off marks – General quota	Min. Marks = 93.05 Max Marks = 98.14	Min. Marks= 64.99 Max.Marks=94.48	Min. Marks= 67.75 Max.Marks=95.19
	% Students passed with Distinction	48.48	33.33	--
	% Students passed with First Class	39.39	52.38	--
	Students Placed	68	69	62
	Average pay package, Rs./Year	3 Lacs	3.9 Lacs	5.03 Lacs
	Maximum pay package, Rs./Year	8 Lacs	9 Lacs	8.6 Lacs
	Minimum pay package, Rs./Year	2.5 Lacs	2.4 Lacs	3.0 Lacs
	Students opted for Higher Studies	02	03	--
	Accreditation Status of the course	Accredited with NAAC (A+) and Accredited with NBA		
	SPPU Affiliation Status	Permanent		
	Doctoral Courses	No		
	Foreign Collaborations, if any	No		
	Professional Society Memberships	Computer Society of India (CSI), Indian Society For Technical Education (ISTE), Association for Computing Machinery (ACM), Institute of Electrical and Electronics Engineers (IEEE)		
	Professional activities (AY: 2020-21)	AY 2020-21 Workshop – 10 AY 2021-22 workshop=7 AY 2020-21 Expert Lecture = 27 AY 2021-22 Expert Lecture=14		
	Consultancy activities	NIL		
	Grants fetched	NIL		
	Departmental Achievements	Received Best Department Award on 2017-18 and 2018-19 at institute Level Mr. Riyaj Jamadar awarded with Research Ratna Award of year 2019 by IJRULA (International Journal of Research Under Literal Access) Mr. Prashant Wakhare won Best Paper Award in year 2020 by 2nd IEEE International Conference on Emerging Smart Computing and Informatics. Dr. Meenakshi Thalor won Best Paper Award in year 2021 by 4th International Conference on "Ideas, Innovations, Impact in Science and Technology (ICIIIST 2021).		

06	Name of the Department	**Artificial Intelligence and Data Science**		
	Course	Artificial Intelligence and Data Science		
	Level	UG		
	1st Year of approval by the Council	2020-21		
		2019-2020	2020-2021	2021-2022
	Year wise Sanctioned Intake	--	120	120
	Year wise Actual Admissions	--	136	137
	Cut off marks – General quota	--	Min. Marks= 56.68 Max.Marks=96.40	Min. Marks= 12.70 Max.Marks= 95.74

Place: Pune
Date: 20 April 2022

INSTITUTE OF INFORMATION TECHNOLOGY * AISSMS * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

	% Students passed with Distinction	--	--	--
	% Students passed with First Class	--	--	--
	Student s Placed	--	--	--
	Average pay package, Rs./Year	--	--	--
	Maximum pay package, Rs./Year	--	--	--
	Minimum pay package, Rs./Year	--	--	--
	Students opted for Higher Studies	--	--	--
	Accreditation Status of the course	Accredited with NAAC (A+) and Accredited with NBA		
	SPPU Affiliation Status	Yearly		
	Doctoral Courses	No		
	Foreign Collaborations, if any	No		
	Professional Society Memberships	--	ISTE,IEEE	IEEE
	Professional activities (AY: 2020-21)	NIL		
	Consultancy activities	NIL		
	Grants fetched	NIL		
	Departmental Achievements	Blood Donation Camp- Rolling trophy		

(7) Faculty:

Sr.No	Name of Faculty	Designation	Experience
1	Dr. Pradeep Bajrang Mane	Principal	28
2	Dr. Sarika Nitin Zaware	Associate Professor in Computer Engineering	21
3	Dr.Kishor Sadashiv Wagh	Associate Professor in Computer Engineering	27
4	Ms.Shilpa Purushottam Pimpalkar	Assistant Professor in Computer Engineering	19
5	Ms. Minal Abhijeet Zope	Assistant Professor in Computer Engineering	19
6	Mrs.Minal Prashant Nerkar	Assistant Professor in Computer Engineering	19
7	Ms.Prajwal Sopan Gaikwad	Assistant Professor in Computer Engineering	19
8	Mr.Girish Jaysing Navale	Assistant Professor in Computer Engineering	14
9	Ms. Neha Sangram Patil	Assistant Professor in Computer Engineering	14
10	Mr.Prashant Shivling Sadaphule	Assistant Professor in Computer Engineering	14

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

11	Ms.Archana Ganesh Said	Assistant Professor in Computer Engineering	16
12	Mr.Chetan Nimba Aher	Assistant Professor in Computer Engineering	8
13	Ms.Veena Suhas Bhende	Assistant Professor in Computer Engineering	6
14	Ms.Amrapali Shivaji Chavan	Assistant Professor in Computer Engineering	8.5
15	Ms. Pradnya Dattatraya Bormane	Assistant Professor in Computer Engineering	7
16	Ms. Pradnya Nilesh Gulhane	Assistant Professor in Computer Engineering	9.2
17	Ms. Anuradha Shivajirao Varal	Assistant Professor in Computer Engineering	3
18	Ms. Pallvi Mohan Bhujbal	Assistant Professor in Computer Engineering	5
19	Dr.Suresh Vishnudas Limkar	Associate Professor in AI&DS Engineering	15
20	Dr.Rakesh Bapu Dhumale	Associate Professor in AI&DS Engineering	13
21	Ms. Divyarani Pandurang Babar	Assistant Professor in AI&DS Engineering	3
22	Ms,Priyanka Satish Shahane	Assistant Professor in AI&DS Engineering	1
23	Ms. Pooja Pandit Khandebharad	Assistant Professor in AI&DS Engineering	2
24	Dr. Meenakshi Anurag Thalor	Associate Professor in IT Engineering	15
25	Mr. Pritesh Kumar Patil	Assistant Professor in IT Engineering	18
26	Mr. Riyazahemed Abdulgani Jamadar	Assistant Professor in IT Engineering	21
27	Ms.Pragati Prashant Mahale	Assistant Professor in IT Engineering	13
28	Ms.Anuja Sandeep Phapale	Assistant Professor in IT Engineering	17.5
29	Ms.Jayashree Chandrakant Pasalkar	Assistant Professor in IT Engineering	13
30	Ms.Reshma Yogesh Totare	Assistant Professor in IT Engineering	14.5
31	Mr.Prashant Balasaheb Wakhare	Assistant Professor in IT Engineering (FE)	6.7
32	Mrs.Mrunal Kishor Phatak	Assistant Professor in IT Engineering	11.5

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

33	Ms.Madhuri Bhagwanta Thorat	Assistant Professor in IT Engineering	4
34	Ms. Vrushali Rajesh Dhanokar	Assistant Professor in IT Engineering	1
35	Mr.Vikas Sitaram Katakdound	Assistant Professor in IT Engineering	13
36	Dr. Dnyandeo Krishna Shedge	Professor in E&TC Engineering	33
37	Dr.Vinayak Kachardas Bairagi	Professor In E&TC Engineering	16
38	Dr.Somnath Babarao Dhonde	Associate Professor in E&TC Engineering	16
39	Dr.Mohini Pramod Sardey	Associate Professor in E&TC Engineering	28
40	Mr.Pandurang Abhimanyu Patil	Assistant Professor in E&TC Engineering	34
41	Dr.Mousami Sandeep Vanjale	Assistant Professor in E&TC Engineering	18
42	Dr. Hemangi Deepak Shinde	Assistant Professor in E&TC Engineering	21
43	Mr.Venkat Namdeo Ghodake	Assistant Professor in E&TC Engineering	23
44	Mr.Milind Pralhad Gajare	Assistant Professor in E&TC Engineering	15
45	Mr.Devendra Anant Itole	Assistant Professor in E&TC Engineering	13
46	Mr.Santoshkumar Harishandra Lavate	Assistant Professor in E&TC Engineering	13
47	Ms. Shobha Sachin Nikam	Assistant Professor in E&TC Engineering	13.5
48	Ms. Mamata Sanjay Koban	Assistant Professor in E&TC Engineering	12
49	Ms.Varsha Kiran Patil	Assistant Professor in E&TC Engineering	20
50	Mr. Sagar Babanrao Pokharkar	Assistant Professor in E&TC Engineering	14
51	Mr.Sachin Ratnakar Kokane	Assistant Professor in E&TC Engineering	11
52	Ms.Vineeeta Philip	Assistant Professor in E&TC Engineering	15
53	Ms. Archana Amol Randive	Assistant Professor in E&TC Engineering	9
54	Mr. Rahul Namdeo Jadhav	Assistant Professor in E&TC Engineering	7.5
55	Ms.Supriya Vikas Lohar	Assistant Professor in E&TC Engineering	16

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

56	Ms. Dipali Mahendra Yewale	Assistant Professor in E&TC Engineering	18
57	Mr. Chandrakant Khewaji Bhange	Assistant Professor in E&TC Engineering	12.5
58	Ms.Archana Santosh Ubale	Assistant Professor in E&TC Engineering	16
59	Ms.Harshada Bhushan Magar	Assistant Professor in E&TC Engineering	13
60	Ms.Sandhya Omkar Ahire	Assistant Professor in E&TC Engineering	15
61	Ms.Shobhika Pankaj Gopnarayan	Assistant Professor in E&TC Engineering	13
62	Mr.Vikas Janardan Desai	Assistant Professor in E&TC Engineering	10.5
63	Mr.Sugat Ramrao Pawar	Assistant Professor in E&TC Engineering	12
64	Ms.Nilima Satish Warade	Assistant Professor in E&TC Engineering	11
65	Ms.Geeta Dhananjay Salunke	Assistant Professor in E&TC Engineering	24.6
66	Mr. Amol Avinash Chaudhari	Assistant Professor in E&TC Engineering	5
67	Dr.Sarika Amitraj Panwar	Assistant Professor in E&TC Engineering	9
68	Ms.Sagar Dhondiram Bhopale	Assistant Professor in E&TC Engineering	11.5
69	Mr.Jagtap Sagar Satyawan	Assistant Professor in E&TC Engineering	10
70	Mrs. Shahinaj Faijulal Mulla	Assistant Professor in E&TC Engineering	5
71	Dr.Shashikant Madukar Bakre	Associate Professor Electrical Engineering	4
72	Dr. Ashapana Dilavar Shiralkar	Associate Professor Electrical Engineering	20
73	Mr. Sachin Vitthal Shelar	Assistant Professor in Electrical Engineering	21
74	Mr.Sandeep Motilal Chaudhari	Assistant Professor in Electrical Engineering	21
75	Ms. Krutuja Shikrishna Gadgil	Assistant Professor in Electrical Engineering	19
76	Mr.Saurabh Sumant Shingare	Assistant Professor in Electrical Engineering (FE)	18

Place: Pune
Date: 20 April 2022

INSTITUTE OF INFORMATION TECHNOLOGY A/SSMS PUNE UoP Id. No PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

77	Ms. Shubhangi Sudhir Landge	Assistant Professor in Electrical Engineering	17
78	Mr.Vijaykumar Shankar Kamble	Assistant Professor in Electrical Engineering	23
79	Ms. Saba Kausar Mubeenahhed Shaikh	Assistant Professor in Electrical Engineering	14
80	Ms.Vaishali Prahladrao Kuralkar (Yewale)	Assistant Professor in Electrical Engineering	13
81	Mr. Prashant Prakash Mahajan	Assistant Professor in Electrical Engineering	18
82	Ms.Sujata Nilesh Pownikar	Assistant Professor in Electrical Engineering	8.5
83	Mr.Sandeep Dnyanu Raste	Assistant Professor in Electrical Engineering (FE)	8
84	Dr.Dipali Rohit Shende	Associate Professor in Instrumentation Engineering	15
85	Dr. Amita Anirudha Shinde	Assistant Professor in Instrumentation Engineering	14
86	Dr.Vandana Vishwanathrao Kale	Assistant Professor in Instrumentation Engineering	12
87	Mr.Hemant Pandurang Chaudhari	Assistant Professor in Instrumentation Engineering	23
88	Ms.Sheetal Vijay Kulkarni	Assistant Professor in Instrumentation Engineering	12.5
89	Mr.Jitenra Anand Khubani	Assistant Professor in Instrumentation Engineering (TPO)	5.4
90	Dr.Badri Naryan Mohapatra	Assistant Professor in Instrumentation Engineering	15
91	Mr. Shashikant Rangnathrao Kale	Assistant Professor in Instrumentation Engineering	7
92	Ms.Chitralekha Deepak Rananware	Assistant Professor in Instrumentation Engineering	1
93	Dr. Yogesh Pralhadrao Patil	Associate Professor in Chemistry	22
94	Dr.Nidhi Sharma	Assistant Professor in Chemistry	16
95	Mr.Prashant Gopal Mahajan	Assistant Professor in Chemistry	7.6
96	Mr. Shriniwas Vasantrao Arlikar	Assistant Professor in Physics	28
97	Dr.Pramod Ganesh Musrif(Joshi)	Assistant Professor in Physics	14
98	Dr.Amol Ravindrarao Deshmukh	Assistant Professor in Physics	1
99	Ms. Gayatri Nitin Mavale(Purnaye)	Assistant Professor in Civil Engineering	14

Place: Pune
Date: 20 April 2022

INSTITUTE OF INFORMATION TECHNOLOGY * AISSMS * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

100	Ms. Atiya Nasir Khan Pathan	Assistant Professor in Civil Engineering	14
101	Mr.Amit Haresh Raheja	Assistant Professor in Civil Engineering	8.5
102	Ms. Anjali Vishal Diwalkar	Assistant Professor in Civil Engineering	3.5
103	Mr. Pradeep Shriram Rathod	Assistant Professor in Mechanical Engineering	12
104	Mr.Amol Jagannath More	Assistant Professor in Mechanical Engineering	12
105	Mr.Shivaji Sitaram Gadadhe	Assistant Professor in Mechanical Engineering	11.1
106	Mr.Nitin Prakashrao Bhone	Assistant Professor in Mechanical Engineering	14
107	Mr. Dhananjay Dattatray Pise	Assistant Professor in Mechanical Engineering	6.5
108	Mr.Asish Shankarrao Apate	Assistant Professor in Mechanical Engineering	5
109	Dr. Naseem Khayam	Assistant Professor in Mechanical Engineering	5
110	Mr. Mahesh Balasaheb Nigade	Assistant Workshop Superintendent	9
111	Dr.Kshipra Ganesh Wadikar	Assistant Professor in Engineering Maths	17
112	Mr.Pandit Bandu Shinde	Assistant Professor in Mathematics	13.5
113	Mr.Pankaj Shyamnarayan Gaur	Assistant Professor in Mathematics	7.8
114	Mr.Vallabh Vijayanand Shinde	Assistant Professor in Mathematics	7
115	Mr.Dilip Shravan Shelar	Assistant Professor in Mathematics	21
116	Mr. Neeraj Devidas Gaikwad	Training and Placement Officer	22.8
117	Ms Deepali Sureshchandra Morey	Physical Director	12.2
118	MsMs Pushpa Vitthal Hirave	Librarian	10
119	Ms. Madhavi Prashant Parulekar	Librarian	13

Ratio :

Faculty : Student Ratio – 1: 20

Number of Faculty employed and left during the last three years

Sr No	Year	Number of Faculty	
		Employed	Left
1	2019- 2020	14	09
2	2020-2021	08	09
3	2021-2022	13	11

Place: Pune
Date: 20 April 2022

INSTITUTE OF INFORMATION TECHNOLOGY AISSMS PUNE UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

(8) Profile of Principal and Faculty



- Name of the Teaching Staff : Dr. Pradeep Bajrang Mane
- Designation : Principal
- Department : Electronics and Tele-Communication
- Date of Joining the Institution : 13/06/2009
- Qualifications with Class/Grade : Ph. D, ME (E&TC)- First Class
- Total Experience in Years : Teaching - 28Industry - 03 Research - 19
- Papers Published : National - 03 International – 74
- Papers Presented in Conference : National - 04 International – 55
- Ph.D Guide ? Give Field & : Field - Electronics and Tele-Communication
- University - SPPU
- PhDs / Projects Guided : PhDs - 5 Projects at Masters level – 20

Books Published/IPRs/Patents (With Details) : 8 Books
3 Patents
1 Copyright

- Professional Membership : IEEE, ISTE, IETE, CSI and ISA,IJERIA,CSI,ISSS
- Consultancy Activities :NA
- Awards : 05
- Grants Fetched :

1. The proposal submitted and presented received grant worth Rs. 45.5 lakhs from UGC under their innovative program scheme to start the Bio-Medical Engineering course in the department of Electronics BVUCOE, Pune.
2. The research proposal submitted to University of Pune received grant of Rs. 3.00 lakh for project PCI Bridge.
3. Co-investigator for ISRO sponsored project (grants of Rs. 8.70 Laks).
4. Co-investigator for BCUD sponsored project (grants of Rs. 1.80 Laks).
5. Recevied grant worth $ 4418 from the IEEE Humanitarian Activitiy Committee (HAC) & IEEE special intrest group on Humanitarian Technology (SIGHT) for the project named " UV Based Disinfection Machine"(20- COV-49)

- Interaction with Professional Institutions : Treasurer, IETE Pune Centre,
  Vice-Chair, IEEE Pune Section,
  Chair, IEEE Communication Society, Pune Section.

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Dr. Zaware Sarika N.
- Designation : Associate Professor
- Department : Computer Engineering
- Date of Joining the Institution : 06/08/2006
- Qualifications with Class/Grade : Ph.D. Computer Science and Engineering,
- Total Experience in Years : Teaching - 21Yrs Industry - Research -
- Papers Published : National - International – (Journal) 35
- Papers Presented in Conference : National - International – o4
- Ph.D Guide ? Give Field & University : Field - University -
- PhDs / Projects Guided : PhDs - Projects at Masters level –

Books Published/IPRs/Patents (With Details) :

- Professional Membership : CSI Life Member,ISTE Life Membership,IAENG Membership,IEEE membership
- Consultancy Activities : 18000/-
- Awards : 1. Best HOD award in AISSMS IOIT during 2017-18,2015-6,2012-2013
  2. Best Paper Award in IEEE Conference 2020-(ESCI) organized by AISSMS IOIT Pune
  3. Best Paper Award in IEEE Conference 2016 (ICACDOT) Organized by I2IT Pune.
- Grants Fetched : Received Research Grant of Rs.35, 000/- from BCUD
- Interaction with Professional Institutions :

(Signature)

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PUPN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Dr. Kishor Sadashiv Wagh
- Designation : Associate Professor
- Department : Computer Engineering
- Date of Joining the Institution : 05/04/2017
- Qualifications with Class/Grade : PhD in Computer Science and Engineering
  ME Computer Engineering/ First Class
  BE Computer Engineering / First Class with Distinction
- Total Experience in Years : Teaching - 27 Industry - 2 Research - -
- Papers Published : National - 1 International – 39
- Papers Presented in Conference : National - 0 International – 04
- Ph.D Guide ? Give Field & University : Field -Wire and wireless Technology University - JJTU
- PhDs / Projects Guided : PhDs - 02 Projects at Masters level – 02
- Books Published/IPRs/Patents (With Details) : 09
- Professional Membership : LM-ISTE-30572, ACM- 7052189
- Consultancy Activities : Nil
- Awards : Nil
- Grants Fetched : Nil
- Interaction with Professional Institutions : IIIT (Pune), COEP

(Signature)

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Ms. Shilpa P. Pimpalkar
- Designation : Assistant Professor
- Department : Computer Engineering
- Date of Joining the Institution : 1-08-2005
- Qualifications with Class/Grade :Ph. D. (Pursuing),ME (69 % First Class)
- Total Experience in Years : Teaching - 19 Industry - Research -
- Papers Published : National - 2 International – 4
- Papers Presented in Conference : National - 2 International – Nil
- Ph.D Guide ? Give Field & : Field - University -
- PhDs / Projects Guided : PhDs - Projects at Masters level –
- Books Published/IPRs/Patents (With Details) :
    - Author of Book "Data Mining and Analytics", Technical Publication, ISSN NO 978-93-332-1961-7
    - Patent Published :IOT based water dispensing apparatus (Application No. 202021008223) date of publication 22/05/2020
- Professional Membership : ISTE ,CSI (Life membership)
- Consultancy Activities : Worked as consultant with Upgrad education pvt. Ltd. for the design and development of the course contents 40,000/-
- Awards :
- Grants Fetched : 1,50,000/-(funded by ISRO)
- Interaction with Professional Institutions :

(Signature)

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Ms.MinalAbhijitZope
- Designation :Assistant Professor
- Department :Computer
- Date of Joining the Institution :29.7.2004
- Qualifications with Class/Grade :ME Computer, First Class
- Total Experience in Years : Teaching –19 Years Industry - Research -
- Papers Published : National - 05 International – 3
- Papers Presented in Conference : National - 02 International –
- Ph.D Guide ? Give Field & : Field - University -
- PhDs / Projects Guided : PhDs - Projects at Masters level –

Books Published/IPRs/Patents (With Details) :No

- Professional Membership : Indian Society for Technical Education and Computer Society of India
- Consultancy Activities : No
- Awards :No
- Grants Fetched :01
- Interaction with Professional Institutions :

(Signature)

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Mrs. Minal Prashant Nerkar
- Designation : Assistant Professor
- Department : Computer
- Date of Joining the Institution : 10/10/2002
- Qualifications with Class/Grade : ME(Computer) with first class
- Total Experience in Years : Teaching - 19 Industry - Nil Research - Nil
- Papers Published : National - 8 International – 1
- Papers Presented in Conference : National - 1 International – 0
- Ph.D Guide ? Give Field & : Field - NA University - NA
- PhDs / Projects Guided : PhDs - NA Projects at Masters level – NA
  Books Published/IPRs/Patents (With Details) : 01
- Professional Membership : CSI and ISTE
- Consultancy Activities : Nil
- Awards : Nil
- Grants Fetched : Nil
- Interaction with Professional Institutions : Nil

(Signature)

Place: Pune
Date: 20 April 2022

AISSM'S INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Ms.Gaikwad PrajwalSopan
- Designation : Assistant Professor
- Department : Computer Engineering
- Date of Joining the Institution : 01/08/2005
- Qualifications with Class/Grade : M.E(FIRST CLASS)
- Total Experience in Years : Teaching - 19 years Industry - Research -
- Papers Published : National - 3 International – 12
- Papers Presented in Conference : National - 1 International – 02
- Ph.DGuide ? Give Field & University : Field - University - NIL
- PhDs / Projects Guided : PhDs - Projects at Masters level – NIL

Books Published/IPRs/Patents (With Details) :NIL

- Professional Membership : CSI ,ISTE
- Consultancy Activities : NIL
- Awards :NIL
- Grants Fetched : NIL
- Interaction with Professional Institutions : NIL

(Signature)

Place: Pune
Date: 20 April 2022

INSTITUTE OF INFORMATION TECHNOLOGY * AISSMS * PUNE
UoP Id. No. PUPN/Engg 124/1998
1

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Mr Girish Jaysing Navale
- Designation : Assistant Professor
- Department : Computer Engineering
- Date of Joining the Institution : 01/10/2008
- Qualifications with Class/Grade: M.E Computer First Class
- Total Experience in Years : Teaching - 14 Industry - 2 Research -
- Papers Published : National - 5 International – 2
- Papers Presented in Conference : National - International – 2
- Ph.D Guide ? Give Field & : Field - University
- PhDs / Projects Guided : PhDs - Projects at Masters level –

Books Published/IPRs/Patents (With Details) :

- Professional Membership : CSI , ISTE
- Consultancy Activities :
- Awards : Best ORM Coordinator of AISSMS Institute, Best G.F.M
- Grants Fetched :
- Interaction with Professional Institutions :

(Signature)

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1938

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Mrs.NehaSangramPatil
- Designation : Asst.Prof
- Department : Computer Engineering
- Date of Joining the Institution : 03/09/2007
- Qualifications with Class/Grade : ME Computer Engg
- Total Experience in Years : Teaching - 14 Yrs. Industry - Research -
- Papers Published : National -06 International – 06
- Papers Presented in Conference : National -02 International –
- Ph.D Guide ? Give Field & University : Field - University -
- PhDs / Projects Guided : PhDs - Projects at Masters level –

Books Published/IPRs/Patents (With Details) :

- Professional Membership : ISTE Life membership
- Consultancy Activities :
- Awards :
- Grants Fetched :
- Interaction with Professional Institutions :

(Signature)

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff :Mr Prashnat Shivling Sadaphule
- Designation :Assistant Professor
- Department :Computer Engineering
- Date of Joining the Institution :01/10/2008
- Qualifications with Class/Grade :ME Computer (Ist Class)
- Total Experience in Years : Teaching -14 Years Industry - Research -
- Papers Published : National - 2 International – 18
- Papers Presented in Conference : National - 2 International – 01
- Ph.D Guide ? Give Field & University : Field -Nil University - Nil
- PhDs / Projects Guided : PhDs -Nil Projects at Masters level –Nil

Books Published/IPRs/Patents (With Details) :Nil

- Professional Membership :ISTE, CSI
- Consultancy Activities :Nil
- Awards :Nil
- Grants Fetched :Nil
- Interaction with Professional Institutions :Nil

(Signature)

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Mrs. Archana Ganesh Said
- Designation : Assistant Professor
- Department : Computer Engineering
- Date of Joining the Institution : 31/12/2008
- Qualifications with Class/Grade : M.E.Computer, First Class
- Total Experience in Years : Teaching - 16 Yrs Industry - Research -
- Papers Published : National - International – (Journal) 15 (Conf) 1
- Papers Presented in Conference : National - International –
- Ph.D Guide ? Give Field & University : Field - University -
- PhDs / Projects Guided : PhDs - Projects at Masters level –

Books Published/IPRs/Patents (With Details) :

- Professional Membership : ISTE Life Membership (LM 58742)
- Consultancy Activities :
- Awards :
- Grants Fetched :
- Interaction with Professional Institutions :

(Signature)

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- ❖ Name of the Teaching Staff : Mr.AherChetanNimba
- ❖ Designation : Assistant Professor
- ❖ Department : COMPUTER
- ❖ Date of Joining the Institution : 09/07/2013
- ❖ Qualifications with Class/Grade: B.E. (Computer Engg.) Distinction

M.E. (Computer Engg.) First Class

Ph. D. (Pursuing)

- ❖ Total Experience in Years : Teaching - 08 Years Industry - Nil Research - Nil
- ❖ Papers Published : National - Nil International – 09
- ❖ Papers Presented in Conference : National - 01 International – 02
- ❖ Ph.D Guide?
  Give Field & University : Field - Nil University – Nil
- ❖ PhDs / Projects Guided : PhDs - Nil Projects at Masters level – Nil

Books Published/IPRs/Patents (With Details):Nil

- ❖ Professional Membership : LM-ISTE, IAENG
- ❖ Consultancy Activities : Webex Consultancy
- ❖ Awards : Nil
- ❖ Grants Fetched : Nil
- ❖ Interaction with Professional Institutions : Nil

(Signature)

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Ms. VeenaSuhasBhende
- Designation : Assistant professor
- Department : Department of computer engineering
- Date of Joining the Institution : 12/07/2015
- Qualifications with Class/Grade :M.tech (First class with distinction
- Total Experience in Years : Teaching – 6 Industry - Research -
- Papers Published : National - 03 International –
- Papers Presented in Conference : National - International –
- Ph.DGuide ? Give Field & : Field - University -
- PhDs / Projects Guided : PhDs - Projects at Masters level –

Books Published/IPRs/Patents (With Details) :2 Book

- Professional Membership : ISTE
- Consultancy Activities :NA
- Awards :
- Grants Fetched :
- Interaction with Professional Institutions :

(Signature)

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Ms. AmrapaliShivajiraoChavan
- Designation : Assistant Professor
- Department : Computer Engineering
- Date of Joining the Institution : 09/06/2017
- Qualifications with Class/Grade :
- 1. B.E in Computer Engineering - First Class

  2. M.Tech in Computer Science and Engg. - First Class with distinction

  3. M.S in Cloud Computing - First Class

  4. PhD Pursuing in Computer Science and Engg.
- Total Experience in Years : Teaching - 8.5 Industry - 02 Research - Nil
- Papers Published : National - 02 International – 05
- Papers Presented in Conference : National - 01 International – 01
- Ph.D Guide ? Give Field & : Field - University
- PhDs / Projects Guided : PhDs -
- Projects at Masters level – : Nil

Books Published/IPRs/Patents (With Details) : NIL

- Professional Membership : ISTE
- Consultancy Activities : NIL
- Awards : Corona Warrior by AISSMS Society
- Grants Fetched : NIL
- Interaction with Professional Institutions : NIL

(Signature)

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- ❖ Name of the Teaching Staff : Ms.BormanePradnya Dattatraya
- ❖ Designation : Assistant Professor
- ❖ Department : Computer
- ❖ Date of Joining the Institution : 15/06/2017
- ❖ Qualifications with Class/Grade :
  - BE : FIRST CLASS
  - ME: FIRST CLASS
  - PhD : Pursuing
- ❖ Total Experience in Years : Teaching – 7 yrs. Industry - NA Research - NA
- ❖
- ❖ Papers Published : National - 1 International – 1
- ❖ Papers Presented in Conference : National - 1 International – NA
- ❖ Ph.D Guide? Give Field & University : Field - NA University - NA
- ❖ PhDs / Projects Guided : PhDs - NA Projects at Masters level – NA
- ❖ Books Published/IPRs/Patents (With Details) : NA
- ❖ Professional Membership : IEI
- ❖ Consultancy Activities : NA
- ❖ Awards : NA
- ❖ Grants Fetched : NA
- ❖ Interaction with Professional Institutions : NA

(Signature)

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Ms.Pradnya Nilesh Gulhane
- Designation : Assistant Professor
- Department : Computer Engineering
- Date of Joining the Institution : 11/06/2018
- Qualifications with Class/Grade : M.E .(first class)
- Total Experience in Years : Teaching - 10 years Industry - Nil Research - Nil
- Papers Published : National - International – 2
- Papers Presented in Conference : National - International – 1
- Ph.D Guide ? Give Field & University : Field - NIL University - NIL
- PhDs / Projects Guided : PhDs - NIL Projects at Masters level – NIL

Books Published/IPRs/Patents (With Details) : NIL

- Professional Membership : ISTE
- Consultancy Activities : Nil
- Awards : Nil
- Grants Fetched : Nil
- Interaction with Professional Institutions : Nil

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Ms.Anuradha Shivajirao Varal
- Designation : Assistant Professor
- Department : Computer Engineering
- Date of Joining the Institution : 10/06/2019
- Qualifications with Class/Grade : ME Computer Engineering (9.18)
- Total Experience in Years : Teaching – 3 Years Industry - Research -
- Papers Published : National - 3 International – 7
- Papers Presented in Conference : National - 3 International – 1
- Ph.DGuide ? Give Field & University : Field - - University - -
- PhDs / Projects Guided : PhDs - - Projects at Masters level – -
- Books Published/IPRs/Patents (With Details) : NIL
- Professional Membership : -Decision Science Institute (DSI) ,ISTE
- Consultancy Activities : NIL
- Awards :Best Paper Award
- Grants Fetched : NIL
- Interaction with Professional Institutions : NIL

Place: Pune
Date: 20 April 2022

INSTITUTE OF INFORMATION TECHNOLOGY * AISSMS * PUNE * AISSMS
UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Ms.Pallavi Mohan Bhujbal
- Designation : Assistant Professor
- Department : Computer Engineering
- Date of Joining the Institution : 18/10/2021
- Qualifications with Class/Grade : M.E . Computer Science and Engineering./ First class
- Total Experience in Years : Teaching - 5 Yrs Industry - Research -
- Papers Published : National - International – (Journal) 07
- Papers Presented in Conference : National - International –
- Ph.DGuide ? Give Field & University : Field - University -
- PhDs / Projects Guided : PhDs -

Books Published/IPRs/Patents (With Details) :

- Professional Membership :
- Consultancy Activities :
- Awards : . Best Paper Award in JCON Conference 2015-(ESCI)
- Grants Fetched :
- Interaction with Professional Institutions :

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PUNE/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Dr. Limkar Suresh Vishnu
- Designation : Associate Professor
- Department : AI&DS
- Date of Joining the Institution : 21/6/2012
- Qualifications with Class/Grade : Ph.D. ,M.E. Computer
- Total Experience in Years : Teaching - 15 Industry - Nil Research - Nil
- Papers Published : National - 03 International – 25
- Papers Presented in Conference : National - 03 International – 20
- Ph.D Guide ? Give Field & University : Field - Nil University - Nil
- PhDs / Projects Guided : PhDs - Nil Projects at Masters level – 04
- Books Published/IPRs/Patents : Nil
- Professional Membership : LCSI, LISTE
- Consultancy Activities : Nil
- Awards : 1st Prize winner in National Conference at BDCOE Sevagram.
- Grants Fetched : Nil
- Interaction with Professional Institutions : Nil

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Dr. Rakesh Bapu Dhumale
- Designation : Associate Professor
- Department : AI&DS
- Date of Joining the Institution : 21/9/2020
- Qualifications with Class/Grade : BE , ME Electronics, Ph.D Philosophy
- Total Experience in Years : Teaching - 13 Industry - Nil Research - Nil
- Papers Published : National - 03 International – 36
- Papers Presented in Conference : National - 11 International – 12
- Ph.D Guide ? Give Field & University : Field - Nil University - Nil
- PhDs / Projects Guided : PhDs - Nil Projects at Masters level – 01
- Books Published/IPRs/Patents : 03
- Professional Membership : NA
- Consultancy Activities : NA
- Awards : NA.
- Grants Fetched : NA
- Interaction with Professional Institutions : NA

(Signature)

Place: Pune
Date: 20 April 2022

INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * A/SSMS's
UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Ms.Divyarani Pandurang Babar
- Designation : Assistant Professor
- Department : AI&DS
- Date of Joining the Institution : 23/8/2021
- Qualifications with Class/Grade : BE, ME Computer
- Total Experience in Years : Teaching - 03 Industry - Nil Research - Nil
- Papers Published : National - Nil International – 03
- Papers Presented in Conference : National - Nil International – 01
- Ph.D Guide ? Give Field & University : Field - Nil University - Nil
- PhDs / Projects Guided : PhDs - Nil Projects at Masters level - Nil
- Books Published/IPRs/Patents : Nil
- Professional Membership : NA
- Consultancy Activities : NA
- Awards : NA.
- Grants Fetched : NA
- Interaction with Professional Institutions : NA

(Signature)

Place: Pune
Date: 20 April 2022

AISSMS'S INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Ms.Priyanka Satish Shahane
- Designation : Assistant Professor
- Department : AI&DS
- Date of Joining the Institution : 21/8/2021
- Qualifications with Class/Grade : BE, ME Computer
- Total Experience in Years : Teaching - 01 Industry - 3 Research - Nil
- Papers Published : National - 1 International – 06
- Papers Presented in Conference : National - 1 International – 01
- Ph.D Guide ? Give Field & University : Field - Nil University - Nil
- PhDs / Projects Guided : PhDs - Nil Projects at Masters level - Nil
- Books Published/IPRs/Patents : Nil
- Professional Membership : NA
- Consultancy Activities : NA
- Awards : NA.
- Grants Fetched : NA
- Interaction with Professional Institutions : NA

(Signature)

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Mrs.PoojaSammerBhondve
- Designation : Assistant Professor
- Department : AI&DS
- Date of Joining the Institution : 13/9/2021
- Qualifications with Class/Grade : BE, ME Computer
- Total Experience in Years : Teaching - 02 Industry - Nil Research - Nil
- Papers Published : National - Nil International – 03
- Papers Presented in Conference : National - Nil International – 01
- Ph.D Guide ? Give Field & University : Field - Nil University - Nil
- PhDs / Projects Guided : PhDs - Nil Projects at Masters level - Nil
- Books Published/IPRs/Patents : Nil
- Professional Membership : NA
- Consultancy Activities : NA
- Awards : NA.
- Grants Fetched : NA
- Interaction with Professional Institutions : NA

(Signature)

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- ❖ Name of the Teaching Staff : Dr. Meenakshi A. Thalor
- ❖ Designation : Associate Professor and Head of Department
- ❖ Department : Information Technology
- ❖ Date of Joining the Institution : 13/6/2017
- ❖ Qualifications with Class/Grade : Ph. D. (Computer Engineering)
- ❖ Total Experience in Years : Teaching - 15yrs Industry - Research -
- ❖ Papers Published : National - 4 International – 20
- ❖ Papers Presented in Conference : National - 6 International –13
- ❖ Ph.D Guide ? Give Field & University : Field - University -
- ❖ PhDs / Projects Guided : PhDs - Projects at Masters level –

Books Published/IPRs/Patents (With Details) :

Books: 28

1. Author of book titled as "**Database Administration and Data Mining**" published by "Nirali Publication" in August 2021. ISBN: 978-93-5451-315-2
2. Author of book titled as "**Software Project Management**" published by "Nirali Publication" in March 2021. ISBN: 978-93-5451-115-8
3. Author of book titled as "**Object Oriented Programming for Insem Exam**" published by "Technical Publication" in July 2020. ISBN: 978-93-90041-50-3
4. Author of book titled as "**Object Oriented Programming for Endsem Exam**" published by "Technical Publication" in Aug 2020. ISBN: 978-93-332-2147-4
5. Author of book titled as "**Programming With Python**" published by "Nirali Publication" in December 2019. ISBN: 978-93-98686-90-4
6. Author of book titled as "**Data Warehouse with Mining Techniques**" published by "Nirali Publication" in December 2019. ISBN: 978-93-89825-18-3
7. Author of book titled as "**Java Progamming**" published by "Nirali Publication" in September 2019. ISBN:978-93-89533-27-9
8. Author of book titled as "**Data Mining**" published by "Nirali Publication" in September 2019. ISBN 978-93-89533-37-8
9. Author of chapter "Significant Improvement in Classification Performance Metrics by Ensemble Approach" published by Lecture Notes in Electrical Engineering, Springer, https://doi.org/10.1007/978-981-13-8715-9_29,ISSN 1876-1100, August 2019
10. Author of book titled as "**Advanced Java Progamming**" published by "Nirali Publication" in June 2019. ISBN 978-93-89108-11-8.
11. Author of book titled as "**Open Source Opearing System and Scripting Langauge**" published by "Nirali Publication" in June 2019.ISBN 978-93-89108-15-6.
12. Author of book titled as "**Client Side Scripting Language**" published by "Nirali Publication" in June 2019.ISBN 978-93-89108-12-5.
13. Author of book titled as "**GUI Application Development using VB.NET**" published by "Nirali Publication" in Jan. 2019.ISBN 978-93-88706-39-1.

Place: Pune
Date: 20 April 2022

UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

14. Author of book titled as "**Web Technology**" published by "Nirali Publication" in October 2018.ISBN 978-93-88293-45-7.
15. Author of book titled as "**Data Structures using C**" published by "Nirali Publication" in June 2018.ISBN 978-93-87686-91-5
16. Author of book titled as "**.NET Programming**" published by "Nirali Publication" in June 2015.ISBN 978-93-5164-644-0
17. Author of book titled as **"Linux Programming"** published by "Nirali Publication" in Dec. 2014. ISBN 978-93-5164-319-7
18. Author of book titled as **"Scripting Technology"** published by "Nirali Publication" in Dec. 2014. ISBN 978-93-5164-317-3.
19. Author of book titles as **"Windows Programming in VC++"** published by "Nirali Publication" in June 2014. ISBN 978-93-83971-86-2.
20. Author of book titled as "**Advanced Development Technology**" published by "Nirali Publication" in July 2014. ISBN 978-93-5164-174-2
21. Author of book titled as **"Software Project Management"** published by "Nirali Publication" in July 2014. ISBN 978-93-5164-172-8
22. Author of book titles as **"Windows Programming"** published by "Nirali Publication" in July 2011.
23. Worked as Subject Expert for the development of Text Book for subject **"Development of Life Skill-II"** sponsored by MSBTE in year Jan 2010 to August 2010.
24. Worked as Review Expert for the development of Assignment Book for subject **"Development of Life Skill-II"** sponsored by MSBTE in year Jan 2010 to August 2010.
25. Worked as Subject Expert for the development of Text Book for subject **"Development of Life Skill-I"** sponsored by MSBTE in year Jan 2009 to July 2009.
26. Worked as Subject Expert for the development of Assignment Book for subject **"Development of Life Skill-I"** sponsored by MSBTE in year Jan 2009 to July 2009.
27. Author of book titled as **"Advanced Web Technology"** published by "Nirali Publication" in year 2008.
28. Worked as Subject Expert for the development of lab manual for subject **"Advanced Web Technology"** sponsored by MSBTE in year April 2008 to Dec 2008

Patent: 02

1. IAH-Waste Management: Intelligent Waste Management For Ayurveda Hospitals Using IOT-Based. Application No.:202141001290 published on 22/1/2021
2. Asthma Detection and Notification Using IOT based with very small device.Application no. 202141004759 published on 26/02/2021

❖ Professional Membership :

1. Indian society for technical education (ISTE)
2. Association of Computing Machinery(ACM)
3. International Association of Engineers (IAENG)
4. Computer Science Teachers Association(CSTA)
5. The Society of Digital Information and WirelessCommunications (SDIWC)

❖ Consultancy Activities :-

❖ Awards :First ranker for M.E.(Information Technology) year 2011. Best Paper Award in 4th International Conference of Ideas, Innovation, Impact in Science and Technology from SKNCOE,Pune.

❖ Grants Fetched :Nil

Place: Pune
Date: 20 April 2022

INSTITUTE OF INFORMATION TECHNOLOGY * AISSMS * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

❖ Interaction with Professional Institutions :

1.Resource Person for topic "Body Language" organised by AISSMS Polytechnic, STTP on "Development of Life Skills" on 30/08/2010

2.Resource Person for topic "Interpersonal Skill" organised by AISSMS Polytechnic, STTP on "Development of Life Skills" on 04/09/2010

3.Resource Person for topic "Ransomware and Its Prevention" organised by AISSMS Polytechnic, STTP on "Computer Network and Digital Forensic on 22/12/2017

4.Resource Person for topic "Network Simulation Tools" organised by Sou Venutai Chavan Polytechnic,On 22/01/2018

5.Resource Person for topic "Ransomware and Its Prevention" organised by Sou Venutai Chavan Polytechnic,on 22/01/2018

6.Resource Person for topic "Ransomware and Its Prevention" organised by Y.B.Patil Polytechnic on 17/09/2018

7.Judge for "best out of waste" organised by AISSMS Polytechnic on 14/02/2019

8.Reviewer for ICSC-2019, Cochin, Kerela from 19/04/2019-21/04/2019

9.Resource Person for topic "Statistical methods for Evaluation in Data Analytics" organised by MMCOE,Pune ,STTP on "Data Analytics using Machine Learning for High Performance Computing" on 5/06/2019

10.Resource Person for topic "Project Planning" organised by AISSMS Polytechnic on 30/07/2019

11.Resource Person for topic "Data Mining" organised by Y.B.Patil Polytechnic on 17/092019

12.Organizing Committee Member for ICRDTIET 2020,GWCET,Nagpur from 21/04/2020 – 22/04/2020

13.Reviewer for ICMISC 2020, India from 21/05/2020 -22/05/2020

14.Resource Person for FDP on Research Methodology,AISSMSIOIT,Pune from 09/06/2020 – 15/06/2020

15.Resource Person for FOP on OOP and OOPL on 26/06/2020

16.Advisory Committee Member for Virtual Conference On Ubiquitous Ai And Machine Learning from 16/10/2020 & 17/10/2020

17.Judge for Web Designing Competition(Techwiz)organised by AISSMS's SSPM School and Junior College,Pune on 07/01/2021

18.Organizing Committee Member for 3rd International conference on Latest Trends in Engineering and Management (ICLTEM)-2021 from 26/02/2021 - 27/02/2021

19.Resource Person for Effective Research Paper Writing organised by Vidya Vikas Pratishthan's Institute of Engineering & Technology, Solapur from 22/04/2021 -23/04/2021

20.Resource Person for "An Introduction to Unified Modeling Language" organised by AISSMS Polytechnic,Pune on 05/06/2021

21.Reviewer for International Conference on Communication, Information and Computing Technology, (ICCICT-2021)from 25/06/2021 to 17/06/2021

22.Advisory Board Member for International virtual conference on "IOT and Intelligent Apps"(IOTIA 2021)from 28/10/2021 to 29/10/2021

23.Resource Person for topic " Machine Learning organised by Y.B.PatilPolytechnic,Pune on 24/11/2021

24.Judge for Web Designing Competition(Techwiz) AISSMS's SSPM School and Junior College,Pune on 07/01/2022

25.Resource Person for topic "CO- Competencies-Performance Indicators -PO" organised by PES' Modern college of Engineering,Pune on 11/01/2022

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

- Name of the Teaching Staff : Pritesh A Patil



- Designation : Assistant Professor
- Department : Information Technology
- Date of Joining the Institution : 08-12-2009
- Qualifications with Class/Grade : BE/Ist Class , ME/ Ist Class, PhD (Pursuing)
- Total Experience in Years : Teaching - 18 Industry - Research -
- Papers Published : National - International – 35
- Papers Presented in Conference : National - 14 International –20
- Ph.DGuide ? Give Field & University : Field - University -
- PhDs / Projects Guided : PhDs - Projects at Masters level –

Books Published/IPRs/Patents (With Details) :

Sr. No.	Title of Book	ISBN/ISSN	Author
01	UNIX AND SHELL PROGRAMMING	978-81-8492-342-2	Mr.Pritesh A Patil
02	IT INFRASTRUCTURE AND ITS MANAGEMENT	978-81-8492-541-8	Mr.Pritesh A Patil
03	DATA COMMUNICATION	978-81-8492-775-7	Mr.Pritesh A Patil
04	FUNDAMENTAL OF DIGITAL COMPUTING	978-81-8492-387-2	Mr.Pritesh A Patil

- Professional Membership : International- IAENG (LM) National- ISTE(LM)
- Consultancy Activities :
- Awards :1. Best HOD award 2017-18 by AISSMS IOIT, Pune.
  2. Best HOD award 2018-19 by AISSMS IOIT, Pune.
- Grants Fetched :
- Interaction with Professional Institutions : 1. Panelist of Interview at BARTI Govt. of Maha., Pune
  2. Panelist of Interview at SARTHI Govt. of Maha. Pune
  3. Corporate Trainer at ITPreneur data System Pvt. Ltd.

(Signature)

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1993

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- ❖ Name of the Teaching Staff : Riyazahmed A Jamadar
- ❖ Designation : Assistant Professor
- ❖ Department : Information Technology
- ❖ Date of Joining the Institution : 08-12-2009
- ❖ Qualifications with Class/Grade : ME (First Class)
- ❖ Total Experience in Years : Teaching -21 Industry - 5 Research - Nil
- ❖ Papers Published : National - 20 International – 20
- ❖ Papers Presented in Conference : National - 04 International – 02
- ❖ Ph.D Guide ? Give Field & University No. : Field - University -
- ❖ PhDs / Projects Guided : PhDs - Projects at Masters level –
- Books Published/IPRs/Patents (With Details) :
- ❖ Professional Membership : ISTE
- ❖ Consultancy Activities : Nil
- ❖ Awards : Research Ratna Award IJRULA Awards
- ❖ Grants Fetched : Nil
- ❖ Interaction with Professional Institutions : 1. Delivered C++ training for corporates at Iconnect.
  2. Delivered Java training for corporates at Acorn Infotech.

(Signature)

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Mrs. Pragati Prashant Mahale
- Designation :Assistant Professor
- Department :IT
- Date of Joining the Institution :8/12/2008
- Qualifications with Class/Grade :ME-IT First class
- Total Experience in Years : Teaching - 13 Industry -1 Research - 0
- Papers Published : National - 5 International – 5
- Papers Presented in Conference : National - 2 International – Nil
- Ph.D Guide ? Give Field & University : : Field - University -
- PhDs / Projects Guided : PhDs - Projects at Masters level –

Books Published/IPRs/Patents (With Details) :NIL

- Professional Membership : ISTE
- Consultancy Activities :NIL
- Awards :SWO award from SPPU
- Grants Fetched :NIL
- Interaction with Professional Institutions :

1. Yoursarthi
2. Salesforce consultant
3. Flying High
4. C-DAC,Pune

(Signature)

Place: Pune
Date: 20 April 2022

INSTITUTE OF INFORMATION TECHNOLOGY * AISSMS * PUNE * UoP Id. No. PUPNIEngg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Mrs. Anuja Sandeep Phapale
- Designation : Assistant Professor
- Department : Information Technology
- Date of Joining the Institution : 04/01/2010
- Qualifications with Class/Grade : M.E.Computer/First Class
- Total Experience in Years : Teaching - 17.5 Yrs Industry - Nil Research - Nil
- Papers Published : National - 04 International – 10
- Papers Presented in Conference : National - 03 International – Nil
- Ph.DGuide ? Give Field & University : Field - Nil University - Nil
- PhDs / Projects Guided : PhDs - Nil Projects at Masters level – Nil

Books Published/IPRs/Patents (With Details) : Nil

- Professional Membership : 01 (ISTE)
- Consultancy Activities : Nil
- Awards :Nil
- Grants Fetched : Nil
- Interaction with Professional Institutions : Nil

(Signature)

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- ❖ Name of the Teaching Staff : Ms. Jayashree C. Pasalkar
- ❖ Designation : Assistant Professor
- ❖ Department : Information Technology
- ❖ Date of Joining the Institution : 8/12/2009
- ❖ Qualifications with Class/Grade : M.E. IT (First Class), B. E. CSE (First Class)
- ❖ Total Experience in Years : Teaching - 13 Years Industry - Research -
- ❖ Papers Published : National - International – 07
- ❖ Papers Presented in Conference : National - 04 International – 01
- ❖ Ph.D Guide ? Give Field & University : Field - University -
- ❖ PhDs / Projects Guided : PhDs - Projects at Masters level –
- ❖ Books Published/IPRs/Patents (With Details) :
- ❖ Professional Membership : 1. Indian society for technical education (ISTE)
  2. International Association of Engineers (IAENG)
  3. Computer Science Teachers Association(CSTA)

- ❖ Consultancy Activities : NIL
- ❖ Awards : NIL
- ❖ Grants Fetched : NIL

- ❖ Interaction with Professional Institutions :

(Signature)

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PUIPN:Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Mrs.Reshma Yogesh Totare
- Designation : Assistant Professor
- Department : Information Technology
- Date of Joining the Institution : 26/07/2007
- Qualifications with Class/Grade : M.Tech Computer with distinction
- Total Experience in Years : Teaching – 14.5 years Industry - Research -
- Papers Published : National - International – 17
- Papers Presented in Conference : National - 2 International – 5
- Ph.D Guide ? Give Field & University : Field - - University - -
- PhDs / Projects Guided : PhDs - Projects at Masters level –

Books Published/IPRs/Patents (With Details) : -

- Professional Membership : ISTE,IFERP
- Consultancy Activities :-
- Awards : -
- Grants Fetched : -
- Interaction with Professional Institutions : - BVCOE,Pune

(Signature)

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Mr. Prashant B. Wakhare
- Designation : Assistant Professor
- Department : Information Technology
- Date of Joining the Institution : 15/06/2015
- Qualifications with Class/Grade : BE-IT (Distinction), ME- Computer Engineering (Distinction) and PhD (Pursuing)
- Total Experience in Years : Teaching – 6.7 Industry - 02 Research - 00
- Papers Published : National - 03 International – 10
- Papers Presented in Conference : National - 04 International – 02
- Ph.D Guide ? Give Field & : Field - NA University - NA
- PhDs / Projects Guided : PhDs - NA Projects at Masters level – NA
  Books Published/IPRs/Patents (With Details) : NA
- Professional Membership : IEEE
- Consultancy Activities :NA
- Awards : Best International Paper Award 2020
- Grants Fetched : NA
- Interaction with Professional Institutions : NA

(Signature)

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- ❖ Name of the Teaching Staff : Dr. Mrunal K. Pathak
- ❖ Designation : Assistant Professor
- ❖ Department : Information Technology
- ❖ Date of Joining the Institution : 21-09-2020
- ❖ Qualifications with Class/Grade : B.E (First class)., M.E. PhD(CSE)
- ❖ Total Experience in Years : Teaching -11.5 years Industry-1 year Research -Nil
- ❖ Papers Published : National - 00 International – 21
- ❖ Papers Presented in Conference : National - 05 International – 06
- ❖ Ph.D Guide ? Give Field & University : Field - NA University - NA
- ❖ PhDs / Projects Guided : PhDs - Projects at Masters level – NA

Books Published/IPRs/Patents (With Details) :

- ❖ Professional Membership : Indian society for technical education (ISTE)
- ❖ Consultancy Activities : NA
- ❖ Awards : NA
- ❖ Grants Fetched : NA
- ❖ Interaction with Professional Institutions : NA

(Signature)

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Madhuri B.Thorat
- Designation : Assistant Professor
- Department : Information Technology
- Date of Joining the Institution : 21/9/2020
- Qualifications with Class/Grade : ME (Distinction)
- Total Experience in Years : Teaching – 4years Industry - Research -
- Papers Published : National - 2 International – 3
- Papers Presented in Conference : National - International – 2
- Ph.D Guide ? Give Field & University : Field - University -
- PhDs / Projects Guided : PhDs - Projects at Masters level –

Books Published/IPRs/Patents (With Details) :

- Professional Membership : ISTE
- Consultancy Activities :
- Awards :
- Grants Fetched :
- Interaction with Professional Institutions :

(Signature)

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Ms. Vrushali R. Dhanokar
- Designation : Assistant Professor
- Department : Information Technology
- Date of Joining the Institution : 23/8/2021
- Qualifications with Class/Grade : MTech (Distinction)
- Total Experience in Years : Teaching – 1 years Industry - Research -
- Papers Published : National - International – 4
- Papers Presented in Conference : National - International – 2
- Ph.D Guide ? Give Field & University : Field - University -
- PhDs / Projects Guided : PhDs - Projects at Masters level –

Books Published/IPRs/Patents (With Details) :

- Professional Membership :
- Consultancy Activities :
- Awards :
- Grants Fetched :
- Interaction with Professional Institutions :

(Signature)

Place: Pune
Date: 20 April 2022

INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * AISSMS'S
UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Mr.Vikas Katakdound
- Designation : Assistant Professor
- Department : Information Technology
- Date of Joining the Institution : 26/8/2021
- Qualifications with Class/Grade : ME
- Total Experience in Years : Teaching – 13 years Industry - 1.5 Research -
- Papers Published : National - International – 2
- Papers Presented in Conference : National - International –
- Ph.D Guide ? Give Field & University : Field - University -
- PhDs / Projects Guided : PhDs - Projects at Masters level –
- Books Published/IPRs/Patents (With Details) :
- Professional Membership : ISTE
- Consultancy Activities :
- Awards :
- Grants Fetched :
- Interaction with Professional Institutions :

(Signature)

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- ❖ Name of the Teaching Staff : Dr.Dnyandeo Krishna Shedge
- ❖ Designation : Professor
- ❖ Department : E & TC Engineering
- ❖ Date of Joining the Institution : 1st Dec 2003
- ❖ Qualifications with Class/Grade : PhD(E&TC), ME (Electronics)& BE(Electronics) 1st class
- ❖ Total Experience in Years : Teaching - 33 Industry - Research -5
- ❖ Papers Published : National - 0 International – 33
- ❖ Papers Presented in Conference : National - 1 International – 14
- ❖ PhD Guide ? Give Field & University : yes Field - E&TC University - SPPU Pune
- ❖ PhDs / Projects Guided : PhDs - 06 Projects at Masters level – 12
  - ♦ Books Published/IPRs/Patents (With Details) : Book -01 (Title :- 'Network Synthesis and Filter Design' Wiley Eastern Publication 2010)
- ❖ Professional Membership : IETE, ISTE,IEI
- ❖ Consultancy Activities : NIL
- ❖ Awards :NIL
- ❖ Grants Fetched : NIL
- ❖ Interaction with Professional Institutions : NIL

Place: Pune
Date: 20 April 2022

ASSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PUPN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- ❖ Name of the Teaching Staff : Dr.VinayakKachardasBairagi
- ❖ Designation : Professor
- ❖ Department : Electronics and Telecommunication
- ❖ Date of Joining the Institution : 11-June -2013
- ❖ Qualifications with Class/Grade : PhD, ME (1st Class), BE (1st Class)
- ❖ Total Experience in Years : Teaching - 16 Industry - Nil Research - 10
- ❖ Papers Published : 56 (26 in journal) National - International –
- ❖ Papers Presented in Conference : National -8 International – 18
- ❖ Ph.DGuide ? Give Field &University : Yes ,
  Field –E&TC (Signal Processing),University - S P Pune University.
- ❖ PhDs / Projects Guided : PhDs - 3 Projects at Masters level – 12
- ❖ Books Published/IPRs/Patents (With Details) : 4

	Title of the Book	Name of the Publisher	Publication details
1	Research Methodology: A Practical and Scientific Approach	CRC Press	An Edited book on Research Methodology 9781351013260
2	EEG-Based Diagnosis of Alzheimer Disease	Elsevier Academic Press	A book on Alzheimer disease 978-0-12-815392-5
3	Digital Signal Processing	Technical Publication	A university level book on DSP 978-9333215770
4	Brain Seizure Detection and Classification Using EEG Signals	Elsevier Academic Press	eBook ISBN: 9780323911214

Patents : 12 filed (9 Published) Copyrights : 5 Registered

- ❖ Professional Membership :

Sr. No.	Name of Society	Membership
1	IEEE (Institute of Electrical and Electronics Engineers)	SPS-PC-2022
2	IETE (The Institution of Electronics and Telecommunication Engineers)	Life Member
3	ISTE (Indian Society of Technical Education)	Life Member
4	IEI (Institution of Engineers India)	Life Member
5	BME (Biomedical Society of India)	Life Member

- ❖ Consultancy Activities : 1
- ❖ Awards : 4
  1. SPPU Best Innovative Teacher Award 2020-21
  2. The Institution of Electronics and Telecommunication Engineers(IETE) – M N SAHA Memorial Award-2018
  3. Indian Society for Technical Education *(ISTE)-SGSITS Young Researcher Award winner 2015.*
  4. Institute of Engineers India *(IEI) Young Engineer Award winner 2014.*
- ❖ Grants Fetched : Fourresearch Gants (S P Pune University, BHU , GYTI)

Place: Pune
Date: 20 April 2022

A.I.S.S.M.S. INSTITUTE OF INFORMATION TECHNOLOGY PUNE UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

- ❖ Interaction with Professional Institutions : Yes

- ❖ Name of the Teaching Staff : Dr.SomnathBabaraoDhonde
- ❖ Designation : Associate Professor
- ❖ Department : E&TC
- ❖ Date of Joining the Institution : 11/08/2006
- ❖ Qualifications with Class/Grade : BE(E&TC) ME PhD(Electronics)
- ❖ Total Experience in Years : Teaching - 16 Yrs Industry - 04 Yrs Research -04
- ❖ Papers Published : National - 00 International – 36
- ❖ Papers Presented in Conference : National - 01 International – 06
- ❖ Ph.DGuide ? Give Field & : Yes
  Field – E&TC (Signal Processing) University – SPPU, Pune
- ❖ PhDs / Projects Guided : PhDs - 0 Projects at Masters level – 10

Books Published/IPRs/Patents (With Details) : 02

Patents: Text-independent Speaker Identification Using Fusion of MFCC, LPC, And Formants Features" in Journal no. 29/2016 on 15th July, 2016.

- ❖ Professional Membership : Life member ISTE & IETE Fellow member, IEI
- ❖ Consultancy Activities :
- ❖ Awards :

1. PimpriChinchwadMunicipal corporation , Pune – Social Award
2. Constitution Awareness Committee , Pune – Social Award
3. AISSMS Society , CORONA Warrior
4. ShriDattaMandir Trust – Social Award

- ❖ Grants Fetched :
- ❖ Interaction with Professional Institutions : Yes

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- ❖ Name of the Teaching Staff : Dr MohiniPramodSardey
- ❖ Designation : Assistant Professor
- ❖ Department : E&TC
- ❖ Date of Joining the Institution : 24/7/1995
- ❖ Qualifications with Class/Grade : BE – 1st Class, M Tech – CGPA 7.62, PhD
- ❖ Total Experience in Years : Teaching - 28 Industry - NA Research - 09
- ❖ Papers Published : National - 05 International – 27
- ❖ Papers Presented in Conference : National -05 International – 05
- ❖ Ph.DGuide ? Give Field & University : Field - NA University - NA
- ❖ PhDs / Projects Guided : PhDs - NA Projects at Masters level – 01

Books Published/IPRs/Patents (With Details) :NIL

- ❖ Professional Membership : IETE, ISTE
- ❖ Consultancy Activities : NIL
- ❖ Awards :NIL
- ❖ Grants Fetched : NIL
- ❖ Interaction with Professional Institutions : Coordinator of Professional Body at college Actively involved in Students chapter activities (ISF- IETE Students Forum) and Staff activities. Worked as Executive Council Member of IETE for last 3 years.

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- ❖ Name of the Teaching Staff : Mr Pandurang Abhimanyu Patil
- ❖ Designation : Assistant Professor in Electronics Engineering
- ❖ Department : Electronics and Telecommunication Engineering
- ❖ Date of Joining the Institution : 1/09/1995
- ❖ Qualifications with Class/Grade :BE (E & TC) First class, ME (E&TC)- First Class
- ❖ Total Experience in Years : Teaching - 34 Industry - 00 Research - 00
- ❖ Papers Published : National - 00 International – 00
- ❖ Papers Presented in Conference : National - 01 International – 00
- ❖ Ph.DGuide ? Give Field &:Nil
- ❖ PhDs / Projects Guided : 00 Projects at Masters level – 01

Books Published/IPRs/Patents (With Details) :00

- ❖ Professional Membership : ISTE
- ❖ Consultancy Activities :NA
- ❖ Awards :00
- ❖ Interaction with Professional Institutions : NA

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff: Dr.Mousami Sandeep Vanjale
- Designation : Assistant Professor
- Department : E & TC Engineering
- Date of Joining the Institution : 01/02/2005
- Qualifications with Class/Grade :Ph.D.,M.Tech. (Electronics Engg.) with Distinction
- Total Experience in Years : Teaching - 18 Industry - 01 Research - 08
- Papers Published : National - International – 29
- Papers Presented in Conference : National - 3 International – 8
- Ph.DGuide ? Give Field & University : Field - University -
- PhDs / Projects Guided : PhDs - Nil Projects at Masters level – 5

Books Published/IPRs/Patents (With Details): 1 Patent published (application no. 202021003501)

- Professional Membership : IETE, ISTE
- Consultancy Activities : Offered consultancy on NBA and NAAC to 20+ Colleges in and around Pune
- Awards : AISSMS DIVA 2020 Award
- Grants Fetched : 1. Received grant of £ 3000 from UKIERI (British Council) tovisit Staffordshire University, United Kingdom under staff exchange program
  2. Received research grant of Rs. 1.8 Lakh from BCUD, SPPU
- Interaction with Professional Institutions : Yes

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- ❖ Name of the Teaching Staff : Dr.MrsHemangi Deepak Shinde
- ❖ Designation : Assistant Professor
- ❖ Department : Electronics & Telecommunication Engineering
- ❖ Date of Joining the Institution : 1/1/2008
- ❖ Qualifications with Class/Grade : Ph.D., M.E.(E&TC, Microwave) First
- ❖ Total Experience in Years : Teaching - 21 Industry - 7 Research -10
- ❖ Papers Published : National - 04 International – 07
- ❖ Papers Presented in Conference : National - 04 International – 05
- ❖ Ph.DGuide ? Give Field & University : NIL Field - University -
- ❖ PhDs / Projects Guided : PhDs - NA Projects at Masters level – 06

Books Published/IPRs/Patents (With Details) :Book - 02

1) Theory & solved problems in control systems, SatyaPrakasha, Delhi
2) Digital signal processing, NiraliPrakashan, Pune

- ❖ Professional Membership : Life member IETE, ISTE
- ❖ Consultancy Activities :
- ❖ Awards :
- ❖ Grants Fetched : Research grant 190,000/- from BCUD, SPPU, Pune

during 2016-2018.
Grant of 3000 pounds from Ukieri under faculty Exchangeprogram at Staffordshire university, UK

- ❖ Interaction with Professional Institutions : Yes

Place: Pune
Date: 20 April 2022

ASSUMSI INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Mr.VenkatNamdevGhodke
- Designation : Assistant Professor
- Department : E &TC Engineering
- Date of Joining the Institution : 12.04.2012
- Qualifications with Class/Grade : B.E.(Electronics Engineering) /First Division With Distinction

  M.E. (Electronics –Digital System)/ First Division, PhD (E&TC Engineering-Pursuing)
- Total Experience in Years : Teaching - 23 Industry - Research - 5
- Papers Published : National - 0 International – 30
- Papers Presented in Conference : National - 3 International –6
- Ph.D Guide : NA
- Give Field & University : NA
- PhDs / Projects Guided : PhDs - Projects at Masters level –
- Books Published/IPRs/Patents (With Details) :11 Books Published
- Professional Membership : Life Member IETE, ISTE , IEEE
- Consultancy Activities :
- Awards :1)Excellent coordination of state level Olympiad in project management 2)Best Teacher Award By Lokmangal Bank Solapur
- Grants Fetched : Yes (BCUD, SPPU research grant, "Diagnosis for Alzheimer disease". (Rs 1.6 lakh- 2016-18)
- Interaction with Professional Institutions : Yes

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

- Name of the Teaching Staff : Mr.MilindPralhadGajare
- Designation : Assistant Professor
- Department : E & TC Engineering
- Date of Joining the Institution : 01/10/2008
- Qualifications with Class/Grade : Ph.DPursuing ,ME (E & TC) , Distinction
- Total Experience in Years : Teaching - 15 Industry - 02 Research - 03
- Papers Published : National - 00 International – 20
- Papers Presented in Conference : National - 0 International – 03
- Ph.DGuide ? Give Field & University : Field - Nil University - Nil
- PhDs / Projects Guided : PhDs - Nil Projects at Masters level – 00



Books Published/IPRs/Patents (With Details) :Book -02 Integrated Circuits for SE (E&TC), Pune University, Technical Publications

- Professional Membership : IETE, ISTE
- Consultancy Activities :Nil
- Awards :Nil
- Grants Fetched : Nil
- Interaction with Professional Institutions : Nil

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- ❖ Name of the Teaching Staff : Mr.DevendraAnantItole
- ❖ Designation : Assistant Professor
- ❖ Department : E & TC Engineering
- ❖ Date of Joining the Institution : 4th Nov 2008
- ❖ Qualifications with Class/Grade :Ph.D. Pursuing, ME E&TC (Microwave)with 1st class
- ❖ Total Experience in Years : Teaching - 13 Industry - Research -
- ❖ Papers Published : National - International – 16
- ❖ Papers Presented in Conference : National - 1 International – 2
- ❖ Ph.DGuide ? Give Field & University : Field - NIL University - NIL
- ❖ PhDs / Projects Guided : PhDs - NIL Projects at Masters level – NIL

Books Published/IPRs/Patents (With Details) :NIL

- ❖ Professional Membership : IETE, ISTE
- ❖ Consultancy Activities : NIL
- ❖ Awards :NIL
- ❖ Grants Fetched : NIL
- ❖ Interaction with Professional Institutions : NIL

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Mr SantoshHarishandraLavate
- Designation : Assistant Professor
- Department : E & TC
- Date of Joining the Institution : 15 Dec 2009
- Qualifications with Class/Grade : PhD Pursuing,ME (E&TC) Ist Class
- Total Experience in Years : Teaching – 13Yrs Industry - Nil Research -01
- Papers Published : National - 08 International – 12
- Papers Presented in Conference : National - 02
- International –02
- Ph.DGuide ? Give Field & University : Field - NA University - NA
- PhDs / Projects Guided : PhDs - Nil Projects at Masters level – Nil

Books Published/IPRs/Patents (With Details) : Nil

- Professional Membership : ISTE , IEEE,
- Consultancy Activities : ---
- Awards : ---
- Grants Fetched : ---
- Interaction with Professional Institutions : ---

Place: Pune
Date: 20 April 2022

INSTITUTE OF INFORMATION TECHNOLOGY AISSMS PUNE UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Mrs.Shobha Sachin Nikam
- Designation : Assistant Professor
- Department : Electronics &Telecommunications
- Date of Joining the Institution : 29/12/09
- Qualifications with Class/Grade : BE(E&TC)-66.33%- 1st Classwith distinction
  ME(E&TC)-7.42-1st Class
  PhD(E&TC)- Pursuing
- Total Experience in Years : Teaching – 13.5 Years Industry -Nil Research - 1.6 Years
- Papers Published : National - Nil International – 18
- Papers Presented in Conference : National - 1 International – 5
- Ph.DGuide ? Give Field & University : NoField - University -
- PhDs / Projects Guided : PhDs -
  Projects at Masters level – 1. Inertial Sensors Based Road Condition Monitoring & Alternate Route Suggestion 2. Saline and health monitoring system.
  Books Published/IPRs/Patents (With Details) : 1 chapter in book,Basic Instrumentation, Research Methodology: A Practical and Scientific Approach, CRC Press Taylor & Francis group.
- Professional Membership : ISTE, IETE
- Consultancy Activities :Nil
- Awards :Best young researcher national award from IRDP 2019
  group of journals.
- Grants Fetched : Received grant of Rs. 8.6 Lakh for 1.5 years from
  ISRO-UOP JRP for project titled "Design
  feasibility of PLL frequency synthesizer for Ku band".
- Interaction with Professional Institutions : 1. Signed MOU with Indo-science education trust.
  2.Arranged Webinar for BE students on "Industrial automation and IoT" by MPTA education Ltd.
  3. ISRO-IIRS institute level nodal coordinator for outreach program.

Place: Pune
Date: 20 April 2022

INSTITUTE OF INFORMATION TECHNOLOGY AISSMS PUNE UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- ❖ Name of the Teaching Staff : Mrs. MamtaSanjay Koban
- ❖ Designation : Assistant Professor
- ❖ Department : Electronic and Telecommunication
- ❖ Date of Joining the Institution : 28th Dec 2009
- ❖ Qualifications with Class/Grade : ME (E&TC) First Class
  PhD (Pursuing)
- ❖ Total Experience in Years : Teaching - 12 yrs Industry - 9yrs Research - Nil
- ❖ Papers Published : National - International – 23
- ❖ Papers Presented in Conference : National - 03 International – 03
- ❖ Ph.DGuide ? Give Field & University : Field - NA University -
- ❖ PhDs / Projects Guided : PhDs - NA Projects at Masters level – NA
- Books Published/IPRs/Patents (With Details) : NA
- ❖ Professional Membership : ISTE
- ❖ Consultancy Activities : Nil
- ❖ Awards : BharathEducation Excellence Awards 2021
  UtthamaAadhyapika award
- ❖ Grants Fetched : Nil
- ❖ Interaction with Professional : 1. Signed MOU with Logic Power,Pune , Brainovision Pvt. Ltd., Hydrabad and Electronics Study Centre, Nashik

  2.Organized national and international level FDPs, workshops, Webinars and seminars for students and staffs

3

Place: Pune
Date: 20 April 2022

AISSMS's INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id: No PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- ❖ Name of the Teaching Staff :Mrs Varsha Kiran Patil
- ❖ Designation :Assistant Professor
- ❖ Department :Electronics and Telecommunication Engineering
- ❖ Date of Joining the Institution :1.1.2010
- ❖ Qualifications with Class/Grade :M.Tech Electronics (First class)
  Phd Pursuing
- ❖ Total Experience in Years : Teaching - 20 Industry - 1 Research - 1
- ❖ Papers Published : National - - International – 24
- ❖ Papers Presented in Conference : National - 2 International – 2
- ❖ Ph.DGuide ? Give Field & University : Field - NA University - NA
  PhDs / Projects Guided : PhDs - NA Projects at Masters level – NA

Books Published/IPRs/Patents (With Details) :Books Published 05

- ❖ Professional Membership : ISTE ,IETE
- ❖ Consultancy Activities :Completion and Successful implementation of technical project entitled, "RFID Based Interactive Map of Maharashtra " for "Forest Department, Junnar, Dist.-Pune
- ❖ Award : **Best paper award in the fourth IEEE Pune Con 2021** organized by IEEE Pune.
  TIP Honor of Excellence: **Inspiring Educators Award 2021**
  Texas Instruments award for FOSTERING ecosystem bridging industry Govt Academia
- ❖ **Grants Fetched :**1 Received Research Grant of Rs. 2.00 Lakhs for the Research project entitled, *"Efficient Hardware Implementations of High Speed Digital Communication Schemes,"*, from BCUD, University of Pune, India (File No: : OSD/BCUD/230/9, Dated 14/05/2012)

  2. Received Research Grant of Rs. 2.00 Lakhs from SPPU Pune asCoordinator for proposal submitted as a Coordinator for a proposal submitted" *Hands On Training Using Open source Soft Wares for Image Processing and Building Embedded Systems"*3. Received Research Grant of Rs. 2.00 Lakhs from SPPU Pune as a Coordinator for proposal submitted on *"HandsOn Training Using Opensource Soft Wares for Image Processing and Building Embedded Systems"*
- ❖ Interaction with Professional :1. Signed MOU with BSNL and Texas Instruments Innovation Lab.
  2. Arranged Project exhibitions, workshops, Webinars for students and staffs

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Mr.PokharkarSagarBabanrao
- Designation : Assistant Professor
- Department : E&TC
- Date of Joining the Institution : 27/07/2009
- Qualifications with Class/Grade : ME (E&TC Micowave) with Distinction
- Total Experience in Years : Teaching –14 Industry - Research -
- Papers Published : National - International – 08
- Papers Presented in Conference : National - International – 01
- Ph.DGuide ? Give Field & University : Field - University -
- PhDs / Projects Guided : PhDs - Projects at Masters level –

Books Published/IPRs/Patents (With Details) :

- Professional Membership : IETE,ISTE
- Consultancy Activities :
- Awards :
- Grants Fetched :
- Interaction with Professional :

Place: Pune
Date: 20 April 2022

INSTITUTE OF INFORMATION TECHNOLOGY AISSMS PUNE
UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Mr. Sachin RatnakarKokane
- Designation : Asst. Professor
- Department : E&TC
- Date of Joining the Institution : 12/10/2010
- Qualifications with Class/Grade : M.Tech

  PhD Pursuing
- Total Experience in Years : Teaching - 11 Industry - Nill Research - 3
- Papers Published : National - 3 International – 5
- Papers Presented in Conference : National - Nill International – Nill
- Ph.DGuide ? Give Field & University : Field - Nill University - Nill
- PhDs / Projects Guided : PhDs - Nill Projects at Masters level – Nill

Books Published/IPRs/Patents (With Details) :Nill

- Professional Membership : ISTE , IEEE
- Consultancy Activities : Nill
- Awards : Nill
- Grants Fetched : Nill
- Interaction with Professional Institutions : Nill

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- ❖ Name of the Teaching Staff : Mrs.Vineeta Philip
- ❖ Designation : Assistant Professor
- ❖ Department : E&Tc Engineering Dept.
- ❖ Date of Joining the Institution : 07/01/2011
- ❖ Qualifications with Class/Grade : ME-Electronics(Digital system), First Class

  PhD Pursuing
- ❖ Total Experience in Years : Teaching - 15 years Industry - nil Research - nil
- ❖ Papers Published : National - International – 15 (JOURNAL)
- ❖ Papers Presented in Conference : National - 03 International – 03
- ❖ Ph.DGuide ? Give Field & University : Field - NA University - NA
- ❖ PhDs / Projects Guided : PhDs - NA Projects at Masters level – NA

Books Published/IPRs/Patents (With Details) : NIL

- ❖ Professional Membership : ISTE, IETE
- ❖ Consultancy Activities : NIL
- ❖ Awards : NIL
- ❖ Grants Fetched : NIL

Interaction with Professional Institutions : Organized workshops, Webinars and seminars for students and staffs

- ❖

Place: Pune
Date: 20 April 2022

INSTITUTE OF INFORMATION TECHNOLOGY AISSMS PUNE UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Mrs.ArchaanaAmolRandive
- Designation : Assistant Professor
- Department : Electronics and Telecommunication Engineering
- Date of Joining the Institution : 09/02/2012
- Qualifications with Class/Grade : M.E (First Class with CGPA: 7.43)
- Total Experience in Years : Teaching –9 Years Industry - Research -
- Papers Published : National - 1 International – 8
- Papers Presented in Conference : National -Nil International – Nil
- Ph.DGuide ? Give Field & University : Field - Nil University - Nil
- PhDs / Projects Guided : PhDs - Nil Projects at Masters level – 4

Books Published/IPRs/Patents (With Details) : Nil

- Professional Membership :
- Consultancy Activities :Nil
- Awards :Nil
- Grants Fetched : Nil
- Interaction with Professional Institutions : Nil

Place: Pune
Date: 20 April 2022

AISSM'S INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Mr. Rahul NamdeoJadhav
- Designation : Assistant Professor
- Department : Electronics &Telecommunications
- Date of Joining the Institution : 10/06/2013
- Qualifications with Class/Grade : BE(E&TC)-68.66%- 1st Classwith distinction
  M.Tech(ETD)-7.12/8 -1st Classwith distinction
  PhD(E&TC)- Pursuing
- Total Experience in Years : Teaching 7.5 Years Industry -1.5 Years Research - 1 Year
- Papers Published : National - Nil International – 06
- Papers Presented in Conference : National - Nil International – Nil
- Ph.DGuide ? Give Field & University : NoField - University -
- PhDs / Projects Guided : PhDs -

Projects at Masters level – 1.GSM based prepaid water meter
Books Published/IPRs/Patents (With Details) :Nil

- Professional Membership : ISTE, IETE
- Consultancy Activities :Nil
- Awards :Nil

group of journals.

- Grants Fetched : Received grant of Rs. 3 Lakh for 2 years from ASPIRE SPPU
- Interaction with Professional : Eduskill certified trainer for Microchip AVR Microcontroller

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff :Ms.SuprriyaVikasLohar
- Designation : Assistant Professor
- Deprtment : E & TC Engineering
- Date of Joining the Institution : 6/01/2010
- Qualifications with Class/Grade : M.E. E& TC, First Class
- Total Experience in Years : Teaching - 16 years Industry - Nil Research - Nil
- Papers Published (journals) : National - 2 International – 4
- Papers Presented in Conference : National - 4 International – 18
- Ph.DGuide ? Give Field & University : NA
- PhDs / Projects Guided : No

Books Published/IPRs/Patents (With Details) : No

- Professional Membership : IETE & ISTE
- Consultancy Activities :No
- Awards :No
- Grants Fetched : No
- Interaction with Professional Institutions : No

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Ms.DeepaliMahendraYewale
- Designation : Assistant Professor
- Department : E & TC
- Date of Joining the Institution : 22/11/2010
- Qualifications with Class/Grade : ME First Class

  PhD Pursuing
- Total Experience in Years : Teaching -18yrs Industry - Research - 2yrs
- Papers Published : National -3 International – 16
- Papers Presented in Conference : National - 2 International – 4
- Ph.DGuide ? Give Field & University : Field - University -
- PhDs / Projects Guided : PhDs - Projects at Masters level –
  Books Published/IPRs/Patents (With Details) :
- Professional Membership : IETE, ISTE
- Consultancy Activities :
- Awards :
- Grants Fetched :
- Interaction with Professional Institutions : AIC-ADT Baramati Foundation

Place: Pune
Date: 20 April 2022

INSTITUTE OF INFORMATION TECHNOLOGY AISSMS * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Mr.Chandrakantkhewajibhange
- Designation : Assistant Professor
- Department : Electronics & Telecommunication
- Date of Joining the Institution : 18/07/2013
- Qualifications with Class/Grade : M.Tech/7.11

PhD Pursuing

- Total Experience in Years : Teaching - 12 .5 Industry - Research - 2
- Papers Published : National - International – 4
- Papers Presented in Conference : National - 2 International –
- Ph.DGuide ? Give Field & University : Field - NA University - NA
- PhDs / Projects Guided : PhDs - NA Projects at Masters level – NA

Books Published/IPRs/Patents (With Details) :NA

- Professional Membership : IETE and ISTE
- Consultancy Activities : NA
- Awards :NA
- Grants Fetched : NA
- Interaction with Professional Institutions : NA

Place: Pune
Date: 20 April 2022

AISSMS's INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Mrs.ArchanaSantoshUbale
- Designation : Assistant Professor
- Department : Electronics & Telecommunication
- Date of Joining the Institution : 09/06/2016
- Qualifications with Class/Grade : M.E.(First Class with Distinction), PhD(Pursuing)
- Total Experience in Years : Teaching -16 Industry - Research - 2
- Papers Published : National - International – 11
- Papers Presented in Conference : National - 0 International – 01
- Ph.DGuide ? Give Field & : Field – Wireless Sensor Network
  University – University Of Technology , Jaipur
- PhDs / Projects Guided : PhDs - Projects at Masters level –
  Books Published/IPRs/Patents (With Details) :
- Professional Membership : IETE, ISTE , BES
- Consultancy Activities :
- Awards :
- Grants Fetched :
- Interaction with Professional Institutions :

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff: Ms.HarshadaBhushanMagar
- Designation : Assistant Professor
- Department : E&TC
- Date of Joining the Institution : 09/06/2016
- Qualifications with Class/Grade : M.E Distinction PhD Pursuing
- Total Experience in Years : Teaching – 13 Yrs Industry - 01 Research - 2
- Papers Published : National - 01 International – 08
- Papers Presented in Conference : National - 03 International – 10
- Ph.DGuide ? Give Field & University : Field -NA University - NA
- PhDs / Projects Guided : PhDs -NA Projects at Masters level – NA
  Books Published/IPRs/Patents (With Details) : NIL
- Professional Membership : IETE,ISTE , BSI
- Consultancy Activities :NIL
- Awards : NIL
- Grants Fetched : 1.33 Lac for Antenna workshop(March 2018)
- Interaction with Professional Institutions : Nil

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PUIPN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Ms SandhyaOnkarAhire
- Designation : Assistant Professor
- Department : ENTC
- Date of Joining the Institution : 9June 2016
- Qualifications with Class/Grade : ME(ENTC) , Distinction , PhD pursuing
- Total Experience in Years : Teaching - 15 Industry - 01 Research - 01
- Papers Published : National - International – 09
- Papers Presented in Conference : National - International – 01
  - Ph.DGuide ? Give Field & : Field - NA University - NA
- PhDs / Projects Guided : PhDs - NA Projects at Masters level – NA

Books Published/IPRs/Patents (With Details) : NA

- Professional Membership : ISTE Membership LM116754 , BES (INDIA) AM-2977 , IETEM-501992
- Consultancy Activities :NA
- Awards :NA
- Grants Fetched : NA
- Interaction with Professional Institutions : YES

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Ms.ShobhikaPankajGopnarayan
- Designation : Assistant Professor
- Department : Electronics And Tele Communication
- Date of Joining the Institution : 9/6/2016
- Qualifications with Class/Grade : ME(MICROWAVE) – FIRST CLASS, PhD Pursuing
- Total Experience in Years : Teaching - 13 Industry - 0 Research –11 Months
- Papers Published : National - International – 3
- Papers Presented in Conference : National - 1 International – 2
- Ph.DGuide ? Give Field & University : Field - NA University - NA
- PhDs / Projects Guided : PhDs - NA Projects at Masters level – ---
  Books Published/IPRs/Patents (With Details) : ---
- Professional Membership : ISTE , IETE
- Consultancy Activities : ---
- Awards :----
- Grants Fetched : ---
- Interaction with Professional Institutions : 1. Signed MOU with Megha Embedded System Pune
  ---

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PNE/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Mr.Vikas Janardan Desai
- Designation : Assistant Professor
- Department : Electronics and Telecommunication

- Date of Joining the Institution : 29 July 2011
- Qualifications with Class/Grade : M-Tech (Distinction), PhD Pursuing.
- Total Experience in Years : Teaching – 10.5 years Industry - 4 Months

  Research – 2 year
- Papers Published : National - International – 6
- Papers Presented in Conference : National - International –
- Ph.D Guide ? Give Field & University : Field - University -
- PhDs / Projects Guided : PhDs - Projects at Masters level –

Books Published/IPRs/Patents (With Details) :Book 1

1. Microprocessor and Interfacing Techniques (Success Publication)

- Professional Membership : ISTE Member (LM94292)
- Consultancy Activities :
- Awards :
  - Gold in 45th , 46th ,47th Senior State Judo Competition in Academic year 2017-18
- Grants Fetched :
- Interaction with Professional Institutions :

Place: Pune
Date: 20 April 2022

INSTITUTE OF INFORMATION TECHNOLOGY AISSMS PUNE UoP Id. No. PUPNIEngg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Mr.SugatRamraoPawar
- Designation : Assistant Professor
- Department : Electronics and Telecommunication
- Date of Joining the Institution : 16/01/2012
- Qualifications with Class/Grade : M.Tech (Electronics)/ 7.79 Distinction , PhD pursuing
- Total Experience in Years : Teaching - 12 yrs 0 Months Industry - Research - 3
- Papers Published : National - International – 07
- Papers Presented in Conference : National - International –
- Ph.DGuide ? Give Field & University : Field - University -
- PhDs / Projects Guided : PhDs - Projects at Masters level –

Books Published/IPRs/Patents (With Details) :

- Professional Membership : IEEE
- Consultancy Activities :
- Awards :
- Grants Fetched :
- Interaction with Professional Institutions :

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Mrs.NilimaSatishWarade
- Designation : Assistant Professor
- Department : Electronics And Telecommunication
- Date of Joining the Institution : 18-07-2014
- Qualifications with Class/Grade : Ph.D. (Pursuing), M.E.(First Class) , B.E. (First Class)
- Total Experience in Years : Teaching – 11 yrs. Industry - Nil Research - Nil
- Papers Published : National - Nil International – 6
- Papers Presented in Conference : National - 4 International – 2
- Ph.D Guide? Give Field & University : Field - NA University - NA
- PhDs / Projects Guided : PhDs - NA Projects at Masters level – 2
- Books Published/IPRs/Patents (With Details) : Nil
- Professional Membership : ISTE, IEEE
- Consultancy Activities : Nil
- Awards : Nil
- Grants Fetched : Nil
- Interaction with Professional Institutions :

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff: Mrs.GeetaDhananjaySalunke
- Designation : Assistant Professor
- Department : Electronics & Telecommunication
- Date of Joining the Institution : 04/06/2013
- Qualifications with Class/Grade : ME Electronics _ Distinction, PhD pursuing
- Total Experience in Years : Teaching – 24.6 Industry - Research -
- Papers Published : National - International – 29
- Papers Presented in Conference : National - 2 International – Nil
- Ph.DGuide ? Give Field & University : Field - University -
- PhDs / Projects Guided : PhDs - Projects at Masters level –
- Books Published/IPRs/Patents (With Details) : Book 1
- Professional Membership : ISTE, IETE
- Consultancy Activities : Nil
- Awards : 1) Maharashtra GunijanRatnagauravPuraskar 2014
  2) RashtriyaSamajratnaPuraskar 2015
- Grants Fetched : Nil
- Interaction with Professional Institutions :

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Mr.AmolAvinashChaudhari
- Designation : Assistant Professor
- Department : Electronics and Telecommunication Engineering
- Date of Joining the Institution : 09/06/2016
- Qualifications with Class/Grade : M.E. E&TC (First Class with Distinction),
  B. E. Electronics (First Class)
  PhD pursuing
- Total Experience in Years : Teaching - 5 Industry - Nil Research - Nil
- Papers Published : National - Nil International – 02
- Papers Presented in Conference : National - Nil International – 06
- Ph.DGuide ? Give Field & : Field - Nil University – NilUniversity
- PhDs / Projects Guided : PhDs - Nil Projects at Masters level – Nil

Books Published/IPRs/Patents (With Details) :Nil

- Professional Membership : ISTE Membership, Membership No.:LM 122014
  IETE Membership
  IEEE student membership
- Consultancy Activities : Nil
- Awards :Nil
- Grants Fetched : Nil
- Interaction with Professional Institutions : Nil

Place: Pune
Date: 20 April 2022

ASSM's INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Dr. Sarika Amitraj Panwar
- Designation : Assistant Professor
- Department : Electronics and Telecommunication
- Date of Joining the Institution : 8/7/2019
- Qualifications with Class/Grade : BE(E&TC)-68.50%- 1st Class
  MTech(E&TC)-7.97-1st Class
  PhD(Electronics Engineering)
- Total Experience in Years : Teaching – 9 Years Industry -Nil Research - 5 Years
- Papers Published : National - International – 22
- Papers Presented in Conference : National - 2 International – 8
- Projects Guided : ME (4)
- Book Published : Basic Electronics Engineering, Online Examination, Gegatech Publications, Pune
- Patent Filed
  Automated Decision Support System (DSS) for Thyroid Malignancy Detection through USG. Application Number:201721046249A
  Automated Identification of Isolated and Overlapping Objects using Delaunay Triangulation. Application Number:201821010944A
- Professional Membership : ISTE& IEEE
- Consultancy Activities :
- Awards :
- Grants Fetched :
- Interaction with Professional :

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Mr. BhopaleSagarDhondiram
- Designation : Assistant Professor
- Department : Electronics and Telecommunication
- Date of Joining the Institution : 09.06.2019
- Qualifications with Class/Grade : BE, M.E. (Electronics) I Class
- Total Experience in Years : Teaching - 11.5 Industry - 0 Research - 0
- Papers Published : National - 02 International – 06
- Papers Presented in Conference : National - 00 International – 00
- Ph.DGuide ? Give Field & University : NA
- PhDs / Projects Guided : NA

Books Published/IPRs/Patents (With Details) : NA

- Professional Membership : No
- Consultancy Activities :NO
- Awards : No
- Grants Fetched : No
- Interaction with Professional Institutions : Organized workshops, Webinars and seminars for students

Place: Pune
Date: 20 April 2022

AISSM'S INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : JagtapSagarSatyawan
- Designation : Assistant Professor
- Department : Instrumentation
- Date of Joining the Institution : 17/06/2015
- Qualifications with Class/Grade : ME FIRST CLASS
- Total Experience in Years : Teaching - 10 Industry - Research -
- Papers Published : National - 1 International –
- Papers Presented in Conference : National - 1 International –
- Ph.DGuide ? Give Field & University : Field - University -

- PhDs / Projects Guided : PhDs - Projects at Masters level –

Books Published/IPRs/Patents (With Details) :

- Professional Membership : ISTEE , IEEE STUDENT MEMBERSHIP
- Consultancy Activities :
- Awards :
- Grants Fetched : 3.00 LAKH (SPPU ASPIRE 2019-21)

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Mrs.Shahinaj Faijulal Mulla
- Designation : Assistant Professor
- Department : Electronics and Telecommunication Engineering
- Date of Joining the Institution : 27/09/2021
- Qualifications with Class/Grade : M.E. E&TC (First Class with Distinction), B. E. Electronics (First Class)
- Total Experience in Years : Teaching - 5 Industry - Nil Research - Nil
- Papers Published : National - Nil International – 02
- Papers Presented in Conference : National - Nil International – Nil
  - Ph.DGuide ? Give Field & : Field - Nil University – NilUniversity
- PhDs / Projects Guided : PhDs - Nil Projects at Masters level – Nil
  Books Published/IPRs/Patents (With Details) :Nil
- Professional Membership : Nil
- Consultancy Activities : Nil
- Awards :Nil
- Grants Fetched : Nil
- Interaction with Professional Institutions : Nil

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PNE/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Dr. Shashikant Madhukar Bakre
- Designation : Associate Professor
- Department : Electrical Engineering
- Date of Joining the Institution : 15-07-2019
- Qualifications with Class/Grade : B.E.(Electrical),First Division
  M.E. (Electrical Power systems),First Division,
  Ph.D. (Engineering &Technology)
- Total Experience in Years : Teaching - 04 Industry - 35 Research - nil
- Papers Published : National - 15 International – 30
- Papers Presented in Conference : National - 07 International – 18
- Ph.D. Guide . Give Field & : Field - 1University - Jain University- Bangalore
- PhDs / Projects Guided : PhDs - 2, Projects at Masters level – 6
- Books Published/IPRs/Patents (With Details) :
  1. 13 books are authored and published
  2. Patenton harmonic measurements is filed. Final debate in December 2029.
- Professional Membership - : IEI, IETE
- Consultancy Activities - : 05
- Awards :nil
- Grants Fetched : nil

Interaction with Professional Institutions : Yes – MSETCL/ PES's Modern College of Engineering-Pune/JSPM-Tathawade/AISSMS College of Management

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- ❖ Name of the Teaching Staff :Dr. Ashpana Dilawar Shiralkar
- ❖ Designation : Associate Professor
- ❖ Department : Electrical
- ❖ Date of Joining the Institution : 07/10/2002
- ❖ Qualifications with Class/Grade : PhD., BE(Electrical)/Distinction, ME(Control Systems)/Distinction
- ❖ Total Experience in Years : Teaching -20, Industry -NIL, Research- 01(Research Fellow)
- ❖ Papers Published : National - 04 International – 14
- ❖ Papers Presented in Conference : National -01 International – 06
- ❖ Ph.D Guide ? Give Field & University : Field - NA University -
- ❖ PhDs / Projects Guided : PhDs - NA Projects at Masters level – 05
- ❖ Books Published/IPRs/Patents (With Details) : NIL
- ❖ Professional Membership : IEEE, LMISTE, IEI, IAENG
- ❖ Consultancy Activities :NIL
- ❖ Awards : 1) First Rank in ME(Control Systems) in 2000 by University of Pune
  2) Counselor of the Year 2018, IEEE Student Branch, by IEEE Pune Section
  3) Outstanding Student Branch Counselor 2021, by IEEE Pune Section.
  4) State level Vishesh Sevashree Purskar 2021(Education Sector) by Business Express Shree Foundation, Sangli.
- ❖ Grants Fetched :1) Research grant of Rs. 2 Lakh from BCUD,SPPU,Pune
  2) Travel grant Rs. 60303/- from BCUD,SPPU,Pune
- ❖ Interaction with Professional Institutions : IIT Madras, IIT Roorkee, IIT Bombay, COEP, CME Pune, CME Pune ,CME Hydrabad, TCS Pune

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Mr. Sachin Vitthal Shelar
- Designation : Assistant Professor
- Department : Electrical Engineering
- Date of Joining the Institution : 01/07/2000
- Qualifications with Class/Grade : ME Electrical (Power Systems) – Fist class with Distinction
- Total Experience in Years : Teaching - 21 Industry - 03 Research - 10
- Papers Published : National - 06 International – 18
- Papers Presented in Conference : National - 03 International – 03
- Ph.D Guide ? Give Field & University : Field - NA University -
- PhDs / Projects Guided : PhDs - NA Projects at Masters level – 04
  Books Published/IPRs/Patents (With Details) : 03(Power Systems II - Technical Publications, Design of Electrical Machines (Pune University) - Tech Max Publication, Pune, Design of Electrical Machines (Gujarat Technical University) - Tech Max Publication, Pune)
- Professional Membership : ISTE, IE(I), CEEAMA
- Consultancy Activities :
  - Offering Consultancy in Power Quality Area –
    - Power Quality Training
    - Power Quality Audit
    - Harmonic audit as per IEEE 519-2014
    - Reactive Power Audit (Power factor and KVAH Control)
    - Transient Audit
    - Electricity Bill Analysis
    - Energy Management System Support
    - PQ Monitoring Support
- Awards
  :-- Pune University first rank in BE
- Grants Fetched :
  - 3000 GBP UKIERI Grant
  - 1 Lakh SPPU BCUD grant to purchase equipment
  - 12 Lakh AICTE MODROB grant
  - 25 Lakh from Smt. Mira D. Tagare
- Interaction with Professional Institutions :

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- ❖ Name of the Teaching Staff : Mr.Sandeep Motilal Chaudhari
- ❖ Designation : Assistant Professor
- ❖ Department : Electrical Engineering
- ❖ Date of Joining the Institution : 02/08/1999
- ❖ Qualifications with Class/Grade : ME Electrical-Control Systems –First Class
- ❖ Total Experience in Years : Teaching - 21 Industry - Research -
- ❖ Papers Published : National - 02 International – 15
- ❖ Papers Presented in Conference : National - 01 International –
- ❖ Ph.D Guide ? Give Field & University : Field - University -
- ❖ PhDs / Projects Guided : PhDs - Projects at Masters level –

Books Published/IPRs/Patents (With Details) : About 50 Different titles including Books for following Universities and Diploma Courses-

- ❖ Professional Membership : Indian Society for Technical Education (ISTE) Life Member
  Indian Society of Lighting Engineers (ISLE)
- ❖ Consultancy Activities :1) Training to Industrial Persons-Romax Company Pvt Ltd-Refresher course about Electrical Fundamentals ang Electrical Machines
- ❖ Awards : Best Teacher Award (3rd Rank)-2017-18 by AISSMS
  Best Teacher Award (3rd Rank)-2018-19 by AISSMS
  Best GFM Award
  Best Website Suggestion Award
  Best Feedback Appreciation
- ❖ Grants Fetched : i) For special practical conduction in High Voltage Engineering Lab and Switchgear and protection Lab about Rs.50,000/- from various Engineering Institutes
  ii) Training for Romax Pvt Ltd industry persons –Rs 10000/-
- ❖ Interaction with Professional Institutions :
  I)Interaction with Orbittal Electromech ,use of Lite Pack Software for Illumination Scheme design Projects
  II) ISLE- Formation of ISLE Students Chapter at Department
  III) Romax Pvt Ltd for training –Refresher Course

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1995

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff :Mrs. Krutuja Shrikrishna Gadgil
- Designation :Assistant Professor
- Department :Electrical
- Date of Joining the Institution :01/07/2002
- Qualifications with Class/Grade : ME (Electrical – Power System) /First Class PhD Pursuing
- Total Experience in Years : Teaching - 19 years Industry - Nil Research - Nil
- Papers Published : National - 00 International – 08
- Papers Presented in Conference : National - 07 International – 00
- Ph.D Guide ? Give Field & University : Field - NA University - NA
- PhDs / Projects Guided : PhDs - NA Projects at Masters level – 04
- Books Published/IPRs/Patents (With Details) :01)Power system operation and control for BE Electrical Sem ISPPU , Pune – Technical Publication ISBN 9789333211536
- Professional Membership : LM ISTE 67650
- Consultancy Activities :1) Power Quality practical conduction for BE Electrical Students of Someshwar College of Engineering, Baramati .
  2) Training for basic electrical engineering for EV Driveline ofROMAX technology
- Awards : 04
- Grants Fetched :1) Rs. 25000/- from MNES for REC
  2) Rs.25000/- from CSIR
  3)Rs . 1,00554/- from SPPU, Pune
- Interaction with Professional Institutions :
  1) A discussion forum on SCOPE OF ILLUMINATION ENGINEERING with ISLE
  2)Discussion on Super capacitors and Chargers -OptiXtal India Energy solutions

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Mr. Saurabh Sumant Shingare
- Designation : Assistant Professor
- Department : Electrical Engineering
- Date of Joining the Institution : 07/08/2006
- Qualifications with Class/Grade : M.E. Electrical (Power Systems) – First Class
- Total Experience in Years : Teaching – 18 years Industry - Research -
- Papers Published : National - International – 26
- Papers Presented in Conference : National - 03 International – 01
- Ph.DGuide ? Give Field & University : Field - University -
- PhDs / Projects Guided : PhDs - Projects at Masters level – 01

Books Published/IPRs/Patents (With Details) :03

- Professional Membership : Indian Society for Technical EducationLife Member
- Consultancy Activities :
- Awards : 03
- Grants Fetched : For special practical conduction in Switchgear and Protection laboratory from various Engineering Institutes.
- Interaction with Professional Institutions :

Place: Pune
Date: 20 April 2022

AISSMS's INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- ❖ Name of the Teaching Staff : Mrs. Landge Shubhangi Sudhir
- ❖ Designation : Assistant Professor
- ❖ Department : Electrical Department
- ❖ Date of Joining the Institution : 06/08/2007
- ❖ Qualifications with Class/Grade : ME/ First Class
  B. Tech/ Distinction.
- ❖ Total Experience in Years : Teaching - 17 Industry - 0 Research - 0
- ❖ Papers Published : National - 08 International – 11
- ❖ Papers Presented in Conference : National - 00 International – 03
- ❖ Ph.D Guide ? Give Field & University : Field - 0 University -0
- ❖ PhDs / Projects Guided : PhDs - Projects at Masters level – 04

Books Published/IPRs/Patents (With Details) : 4
01)Power system operation and control for BE Electrical Sem ISPPU , Pune – Technical Publication ISBN 9789333211536.

02)**Power System Analysis And Simulation** for Gujarath Technological university, Tech-Max Publication, Pune. Date of publication –July 2014. ISBN-978-93-5077-627-8.

03)**Power System Analysis** for Mumbai University, Tech-Max Publication, Pune. Date of publication – March 2015. ISBN - 978-93-5077-960-6.

04) **Power System Analysis-II** for Gujarath Technological university, Tech-Max Publication, Pune . Date of publication –January 2016. ISBN- 978-93-5077-627-8.

- ❖ Professional Membership :
  1. ISTE-LM52810
  2. IEI-AM1630310
- ❖ Consultancy Activities : --
- ❖ Awards :--
- ❖ Grants Fetched : --
- ❖ Interaction with Professional Institutions : --

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PUIPN/Engg 124/1995

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- ❖ Name of the Teaching Staff : Mr. Vijaykumar Shankar Kamble
- ❖ Designation : Assistant Professor
- ❖ Department : Electrical Engineering
- ❖ Date of Joining the Institution : 16th March 2009
- ❖ Qualifications with Class/Grade : ME Electrical (Power System) First Class, PhD Persuing
- ❖ Total Experience in Years : Teaching - 23 Industry - Nil Research - Nil
- ❖ Papers Published : National - Nil International – 23
- ❖ Papers Presented in Conference : National - Nil International – 02
- ❖ Ph.D Guide ? Give Field & University : Field - NA University - NA
- ❖ PhDs / Projects Guided : PhDs - NA Projects at Masters level – 02
- ❖ Books Published/IPRs/Patents : Electrical Technology, Electrical Engineering For SY Mech, SY ETC, MSBTE Vision Publications, Pune.
- ❖ Professional Membership : ISTE (LM 30577), IEI (M-1704103)
- ❖ Consultancy Activities : Nil
- ❖ Awards : Nil
- ❖ Grants Fetched : Nil
- ❖ Interaction with Professional Institutions : Nil

Place: Pune
Date: 20 April 2022

INSTITUTE OF INFORMATION TECHNOLOGY * AISSMS * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- ❖ Name of the Teaching Staff : Ms.Saba Kausar M Shaikh
- ❖ Designation : Assistant Professor
- ❖ Department : Electrical Engineering
- ❖ Date of Joining the Institution : 06/07/2009
- ❖ Qualifications with Class/Grade : M.Tech(Power System)/Distinction/8.55, Pursuing Ph.D
- ❖ Total Experience in Years : Teaching – 14 Industry - 02 Research - NA
- ❖ Papers Published : National - 0 International – 13
- ❖ Papers Presented in Conference : National - 0 International – 02
- ❖ Ph.D Guide ? Give Field & University : Field - NA University - NA
- ❖ PhDs / Projects Guided : PhDs - NA Projects at Masters level – 01
- ❖ Books Published/IPRs/Patents (With Details) : 05
- ❖ Professional Membership : ISTE – Life Member - LM 67653, IEI Member M-157483-8
- ❖ Consultancy Activities :

Title of Consultancy Work	Client	Earlier Amount	Period	Main or Consultant
"Corona Discharge in Cylindrical Cage".	Universal College of Engineering & Research, Pune	1200/-	2015-16	Main consultant
High Voltage Engineering Practicals conducted	Universal College of Engineering & Research, Pune	10000/-	2014-15	Main consultant
Material Science practical Conducted	Someshwar College of Engineering – Baramati.	30000/-	2017-18	Main consultant
Consultancy for project work "Design and Fabrication of Tesla Coil for High Frequency High Voltage generation"	G H Raisoni Institute of Technology	16000/-	2018-19	Main consultant

- ❖ **Awards** : **1)Cambridge International Certificate for Teachers and Trainers-** This certificate has been awarded by University of Cambridge International Examinations for achieving required standard (Distinction)in the following units: Developing a new teaching approach Facilitating active learning Reflecting on practice. **2)Gold Medal in Electrical Power in DEE**
3) Sixth Rank in Pune University in TE. 4) Topped the NPTEL course with 87% and"Elite+Silver" certificate in 2020.

Place: Pune
Date: 20 April 2022

INSTITUTE OF INFORMATION TECHNOLOGY A/SSMS PUNE UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

- Grants Fetched : Nil
- Interaction with Professional Institutions :

Details	Client	Period
Coordinated the work of six groups for problems like Harmonic Analysis of the entire company, Evaluation and Minimization of Distribution Losses and Design of Distribution System.	Vishay Component Pvt.Ltd.	2014-15 and 2015-16
Had developed a Corona Cage for High Voltage Lab. of my college. This technology was then shared with Universal College.	Universal College of Engineering and Research-Pune	2015-16
Students of GPP visited our institute High Voltage Lab. The different equipment and the theory related to it was explained in detail to these students by me.	Government Polytechnic Pune (GPP)	2012-13
Was called as a resource person for delivering an expert lecture to the final year engineering students in High Voltage Engg. in the other college of same management.	AISSMS College of Engineering (COE)- Pune	2013-14 and 2014-15
Invited as resource person for lecture on NAAC process	Someshwar College of Engineering.	2019-20
Under PQ Cell activities visited many Industries.		2018-20

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- ❖ Name of the Teaching Staff : Mrs. Vaishali Amol Yawale (V.P Kuralkar)
- ❖ Designation : Assistant Professor
- ❖ Department : Electrical
- ❖ Date of Joining the Institution : 1/10/2008
- ❖ Qualifications with Class/Grade : MTech (Power system)with distinction , PhD Pursuing
- ❖ Total Experience in Years : Teaching -13Yrs Industry - NA Research - NA
- ❖ Papers Published : National - -- International – 11
- ❖ Papers Presented in Conference : National -05 International – 01
- ❖ Ph.DGuide ? Give Field & University : Field –NA University - NA
- ❖ PhDs / Projects Guided : PhDs - NA Projects at Masters level – NA

Books Published/IPRs/Patents (With Details) :NA

- ❖ Professional Membership : ISTE (LMISTE 67652) , ISLE (Associate A.1394), M-1704170(IEI)
- ❖ Consultancy Activities : NA
- ❖ Awards : NA
- ❖ Grants Fetched : Rs. 1,21,326/- from SPPU

Interaction with Professional :
1)discussion forum on SCOPE OF ILLUMINATION ENGINEERING with ISLE
2)Discussion on Super capacitors and Chargers -OptiXtal India Energy solutions

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1993

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- ❖ Name of the Teaching Staff : Mr. Prashant Prakash Mahajan
- ❖ Designation : Assistant Professor
- ❖ Department : Electrical Engineering
- ❖ Date of Joining the Institution : 18/07/2013
- ❖ Qualifications with Class/Grade :
- ❖ Total Experience in Years : Teaching -18 Industry -04 Research -
- ❖ Papers Published : National - International – 17 (Journal papers)
- ❖ Papers Presented in Conference : National - International –
- ❖ Ph.D Guide ? Give Field & University : Field - University -
- ❖ PhDs / Projects Guided : PhDs - Projects at Masters level –
- Books Published/IPRs/Patents (With Details) :
- ❖ Professional Membership : ISTE
- ❖ Consultancy Activities : Romax Technologies Pune (Lecture Series)
- ❖ Awards :-
- ❖ Grants Fetched : Skill and personality development Centre 8,46,411 (Co-Coordinator) Year-2019
- ❖ Interaction with Professional Institutions :

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : MS. Sujata Nilesh Powniker
- Designation : AssistantProfessor
- Department : Electrical Engineering Department
- Date of Joining the Institution : 8/6/2015
- Qualifications with Class/Grade : ME Electrical (Power Electronics & Drives) Distinction
- Total Experience in Years : Teaching - 8.5 Industry - 5 Research -
- Papers Published : National - 3 International – 0
- Papers Presented in Conference : National - 2 International – 0
- Ph.DGuide ? Give Field & University : Field - University - NA
- PhDs / Projects Guided : PhDs - NA Projects at Masters level –
- Books Published/IPRs/Patents (With Details) : Nil
- Professional Membership : ISTE, IMA
- Consultancy Activities : NA
- Awards :Best paper award in IEEE 2016 WIECON
- Grants Fetched : NA
- Interaction with Professional Institutions : ISTE,IEEE

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- ❖ Name of the Teaching Staff : Mr. Sandip Dnaynu Raste
- ❖ Designation : Assistant Professor
- ❖ Department : Electrical Engineering
- ❖ Date of Joining the Institution : 10.06.2019
- ❖ Qualifications with Class/Grade : M.Tech (Electrical Power Sytem) First Class Distinction
- ❖ Total Experience in Years : Teaching -08 Industry - 02 Research - Nil
- ❖ Papers Published : National - 0 International – 03
- ❖ Papers Presented in Conference : National - 0 International – 0
- ❖ Ph.DGuide ? Give Field & : Field - University - NA
- ❖ PhDs / Projects Guided : PhDs - NA Projects at Masters level – NA
- ❖ Books Published/IPRs/Patents (With Details) : Nil
- ❖ Professional Membership : International Association of Engineers (IAENG)
- ❖ Consultancy Activities :PQ Cell-Mahesh SpinningMill, Hatkangle, Kolhapur

  27-28th june,2019
- ❖ Awards : Nil
- ❖ Grants Fetched : Nil
- ❖ Interaction with Professional Institutions : Nil

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- ❖ Name of the Teaching Staff : Dr. Dipali Rohit Shende
- ❖ Designation : Associate Professor
- ❖ Department : Instrumentation Engineering
- ❖ Date of Joining the Institution : 10/08/2006
- ❖ Qualifications with Class/Grade : Ph.D (Process control)
- ❖ Total Experience in Years : Teaching - 15 yrs Industry - 1yr. Research - 05
- ❖ Papers Published : National - 1 International – 20
- ❖ Papers Presented in Conference : National - 07 International – 07
- ❖ Ph.D Guide ? Give Field & University : Field - NA University - NA
- ❖ PhDs / Projects Guided : PhDs - NA Projects at Masters level – NA

Books Published/IPRs/Patents (With Details) : Nil

- ❖ Professional Membership : IETE, ISTE, ISOI, ISA
- ❖ Consultancy Activities : Nil
- ❖ Awards : 1) 'Gunvant Adhyapak Puraskar' (Best teacher award), Pune University, 2011.

  2) Best paper presented award in national conference.
- ❖ Grants Fetched : 1) MODROB (2016), AICTE- Rs. 6,59,000.00
  2) BCUD (2007-2008), Rs. 1,50,000.00
  3) MODROB (2018), AICTE- Rs. 9,50,000.00
- ❖ Interaction with Professional :

1. Imitative taken for sponsorship of DeltaV DCS from Emerson Export Engg. Center.
2. Co-ordinated and Initiated for Nanyang Technological University, Singapore (NTU-India) India Connect program, students are applied for said program under my guidance, 2017.
3. Initiative taken for Global Internship program for students, organized many seminars of faculties from Singapore and as a result student started with internship in National university of Singapore, 2015 to till date.
4. Organized Seminar on "Global Academic Internship programmed (GAIP) to be conducted at Nanyang Technological university", (NTU), Singapore by Mr. Rajesh Panda,12/2/18.
5. Organized seminar on 'Sustainable renewable energy' by managing Partner, Edu Energy Consultants LLP, Singapore.
6. Attended workshop on INSEADAI- Artificial Intelligence and machine learning Fest organized by Business school of the world ,Singapore (4/12/17 to 6/12/17).

Place: Pune
Date: 20 April 2022

INSTITUTE OF INFORMATION TECHNOLOGY AISSMS PUNE UoP Id. No PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

7. Attended open house in National Institute of Engineering, Singapore on "Graduate and professional learning" at 18th April 2015.
8. Visited "NE water" treatment plant for new technologies implemented, Singapore, at 1/4/15.



- ❖ Name of the Teaching Staff : Mr.Hemant Pandurang Chaudhari
- ❖ Designation : Assistant Professor
- ❖ Department : Instrumentation Engineering
- ❖ Date of Joining the Institution : 02/07/2001
- ❖ Qualifications with Class/Grade : M. Tech. First Class 70%
- ❖ Total Experience in Years : Teaching –23yrs Industry - 01 yr. Research -
- ❖ Papers Published : National - International journal – 15
- ❖ Papers Presented in Conference : National - International – Nil
- ❖ Ph.D Guide ? Give Field & University : Field - University - Nil
- ❖ PhDs / Projects Guided : PhDs - Projects at Masters level – Nil

Books Published/IPRs/Patents (With Details) : Nil

- ❖ Professional Membership : 1. Indian Society for Technical Education (ISTE)
  2. Instrument Society of India (ISOI)
- ❖ Consultancy Activities : Nil
- ❖ Awards : "Lal C Verman" National award by IETE for the year 2017.
- ❖ Grants Fetched : Rs. 12,00,000/- Forbes Marshall Pvt. Ltd. Pimpri sponsored the "Flow-Level Laboratory with DCS System".
- ❖ Interaction with Professional institutions : Forbes Marshall Pvt. Ltd, Pimpri, Pune

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Dr. Amita Aniruddhe Shinde
- Designation : Head and Assistant Professor
- Department : Instrumentation
- Date of Joining the Institution : 03/09/2007
- Qualifications with Class/Grade : PhD
- Total Experience in Years : Teaching - 14 Industry - 1.5 Research - 04
- Papers Published : National - Nil International – 20
- Papers Presented in Conference : National - Nil International – 03
- Ph.D Guide ? Give Field & University : Field - NA University - Na
- PhDs / Projects Guided : PhDs - NA Projects at Masters level – NA
- Books Published/IPRs/Patents (With Details) : Nil
- Professional Membership : ISTE, ISOI,ISA
- Consultancy Activities : Nil
- Awards : Best paper presentation award at 2017 IEEE International Conference on Signal and Image Processing, Singapoor, August 2017.
- Grants Fetched : BCUD Rs. 1,00,000.00 Duration : 2016-18
- Interaction with Professional : Made MoU between Beckhoff Automation and InstitutionsAISSMS IOIT Instrumentation department.

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1996

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Dr. Mrs. Vandana Vishwanathrao Kale
- Designation : Assistant Professor
- Department : Instrumentation and Control Engineering
- Date of Joining the Institution : 29/12/2009
- Qualifications with Class/Grade : M.Tech with CGPA 7.44
- Total Experience in Years : Teaching – 12 years Industry - Nil Research - 06
- Papers Published : National - 01 International – 11
- Papers Presented in Conference : National - Nil International –Nil
- Ph.D Guide ? Give Field & University : Field -Nil University - Nil
- PhDs / Projects Guided : PhDs -Nil Projects at Masters level – Nil
  Books Published/IPRs/Patents (With Details) : Nil
- Professional Membership : Indian Society for Technical Education (ISTE), Instrument Society of India (ISOI)
- Consultancy Activities :Nil
- Awards : Nil
- Grants Fetched : Nil
- Interaction with Professional Institutions :

1] Organized industry mentor session for T.E. Instrumentation students on 05/02/2016. It was conducted by Mr. Ramani Iyer

2] Organized mock interview of BE students on 01/04/16. It was conducted by Mr. C.S.Dhamnakar, Mr. Ramani Iyer, Mr.J.G.Bapat and Mr.Deepak Vyawahare.
3] Organized industry mentoring session on 22/07/16 conducted for T.E. Instrumentation. It was conducted by Mr.Ramani Iyer, Mr. J.G. Bapat, Mr. Madhav Kane, Mr.Vishwas Kale, Mrs. Sujata Tilak .
4] Organized intercollegiate paper presentation event for SE,TE,BE students on 19/01/17.
5] Organized expert lecture by Mr. Sandeep Shroff, Founder, CEO at AutoIntell Services for TE students on "Job Opportunities available in IIOT" on 17/03/2017
6] Organized expert lecture on "Internet of Things: Introduction, Architecture, Challenges, Applications" by Mrs. Sujata Tilak, Managing Director, Ascent Intellimation for SE and TE students on 21/03/2017

7] Organized Expert lecture on "Industry 4.0" by Mr. Vinod Joshi, Marketing Head Forbes Marshall, Pune SE TE BE Instrumentation Engineering students on dated 26/08/2019

8] Organized Intercollegiate 'Technical poster presentation event' on 11/02/2020. The event was judged by Mr. Ravi Makanikar, National Sales & Marketing Manager at Zenith Technologies; Mr. H.S.Pansare,

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1995

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

Managing Director at Logicon Technosolutions Private and Mr. Vinod Joshi, Marketing Head Forbes Marshall

9] Organized webinar on "Civil Service Examination: Information and Approach needed". It was conducted by Prajakta Thakur, Deputy Commissioner of Income Tax, Kolhapur on 06/06/2020.

10] Organized webinar on "Job opportunities in Instrumentation Engineering and Higher Studies in the U.S.". It was conducted by Mr. Rohit Ghole, Business Intelligence Engineer, Amazon.com, Seattle, Washington on 27th July 2020.

11] Organized technical mock interview session for final year students on 19/08/2020. The mock interview was conducted by Mr. Waman Sanap, Founder and Director, iPAC Automation Pvt. Ltd, Pune.

12] Organized webinar on "Safety in Instrumentation and Control" on 02/11/2020. It was conducted by Mr. Amit Saxena, Founder, Alliance Solutions, Pune.

13] Organized workshop on 'IoT using Python' from 12/02/2020 to 14/02/2020. It was conducted by Mr. Tushar Kute, Mr. Aniket Thorave, Mituskillologies, Pune.

14] Organized webinar on "Artificial Intelligence in Medical Field: Research and Job opportunities" on 2 July 2020. It was conducted by Dr. Bhushan D. Patil, Lead Scientist, GE Healthcare.

15] Organized webinar on "German Education System and Exam Guidance". It was conducted by Mr. Shripad Kenekar, Automatisierungstechnick Ingenieur, Stuttgart, Baden-Württemberg, Germany on 09/08/2020.

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Mrs. Kulkarni Sheetal Vijay
- Designation : Asst. Professor
- Department : Instrumentation Engineering
- Date of Joining the Institution : 06/07/2009
- Qualifications with Class/Grade : M. Tech / First Class
- Total Experience in Years : Teaching –12.5 Industry - Nil Research - Nil
- Papers Published : National –Nil International – 23
- Papers Presented in Conference : National – Nil International –01
- Ph.D Guide ? Give Field & University : Field - Nil University - Nil
- PhDs / Projects Guided : PhDs - Nil Projects at Masters level – Nil
  Books Published/IPRs/Patents (With Details) : Nil
- Professional Membership : ISTE
- Consultancy Activities :Nil
- Awards : Nil
- Grants Fetched : [1] AICTE- MODROB –Biomedical Instrumentation Laboratory (Rs. 6,59,000/-)
- Interaction with Professional Institutions : Nil

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Mr.Jitendra Anand Khubani
- Designation : Assistant Professor in Instrumentation Engineering
- Department : Instrumentation Engineering
- Date of Joining the Institution : 05/08/2019
- Qualifications with Class/Grade :
  1. Diploma in Industrial Electronics Engineering with 75.85%
  2. Bachelor of Engineering (B.E.in Biomedical Engineering) with 61.46%
  3. Master of Engineering (M.E. in Instrumentation & Control (Process Instrumentation)) with 8.52 Grade
- Total Experience in Years : Teaching –5.4 Industry - 5.5 Research -0
- Papers Published : National - 00 International – 06
- Papers Presented in Conference : National -00 International – 01
- Ph.D Guide ? Give Field & University : Field -Nil University - Nil
- PhDs / Projects Guided : PhDs - Nil Projects at Masters level – Nil

Books Published/IPRs/Patents (With Details): Nil

- Professional Membership : Nil
- Consultancy Activities : Nil
- Awards :Nil
- Grants Fetched : Nil
- Interaction with Professional Institutions : Nil

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Dr.Badri Narayan mohapatra
- Designation : Assistant Professor
- Department : Instrumentation & Control
- Date of Joining the Institution : 26/06/2018
- Qualifications with Class/Grade : Mtech 1st Class, Ph.D. (Thesis Submitted)
- Total Experience in Years : Teaching - 15 Industry - Nil Research - 06
- Papers Published : National - Nil International – 27
- Papers Presented in Conference : National - 01 International – 04
- Ph.D Guide ? Give Field & University : Field - Nil University - Nil
- PhDs / Projects Guided : PhDs - Projects at Masters level –
  Books Published/IPRs/Patents (With Details) : Nil
- Professional Membership : ISI (Instrumentation Society Of INDIA)[ID No-2222]
- Consultancy Activities : Nil
- Awards : Nil
- Grants Fetched : Nil
- Interaction with Professional Institutions : Nil

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Mr. Kale Shashikant Rangnathrao
- Designation : Assistant Professor
- Department : Instrumentation
- Date of Joining the Institution : 26/10/2020
- Qualifications with Class/Grade : M.Tech FIRST CLASS
- Total Experience in Years : Teaching - 7 Y Industry - 0.5Y Research - 3.5Y
- Papers Published : National - International – 5
- Papers Presented in Conference : National - International – 3
- Ph.D Guide ? Give Field & University : Field - University -
- PhDs / Projects Guided : PhDs - Projects at Masters level –

Books Published/IPRs/Patents (With Details) :

- Professional Membership : ISTEE , IEEE STUDENT MEMBERSHIP
- Consultancy Activities :
- Awards :
- Grants Fetched :
- Interaction with Professional Institutions :

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PUPN/Engg 124/1998

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Mrs. Chitralekha Deepak Rananaware
- Designation : Assistant Professor
- Department : Instrumentation
- Date of Joining the Institution : 16/12/2021
- Qualifications with Class/Grade : ME First class
- Total Experience in Years : Teaching - 1Y Industry - 0 Research - 0
- Papers Published : National -2 International – 1
- Papers Presented in Conference : National - 0 International – 0
- Ph.D Guide ? Give Field & University : Field - NA University - NA
- PhDs / Projects Guided : PhDs - Projects at Masters level –

Books Published/IPRs/Patents (With Details) :

- Professional Membership : NA
- Consultancy Activities :-
- Awards : -
- Grants Fetched : -
- Interaction with Professional Institutions : -

Place: Pune
Date: 20 April 2022

INSTITUTE OF INFORMATION TECHNOLOGY AISSMS PUNE UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- ❖ Name of the Teaching Staff : Dr. Yogesh P. Patil
- ❖ Designation : Associate Professor
- ❖ Department : Engineering Sciences/First Year Engineering
- ❖ Date of Joining the Institution : 29/07/2005
- ❖ Qualifications with Class/Grade : B.Sc. I M.Sc. B+ Ph.D.
- ❖ Total Experience in Years : Teaching - 22 Industry - 00 Research - 02
- ❖ Patent : Applied - 08 Published - 05 Granted 01
- ❖ Papers Published : National - 01 International – 25
- ❖ Papers Presented in Conference : National - 14 International – 15
- ❖ Ph.D Guide Give Field : Field - Chemistry University - SPPU University

  Field: Chemistry University- Arunodaya University
- ❖ PhDs / Projects Guided : PhDs - Projects at Masters level –

Books Published/IPRs/Patents (With Details) : Patent

a. AUTOMATED APPARATUS FOR WASTE SEGREGATION Application No. 202121041701 A Date of filing of Application :15/09/2021 (43) Publication Date : 29/10/2021
b. IoT based power theft detection and monitoring system, application no. 202021006665 dated 16/02/2020 (PUBLISHED)
c. Non hazardous waste sanitary pad decomposition system application no. 202021006596 dated 14/02/2020 (PUBLISHED)
c. Soil sampler and tester, *application no. 201921027868* dated 11/07/2019
d. Automated gate design for metered water supply through reservoir application no. 201921004758 dated 06/02/19
e. Economical and portable attendance marking device for academic application *application no. 201921001360* dated January 11, 2019
f. Superconductor based electromagnetic propulsion system *application no. 201821018421* dated May 17, 2018

AISSMS'S INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

Books

Yogesh Patil, (2010) Monograph: 'Biodiesel, My Perspectives' LAP LAMBERT Academic Publishing AG & Co. KG, (Germany) ISBN 978-3-8433-5124-9

- Professional Membership : LMISTE 67646
  IEEE 95337099
  Marathi Vjnyan Parishad
  LMTTA (Technology Transfer Association)
  LMSMC (Society for Materials Chemistry)

- Consultancy Activities : Green Audit, Water Testing, Soil Testing

❖ Awards :

1) UGC-JRF in Engineering and Technology during 2000-2002,
2) CM Funded Sane Guruji Fellowship during 1997-99
3) Recipient of prestigious award "Recognition of Excellency" on the occasion of SHAHU JAYANTI – 2019.
4) "Best Researcher Award – 2019" by VDGOOD
5) "Best Faculty Award - 2021" by VDGOOD
6)

Grants Fetched :

Sr. No	Amount (INR/USD)	Project	Funding Agency	Academic Year
1	Rs.125,000/-	Ag Nano Based antibacterial Composites	B.C.U.D. University of Pune	2009 - 10
2	Rs 25,000/-	Social services	N.S.S. & S.W.O. University of Pune	2007 – 08
3	Rs 25,000/-	Social services	N.S.S. & S.W.O. University of Pune	2007 – 08
4	Rs 25,000/-	Social services	N.S.S. & S.W.O. University of Pune	2008 – 09
5	Rs 25,000/-	Social services	N.S.S. & S.W.O. University of Pune	2009 – 09
6	Rs 25,000/-	Social services	N.S.S. & S.W.O. University of Pune	2009 – 10

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

7	Rs 13,000/-	Shevga Cutter	I.E.E.E.	2019 – 20
8	Rs. 10,000/-	Survey	U.B.A. GoI	2019 - 20
9	U.S.D. 4418/-	UVC Based disinfection machine	I.E.E.E.	2020 – 21
10	Rs. 846411/-	Establishment of Skill and Personality Development Center	A.I.C.T.E.	2020 - 21
11	Rs 100000/-	AICTE - Scheme for Promoting Interests, Creativity and Ethics among Students **(SPICES)**	AICTE	2021-22

Interaction with Professional : 1) MoU with NGO Gram Gaurav Pratishthan

2) SASSOON Hospital Department of Microbiology PUNE

(Signature)

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Dr Nidhi Sharma
- Designation : Assistant Professor
- Department : Engineering Science
- Date of Joining the Institution : 02/07/2018
- Qualifications with Class/Grade : Ph. D.
- Total Experience in Years : Teaching - 16 YRS Industry - Research –04 YRS
- Papers Published : National - 0 International – 5
- Papers Presented in Conference : National - International – 1
- Ph.D Guide ? Give Field & University : Field - University -
- PhDs / Projects Guided : PhDs - Projects at Masters level –
  Books Published/IPRs/Patents (With Details) :
- Professional Membership : Life time member of ISCA & ISTE
- Consultancy Activities :
- Awards :
- Grants Fetched :
- Interaction with Professional Institutions :

(Signature)

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Mr. Mahajan Prashant Gopal
- Designation : Assistant Professor
- Department : First Year Engineering Science
- Date of Joining the Institution : 23rd July, 2018
- Qualifications with Class/Grade : M. Sc(Organic Chemistry), NET (Lectureship)
- Total Experience in Years : Teaching - 7.6 Industry - 0.4 Research -
- Papers Published : National - NA International – NA
- Papers Presented in Conference : National - NA International – NA
- Ph.D Guide ? Give Field & University : Field - Dr. Dipika Jaspal and Ph. D Pursuing University - Symbiosis International Deemed University, Lavale, Pune.
- PhDs / Projects Guided : PhDs - NA Projects at Masters level – NA
  Books Published/IPRs/Patents (With Details) : NA
- Professional Membership : Life time member of ISTE
- Consultancy Activities : NA
- Awards : Best GFM award for Academic Year 2020-21
- Grants Fetched : NA
- Interaction with Professional Institutions : NA

(Signature)

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1996

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- ❖ Name of the Teaching Staff : Prof. S.V.Arlikar
- ❖ Designation : Assistant professor
- ❖ Department : Engineering sciences
- ❖ Date of Joining the Institution : 05/04/1993
- ❖ Qualifications with Class/Grade : M.Sc. Physics (first class)
- ❖ Total Experience in Years : Teaching - 28 Industry - - Research - -
- ❖ Papers Published : National - 1 International –1
- ❖ Papers Presented in Conference : National - 1 International – -
- ❖ Ph.DGuide ? Give Field & University : No : Field - - University - -
- ❖ PhDs / Projects Guided : PhDs - - Projects at Masters level – -

1. Books Published/IPRs/Patents (With Details) : Engineering Physics(ISBN:9789389180930)

- ❖ Professional Membership : ISTE and MVP
- ❖ Consultancy Activities :-
- ❖ Awards :-
- ❖ Grants Fetched : As co-investor 2.3 lakhs
- ❖ Interaction with Professional Institutions : Federation of film society of India.

(Signature)

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Dr. Pramod G. Musrif
- Designation : Assistant Professor
- Department : Engineering Sciences
- Date of Joining the Institution : 23-04-2012
- Qualifications with Class/Grade : PhD in Physics
- Total Experience in Years : Teaching 14 Industry - Research 07
- Papers Published : National - International – 08
- Papers Presented in Conference : National 13 International – 02
- Ph.DGuide ? Give Field & University : Field - University -
- PhDs / Projects Guided : PhDs - Projects at Masters level –

Books Published/IPRs/Patents (With Details) :NIL

- Professional Membership : ISTE and ASI
- Consultancy Activities : -
- Awards :-
- Grants Fetched : Grants received from BCUD, SPPU Pune of Rs. 3.2 Lac
- Interaction with Professional Institutions :-

(Signature)

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Dr. A.R. Deshmukh
- Designation : Assistant Professor
- Department : Engineering Sciences
- Date of Joining the Institution : 20/09/2020
- Qualifications with Class/Grade :Msc. (Physics) PhD, Post Doctorate
- Total Experience in Years : Teaching - 1 Research - 8
- Papers Published : National - International – 14
- Papers Presented in Conference : National - International – 8
- Ph.DGuide ? Give Field & :
- PhDs / Projects Guided : PhDs - Projects at Masters level –
  Books Published/IPRs/Patents (With Details) :
- Professional Membership :
- Consultancy Activities :

- Awards :

1)Taiwan International Graduate Program (TIGP) fellowship at Academia Sinica, Taipei, Taiwan. **2012.**

2)Best Research Poster Presentation at "Theoretical and Computational Chemistry Association in Taiwan", Hsinchu, Taiwan. September 11, **2014**

3)Best Research Poster Presentation at "Theoretical and Computational Chemistry Association in Taiwan", National Taiwan University, Taipei, Taiwan. September 8, **2015**

4) Best Research Poster Presentation at "Theoretical and Computational Chemistry Association in Taiwan", National Taiwan University, Taipei, Taiwan. September 11, **2016**

5) Postdoctoral fellowship from Beijing computational Science Research Center (2019)

- Grants Fetched :
- Interaction with Professional Institutions : National Taiwan University, Academia Sinica

(Signature)

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff :Mrs Gayatri Nitin Mawale
- Designation : Asst Professor
- Department : FE
- Date of Joining the Institution : 01/10/2008
- Qualifications with Class/Grade : ME Civil (Structure) First Class
- Total Experience in Years : Teaching - 14 Industry - 2.5 Research - Nil
- Papers Published : National - Nil International – 1
- Papers Presented in Conference : National - Nil International – Nil
- Ph.D Guide ? Give Field & University : Field -Nil University -
- PhDs / Projects Guided : PhDs - Nil Projects at Masters level – Books Published/IPRs/Patents (With Details) : Nil
- Professional Membership : LM IEI, LM IWWA, LM ISSE, LM ISTE
- Consultancy Activities :Organized ETAB Software Training course as consultancy
- Awards : Nil
- Grants Fetched : Nil
- Interaction with Professional Institutions : Nil

(Signature)

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Ms.Atiya Nasir Khan Pathan
- Designation : Assistant Professor
- Department : Engineering Science
- Date of Joining the Institution : 01/10/2008
- Qualifications with Class/Grade : Masters in Civil Engineering (Structures)
- Total Experience in Years : Teaching - 14 Industry - 0.5 Research -
- Papers Published : National - 01 International – Nil
- Papers Presented in Conference : National - Nil International – Nil
- Ph.D Guide ? Give Field & University : Field - Structures (Perusing) University - SPPU
- PhDs / Projects Guided : PhDs - Projects at Masters level –
  Books Published/IPRs/Patents (With Details) :
- Professional Membership : Indian Society for Structural Engineering, Institute of Engineers India, LMISTE
- Consultancy Activities :Organized ETAB Software Training course as consultancy
- Awards :
- Grants Fetched :
- Interaction with Professional Institutions :

(Signature)

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Mr. Amit H Raheja
- Designation : Assistant Professor
- Department : Engineering Sciences Department
- Date of Joining the Institution : 08/07/2013
- Qualifications with Class/Grade : M.E. (Structural Engineering) First Class
- Total Experience in Years : Teaching - 8.5 years Industry - Research - 02 yrs
- Papers Published : National - International – 03
- Papers Presented in Conference : National - International –
- Ph.D Guide ? Give Field & University : Field - University -
- PhDs / Projects Guided : PhDs - Projects at Masters level –
  Books Published/IPRs/Patents (With Details) :
- Professional Membership : Institution of Engineers (India)
  Indian Society for Technical
- Consultancy Activities : Organized ETAB Software Training course as consultancy
- Awards : Best GFM Award 2017-18
- Grants Fetched :
- Interaction with Professional Institutions :

(Signature)

Place: Pune
Date: 20 April 2022

INSTITUTE OF INFORMATION TECHNOLOGY * AISSMS * PUNE * UoP Id. No. PU/PN/Engg 134/1993

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Ms.Anjali Vishal Diwalkar
- Designation : Assistant Professor
- Department : Engineering Science
- Date of Joining the Institution : 7/10/19
- Qualifications with Class/Grade : ME (Structural Engineering) First Class Distinction
- Total Experience in Years : Teaching –3.5 Industry - 6 Research - Nill
- Papers Published : National - International – 2
- Papers Presented in Conference : National - International – 2
- Ph.D Guide ? Give Field & University : Field - Nill University - Nill
- PhDs / Projects Guided : PhDs - NA Projects at Masters level – NA
  Books Published/IPRs/Patents (With Details) : NA
- Professional Membership : LM ISTE
- Consultancy Activities :Organised ETAB Software Training course as consultancy
- Awards : NA
- Grants Fetched : NA
- Interaction with Professional Institutions : NA

(Signature)

Place: Pune
Date: 20 April 2022

AISSMS's INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- ❖ Name of the Teaching Staff : Mr.Pradeep Shriram Rathod.
- ❖ Designation : Asst. Prof.
- ❖ Department : FE
- ❖ Date of Joining the Institution : 22/12/2019.
- ❖ Qualifications with Class/Grade : ME Heat & Power, CGPA: 7.45
- ❖ Total Experience in Years : Teaching 12 year's Industry : 09 year's, Research : nil
- ❖ Papers Published : National - 05 International – 01 International : 01
- ❖ Papers Presented in Conference : National - 01 International – 01
- ❖ Ph.D Guide ? Give Field & : Field - University - NA
- ❖ PhDs / Projects Guided : PhDs - Projects at Masters level –

Books Published/IPRs/Patents (With Details) : Nil

- ❖ Professional Membership : ISTE LM, INSTITUTE OF ENGINEERS PUNE CENTRE LM ISTE & Member of
- ❖ Consultancy Activities : No
- ❖ Awards : Best GFM, excellent Result in BME.
- ❖ Grants Fetched : NIL
- ❖ Interaction with Professional Institutions : NO

(Signature)

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff :Mr.Amol Jagannath More
- Designation : Assistant Professor
- Department : Engineering Sciences [FE] -Mechanical Section
- Date of Joining the Institution : 01 Jan 2010
- Qualifications with Class/Grade : M-TECH MECHANICAL ENGINEERING first class with Distinction
- Total Experience in Years : Teaching - 12 years Industry - 06 month,Research -04yrs
- Papers Published : National - 01 International –12
- Papers Presented in Conference : National - 01 International – 02
- Ph.D Guide ? Give Field & University : Field - NA University - NA
- PhDs / Projects Guided : PhDs - NA Projects at Masters level – NA
  Books Published/IPRs/Patents (With Details) : NIL
- Professional Membership : LMISTE67648
- Professional Membership : SMISME20161570
- Consultancy Activities :NIL
- Awards : 01 Innovative Research & Dedicated Teaching Professional Award in Mechanical Engineering 2021.
- Grants Fetched : NIL
- Interaction with Professional : 1.Om Engineering Pvt Ltd Pune
  2.GVPL CFD Technologies PUNE
  3. INFITECH enterprises Pune

(Signature)

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Prof.ShivajiS.Gadadhe
- Designation : Assistant Professor
- Department : FE(Mechanical Engg.)
- Date of Joining the Institution : 13/10/2010
- Qualifications with Class/Grade : BE(Mech), ME (Design Engg.) Ph.D(Pursuing)
- Total Experience in Years : Teaching – 12 years Industry -00 Research - 00
- Papers Published : National - 00 International – 05
- Papers Presented in Conference : National -00 International – 01
- Ph.D Guide ? Give Field & University : Field - 00 University - 00
- PhDs / Projects Guided : PhDs - 00 Projects at Masters level – 00
  Books Published/IPRs/Patents (With Details) : 00
- Professional Membership : ISTE//SMISME/FSIESRP
- Consultancy Activities :Nil
- Awards :3 times Best GFM (2010-11,2011-12,2012-13),(Best SDO For college), InnovativeTechnologist & Dedicated Teaching Professional Award
- Grants Fetched :SWO
- Interaction with Professional Institutions : Nil

(Signature)

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff :Mr.NitinPrakashraoBhone
- Designation : Assistant Professor
- Department : F.E. (Mechanical Engineering)
- Date of Joining the Institution : 03/06/2013
- Qualifications with Class/Grade : B.E(Mechanical) M.E (Production Engineering) Ph.D (Pursuing)
- Total Experience in Years : Teaching - 14 Yrs Industry - 02 Yrs Research - Nil
- Papers Published : National - International – 08 Papers
- Papers Presented in Conference : National - International – 03
- Ph.DGuide ? Give Field & University : Field - University -
- PhDs / Projects Guided : PhDs - Projects at Masters level –

Books Published/IPRs/Patents (With Details) :

- Professional Membership : LMISTE-85131/SMISME/FSIESRP
- Consultancy Activities :
- Awards :1. First Merit in ME (Production) At SGBAU Amravati,

  2. Innovative Technologist & Dedicated Teaching Professional Award
- Grants Fetched :
- Interaction with Professional Institutions :

(Signature)

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-1



- Name of the Teaching Staff :Mr. Dhananjay Dattatray Pise
- Designation : Assistant Professor
- Department : FE
- Date of Joining the Institution : 26/07/2016
- Qualifications with Class/Grade :M.TECH. DISTINCTION
- Total Experience in Years : Teaching - 6yrs 5months Industry - 0.5 Research - 02
- Papers Published : National - International – 10
- Papers Presented in Conference : National - 01 International – 03
- Ph.DGuide ? Give Field & University : Field - University -
- PhDs / Projects Guided : PhDs - Projects at Masters level –
  Books Published/IPRs/Patents (With Details) :
- Professional Membership : ISTE
- Consultancy Activities : CNC SKILL DEVELOPMENT CENTRE, AISSMS IOIT PUNE
- Awards :
- Grants Fetched :
- Interaction with Professional Institutions :

(Signature)

Place: Pune
Date: 20 April 2022

INSTITUTE OF INFORMATION TECHNOLOGY * AISSMS * PUNE * UoP Id. No. PU/PN/Engg 124/1993

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Mr. Ashish ShankarraoApate
- Designation : Assistant Professor
- Department : Engineering Sciences
- Date of Joining the Institution : 14 June 2019
- Qualifications with Class/Grade : ME (Design Engineering) with Istclass
- Total Experience in Years : Teaching – 5 yrs Industry - 2.9 yrs Research -
- Papers Published : National - International – 3
- Papers Presented in Conference : National - 1 International –
- Ph.D Guide ? Give Field & University : Field - University -
- PhDs / Projects Guided : PhDs - Projects at Masters level –
  Books Published/IPRs/Patents (With Details) :
- Professional Membership : ISTE, IRED , IAENG
- Consultancy Activities :
- Awards :
- Grants Fetched :
- Interaction with Professional Institutions : Sainath Engineering and Machinary

(Signature)

Place: Pune
Date: 20 April 2022

INSTITUTE OF INFORMATION TECHNOLOGY A/SSMS PUNE UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Dr. Naseem Khayum
- Designation : Assistant Professor
- Department : Engineering Sciences
- Date of Joining the Institution : 23/09/2021
- Qualifications with Class/Grade : Ph.D.(Mechanical Engineering) (Distinction)
- Total Experience in Years : Teaching - 5 Industry - 00 Research - 5.5
- Papers Published : National - 01 International – 09
- Papers Presented in Conference : National - 01 International – 05
- Ph.DGuide ? Give Field & University : Field - NA University -
- PhDs / Projects Guided : PhDs - NA Projects at Masters level –
- Books Published/IPRs/Patents (With Details) :
- Professional Membership : Indian Society of Technical Education(ISTE)
- Consultancy Activities :
- Awards : Awarded with a certificate of "Recognized Reviewer" by the Fuel Elsevier Publication in May. 2021
- Awarded with a certificate of "Research Ratna Award of the year 2019" by the International
- Journal for Research under literal access, at Tirchy, Tamilnadu in Feb 2019
-
- Grants Fetched :
- Interaction with Professional Institutions :

(Signature)

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Prof .Mahesh BalasahebNigade
- Designation : Assistant workshop superintendent
- Department : FE
- Date of Joining the Institution : 26/07/2016
- Qualifications with Class/Grade : ME MECHANICAL Design
- Total Experience in Years : Teaching -09 Industry - 10 Research - 04
- Papers Published : National - 01 International – 05
- Papers Presented in Conference : National - 03 International –
- Ph.D Guide ? Give Field & Pune university PUNE : Field -PHD mechanical Pursuing University - Savitribai Phule
- PhDs / Projects Guided : PhDs - Projects at Masters level –
  Books Published/IPRs/Patents (With Details) :
- Professional Membership : ISTE
- Consultancy Activities :AISSMS CNC , VMC training centerpune
- Awards :
- Grants Fetched :
- Interaction with Professional Institutions :

(Signature)

Place: Pune
Date: 20 April 2022

INSTITUTE OF INFORMATION TECHNOLOGY * AISSMS * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

- Name of the Teaching Staff : Dr. KshipraWadikar
- Designation : Assistant Professor
- Department : Engineering Sciences
- Date of Joining the Institution : 13/08/2007
- Qualifications with Class/Grade :



ACADEMIC DETAILS:

Sr.No.	Examination	University	Year of Passing	Class	% Marks obtained
1.	S.S.C.	Pune Board	1996	Distinction	78
2.	H.S.C.	Pune Board	1998	First	73
3.	B.Sc.	Savitribai Puhle Pune University	2001	Distinction	84
4.	NET		2002		
5.	M.Sc.	Savitribai Puhle Pune University	2003	Distinction	75.01
6.	PhD	Savitribai Puhle Pune University	2015		

- Total Experience in Years : Teaching -17 Industry - Research - 05
- Papers Published : National - 01 International – 01
- Papers Presented in Conference : National - 05 International – 01
- Ph.D Guide ? Give Field & University : Field - University -
- PhDs / Projects Guided : PhDs - Projects at Masters level –

Books Published/IPRs/Patents (With Details) : ---

- Professional Membership : LMISTE, RMS, IAIAM
- Consultancy Activities : Proof reading of lectures " matlab programming for numerical computations" in Marathi Language with NPTEL(Year 19-20)
- Awards :-
- Grants Fetched : "Criteria for 3X3 matrices to be sums of cubes" funded by BCUD, Pune UnivesityGrant received: RS 1.00.000. (2011-13)
- Interaction with Professional Institutions : organized 2 days workshop on applied mathematics along with IAIAM (9-10 January 2020)

(Signature)

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Prof. Pandit Bandu Shinde
- Designation : Assistant Professor
- Department : Engineering Sciences
- Date of Joining the Institution : 02/07/2013
- Qualifications with Class/Grade :M.Tech(Ind. Maths) With "O" grade(First class with Distinction)
- Total Experience in Years : Teaching -13.5 Industry -03Month Research -
- Papers Published : National - 01 International – --
- Papers Presented in Conference : National - -- International – --
- Ph.D Guide ? Give Field & University : Field - -- University - --
- PhDs / Projects Guided : PhDs - -- Projects at Masters level – -
  Books Published/IPRs/Patents (With Details) : ---
- Professional Membership :Indian Academy of Industrial and Applicable Mathematics(IAIAM)
- Consultancy Activities :----
- Awards : ----
- Grants Fetched : ----
- Interaction with Professional Institutions : -----

(Signature)

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Mr. Vallabh Vijayanand Shinde
- Designation : Assistant Professor
- Department : Engineering Sciences
- Date of Joining the Institution : 03/01/2020
- Qualifications with Class/Grade :M.Tech in Industrial Mathematics with Ist class
- Total Experience in Years : Teaching - 07 Industry - Research -
- Papers Published : National - International –
- Papers Presented in Conference : National - International –
- Ph.DGuide ? Give Field & University : Field - University -
- PhDs / Projects Guided : PhDs - Projects at Masters level –

Books Published/IPRs/Patents (With Details) :

- Professional Membership :
- Consultancy Activities :
- Awards :
- Grants Fetched :
- Interaction with Professional Institutions :

(Signature)

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Mr.Pankaj Shyamnarayan Gaur
- Designation : Assistant Professor
- Department : Engineering Sciences
- Date of Joining the Institution : 21/09/2020
- Qualifications with Class/Grade :M.Sc Mathematics with I[st] class
- Total Experience in Years : Teaching - 7.8 Industry - Research -
- Papers Published : National - International –
- Papers Presented in Conference : National - International –
- Ph.D Guide ? Give Field & University : Field - University -
- PhDs / Projects Guided : PhDs - Projects at Masters level –

Books Published/IPRs/Patents (With Details) :

- Professional Membership :
- Consultancy Activities :
- Awards :
- Grants Fetched :
- Interaction with Professional Institutions :

(Signature)

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff :Mr.ShelarDilip Shravan
- Designation : Assistant Professor
- Department : Engineering Sciences
- Date of Joining the Institution : 1/02/2021
- Qualifications with Class/Grade :M.Sc (Mathematics) with 1st class, M.Phil
- Total Experience in Years : Teaching - 21 Industry - Research -
- Papers Published : National - International – 02
- Papers Presented in Conference : National - International – 02
- Ph.D Guide ? Give Field & University : Field - University -
- PhDs / Projects Guided : PhDs - Projects at Masters level –
  Books Published/IPRs/Patents (With Details) :
- Professional Membership : Indian mathematical Society(IMS)
- Consultancy Activities :
- Awards :
- Grants Fetched :
- Interaction with Professional Institutions :

(Signature)

Place: Pune
Date: 20 April 2022

A.I.S.S.M.S. INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Mr.Neeraj Devidas Gaikwad
- Designation : Lecturer in Metallurgy-(1999 – 2009)
  Training and Placement Officer (2009 –till dt.)
- Department : Mechanical Engineering(1999 – 2009),Training and Placement/Innovation&Etrepreneurship Development-Cell
- Date of Joining the Institution : 02/08/1999
- Qualifications with Class/Grade : M.Tech–Metallurgical Engineering (Physical Metallurgy)-First Class
- Total Experience in Years : Teaching – 22.8 Industry - 01 Research - 15
- Papers Published : National - - International – -
- Papers Presented in Conference : National - - International – -
- Ph.D Guide ? Give Field & : -
- PhDs / Projects Guided : PhDs - - Projects at Masters level – -
  Books Published/IPRs/Patents (With Details) : -2 Patents filed
- Professional Membership : ISTE
- Consultancy Activities :-
- Awards : 05
- Grants Fetched :
  - Received grant worth Rs. 14 thousand from EDI-Ahmedabad for conducting Entrepreneurship Awareness camp.
  - Received grant worth Rs. 14 thousand from Science and Technology Park-SPPU-Pune, for conducting Entrepreneurship Awareness camp.
- Interaction with Professional Institutions : 07

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY PUNE UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Dr.Deepali Sureshchandra More
- Designation : Director of Physical education
- Department : Physical Education
- Date of Joining the Institution : 29/12/2009
- Qualifications with Class/Grade : M.P.Ed (SET) , PhD
- Total Experience in Years : Teaching –12.2 Industry - Research - 0
- Papers Published : National - 02 International – 01
- Papers Presented in Conference : National - 02 International – 02
- PhDs / Projects Guided :
- Projects at Masters level –
  Books Published/IPRs/Patents (With Details) :
- Professional Membership :
- Consultancy Activities : NA
- Awards : 01
- Grants Fetched : SPPU under BCUD Sports grant 60,000/- in 2010
  SPPU under BCUD Sports grant 60,000/- in 2012
  SPPU under BCUD Sports grant 1,00,000/- in 2014
  SPPU under BCUD Sports grant 1,00,000/- in 2016
  SPPU under BCUD Sports grant 1,00,000/- in 2018
- Interaction with Professional Institutions : NA

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Ms. Pushpa Vitthal Hirave
- Designation : Librarian
- Department : Central Library
- Date of Joining the Institution : 03/06/2013
- Qualifications with Class/Grade : B. Sc. (Chemistry), M.L.I.Sc, UGC-NET, Post Graduation Diploma in Library Automation and Networking
- Total Experience in Years : Teaching - 10 Industry - 00 Research - 00
- Papers Published : National - 00 International – 00
- Papers Presented in Conference : National - 00 International – 00
- Ph.DGuide ? Give Field & : Field - -----
- PhDs / Projects Guided : PhDs - 00 Projects at Masters level – 00

Books Published/IPRs/Patents (With Details) :0 Books

- Professional Membership : ILOSC
- Consultancy Activities :NA
- Awards :01
- Grants Fetched : NA
- Interaction with Professional Institutions : NA

Place: Pune
Date: 20 April 2022

INSTITUTE OF INFORMATION TECHNOLOGY * AISSMS * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



- Name of the Teaching Staff : Ms.Madhavi Prashant Parulekar
- Designation : Librarian
- Department : Library
- Date of Joining the Institution : 01/12/2013
- Qualifications with Class/Grade : B.Sc. M.A. M.Lib I.Sc. SET with First Class
- Total Experience in Years : Librarian- 13 years Asst. Librarian 5 Years
- Papers Published : National - 0 International – -
- Papers Presented in Conference : National - - International – -
- Ph.D Guide ? Give Field & : -
- PhDs / Projects Guided : - Projects at Masters level – -
- Professional Membership : -
- Consultancy Activities : -
- Awards : -
- Grants Fetched : -
- Interaction with Professional Institutions :

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY PUNE UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

(9) Fees

S. No.	Name of the Programmes	Nos. of Seats	Duration	Fees in Rupees	Hostel Fees
1	Computer Engineering	120	4 years	110000/-	120000/-
2	Electrical Engineering	60	4 years	110000/	120000/-
3	Instrumentation Engineering	60	4 years	110000/	120000/-
4	Electronics & Tele-communication	120	4 years	110000/	120000/-
	Information Technology	60	4 years	110000/	120000/-
6	Artificial Intelligence and Data Science	120	4 years	110000/	120000/-
7	M.E.Power Electronics & Drives(Second Shift)	18	2 years	87500/-	120000/-
8	M.E. VLSI and Embedded System (Second Shift)	18	2 years	87500/-	120000/-

Details of fee, as approved by State Fee Committee, for the Institution	Tuition fees of **Rs. 97343/-**
	Development fees of **Rs. 12,657/-**
	Total fees of Rs. 1,10,000/-
Time schedule for payment of fee for the entire programme	Till the cut of date as stipulated by the Director Technical Education/ Govt. of Maharashtra.
No of Fees waivers granted with amount and name of students	2021-22: 24 2020-21: 79 2019-20: 74 2018-19: 69
Number of scholarship offered by the Institution, duration and amount	2021-22:03 2020-21: 07 2019-20: 07 2018-19: 07
Criteria for fee waivers / scholarship	As per Govt. rules & regulation
Estimated cost of Boarding and Lodging in Hostels	Boarding and Lodging in Hostel Rs. 120000/-per annum per head.

(10) Admission

Number of seats sanctioned with the year of approval

Sr No	Name of the programmes	Sanction Intake	Year of Approval
1	Electrical Engineering	60	1999
2	Electronics and Telecommunication Engineering	60	2008
3	Electronics and Telecommunication Engineering (Second Shift)	60	2013
4	Computer Engineering	60	1999
5	Computer Engineering (Second Shift)	60	2012
6	Information Technology	60	2008
7	Instrumentation Engineering	60	1999
8	Artificial Intelligence and Data Science	120	2020
9	ME - Electrical Engineering (Power Electronics and Drives)	18	2013
10	ME - Electronics and Telecommunication Engineering (VLSI and Embedded System)	18	2013
	Total Intake	**576**	

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

Number of students admitted under various categories each year in the last three years

Sr No.	Under Graduate (UG)	2019-2020	2020-2021	2021-2022	Post Graduate (PG)	2019-2020	2020-2021	2021-2022
1	SC	42	46	46	SC	1	1	1
2	ST	69	63	60	ST	0	0	0
3	VJNT				VJNT			
4	SBC				SBC			
5	OBC	112	128	137	OBC	1	0	0
6	SEBC	53	0	0	SEBC	0	0	0
7	Open	200	307	313	Open	1	4	1
Total		486	544	556	Total	3	5	2

Number of applications received during last two years for admission under Management Quota and number admitted

Sr No	Particulars	Academic Year 2020-21	Academic Year 2021-22
1	No of application received	75	97
2	No of admitted students	63	73

(11) Admission Procedure

Mention the admission test being followed, name and address of the Test Agency and its URL (website)	1) MH - CET :- Test Conducted by DTE Mumbai, Govt. of Maharashtra (Website-www.dte.org.in)	
	2) JEE Main/ Advance:-Central Board of secondary Education, New Delhi.	
Number of seats allotted to different Test Qualified candidate separately (AIEEE / ECT (State conducted test / University tests / CMAT / GPAT) / Association conducted test)	1) MH - CET :- 65% of sanctioned intake of each course	
	2) JEE Main/ Advance :- 15% of sanctioned intake of each course	
	5) Institute level seats : - 20% of sanctioned intake of each course	
Calendar for admission against Management / vacant seats	Last date of request for applications	
	Last date of submission of applications	
	Dates for announcing final results	
	Release of admission list (main list and waiting list shall be announced on the same day)	
	Date for acceptance by the candidate (time given shall in no case be less than 15 days)	
	Last date for closing of admission	
	Starting of the Academic session	
	The waiting list shall be activated only on the expiry of date of main list	
	The policy of refund of the fee, in case of withdrawal, shall be clearly notified	

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

(12) Criteria and Weightages for Admission

Describe each criterian with its respective weightages i.e. Admission Test, marks in qualifying examination etc.

1) CAP **Admission** : Candidate should be an Indian National and should have passed the HSC (Std.XII) examination of Maharashtra State Board of Secondary and Higher Secondary Education or its equivalent examination with subjects English, Physics, Chemistry and Mathematics and Secured Minimum 150 marks out of 300 marks (minimum 45% marks i.e. 135 marks out of 300 marks in case of candidates of Backward class categories belonging to Maharashtra state only) in the PCM added together and Obtained non – Zero Score in Physics, Chemistry and Mathematics at MH – CET/JEE.

2) Institute level and vacant seat admission :
Candidate should be an Indian National and should have passed the HSC (Std.XII) examination of Maharashtra State Board of Secondary and Higher Secondary Education or its equivalent examination with subjects English, Physics, Chemistry and Mathematics and Secured Minimum 150 marks out of 300 marks (minimum 45% marks i.e. 135 marks out of 300 marks in case of candidates of Backward class categories belonging to Maharashtra state only) in the PCM added together and Obtained non – Zero Score in Physics, Chemistry and Mathematics at MH – CET/JEE.

Candidate should be an Indian National and should have passed the HSC (Std.XII) examination of Maharashtra State Board of Secondary and Higher Secondary Education or its equivalent examination with subjects English, Physics, Chemistry and Mathematics and Secured Minimum 150 marks out of 300 marks (minimum 45% marks i.e. 135 marks out of 300 marks in case of candidates of Backward class categories belonging to Maharashtra state only) in the PCM added together.

Diploma holders who have passed the Diploma course in Engineering / Technology with minimum of 50 % marks and medium of instruction as English from Polytechnics affiliated to MSBTE or AICTE approved autonomous Polytechnics situate in or outside the Maharashtra state.

Mention the minimum level of acceptance, if any

Candidate should be an Indian National and should have passed the HSC (Std.XII) examination of Maharashtra State Board of Secondary and Higher Secondary Education or its equivalent examination with subjects English, Physics, Chemistry and Mathematics and Secured Minimum 150 marks out of 300 marks (minimum 45% marks i.e. 135 marks out of 300 marks in case of candidates of Backward class categories belonging to Maharashtra state only) in the PCM added together and Obtained non – Zero Score in Physics, Chemistry and Mathematics at MH – CET/JEE.

Mention the cut-off levels of percentage and percentile score of the candidates in the admission test for the last three years

Sr No	Name of the programmes	Cut-off levels of percentage and percentile score		
		2019-20 (**)	2020-21(**)	2021-22
1	Electrical Engineering	74.12-33.27	93.87-35.00	81.08-1.00
2	Electronics and Telecommunication Engineering	88.93-55.64	89.39-33.33	93.15-5.44
3	Computer Engineering	96.52-94.02	96.57-84.55	96.93-22.90
4	Information Technology	98.14-93.05	94.48-64.99	96.10-12.11
5	Instrumentation Engineering	85.21-8.15	78.39-20.21	79.96-10.13
6	Artificial Intelligence and Data Science	--	96.40-56.68	95.75-12.70

(*) Total CET score, (**) Total percentile of CET

Display marks scored in Test etc. and in aggregate for all candidates who were admitted

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

(13) List of Applicants

List of candidate whose applications have been received along with percentile / percentage score for each of the qualifying examination in separate categories for open seats. List of candidate who have applied along with percentage and percentile score for Management quota seats.

(14) Results of Admission under Management seats / vacant seats

Composition of selection team for admission under Management Quota with the brief profile of members (This information be made available in the public domain after the admission process is over)	As per Norms given by Admission Regulating Authority, Mumbai, Maharashtra, Information Boucher for the year 2021-22
Score of the individual candidate admitted arranged in order or merit	
List of candidate who have been offered admission	
Waiting list of the candidate in order of merit to be operative from the last date of joining of the first list candidate	
List of the candidate who joined within the date, vacancy position in each category before operation of waiting list	

(15) Information of Infrastructure and Other Resources Available

Number of class Rooms (UG) and size of each

Sr No	Class Room	Size of Each in Sq m
1	002	71.01
2	016	72.45
3	018	72.59
4	109	73.34
5	109 B	66.69
6	111	76.03
7	113	72.28
8	114	76.03
9	117	72.59
10	118 (RF)	69.17
11	206	73.04
12	210	76.03
13	213	76.03
14	218	66.66
15	305	76.03
16	309	76.03
17	315	73.04
18	405	76.03
19	409	76.03
20	505	76.03
21	509	76.03
22	605	76.03
23	609	76.03
24	704	76.03
25	708	76.03
26	B1	97.02
27	B3	66.66
28	B4	100.152

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY PUNE UoP Id. No. PU/PN/Engg 124/1998 1

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Number of class Rooms (PG) and size of each

Sr No	Class Room	Size of Each in Sq m
1	205	33
2	401	33
3	414	33

Number of Tutorial Rooms and size of each

Sr No	Tutorial Room/	Size of Each in Sq m
1	015	35
2	217	37
3	314	33
4	510A	33
5	513	41.1
6	612	33
7	712	41.1

Number of laboratories and size of each

Sr No	Laboratories	Size of Each in Sq m
1	Physics lab	66.66
2	Mechanical Engg. Lab	66.66
3	Applied Chemistry Lab	100.96
4	CAD Lab	71.72
5	Civil Engg. Lab	66.66
6	Workshop	225
7	Basic Electrical Lab	72.5
8	Electrical Machine Lab	145.29
9	High Voltage Lab	66.66
10	Drives & Power Electrinics Lab	72.28
11	Measurments & Instrumentation Lab	66.66
12	Microprocessor & Control System lab	66.66
13	Power Electronics & Drives	72.28
14	Electrical Project Lab & PG Computer cetre	145.29
15	Power Systems Lab	72.5
16	Digital Electronics Lab	72.48
17	Electronics Circuit Lab	72.48
18	OFC/Voice Network Lab	72.28
19	System Programming lab	71.45
20	Microcontroller/ Embedded	71.45
21	PG/VLSI Lab / Lab Practice I	55
22	Project Lab/ Basic Electronics Lab	48
23	PG/Lab Practice II	66.66
24	Internet of Things Lab	72.48
25	Corporate Training Room	72.48
26	Computation Lab	72.48

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

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27	Programming Lab	71.45
28	Network Security Lab	71.45
29	Project Lab	41.1
30	H/W & Microprocessor Lab	66.66
31	Programming Lab	72.48
32	Project & Network Lab	72.48
33	Software Lab	72.48
34	Software Computing Lab	71.45
35	Advance Software Lab	71.45
36	Project Lab	71.45
37	Network Lab I	71.45
38	Hardware Lab	72.48
39	Language Lab	72.48
40	Software Lab I	73.42
41	Software Lab II	72.28
42	Network Lab II	66.66
43	Analog & Digital Techniques Lab	73.42
44	Process Instrumentation Lab	72.48
45	Sensor & Tranducer Lab & Forbes Marshell Centre of Excellence flow Level Lab	51.03
46	Computer Lab	72.48
47	Emerson Centre of Excellence in Delta V Distibuted Control System Lab	51.62
48	Bio Medical Instrumentation Lab	51.03

Number of Drawing Halls and Capacity of each

Sr No	Drawing Halls	Capacity of each
1	Drawing Hall(112)	145.29

Number of Computer Centers and Capacity of each

Sr No	Computer Centers	Capacity of each
1	105,107	100.57

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * AISSMS
UoP Id. No. PU/PN/Engg 124/1998

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Library

Number of Library books/ Titles/ Journals available (program – wise)

Sr. No.	Course	Total Number of Titles	Total Number of Volumes	Department	Number of Journals	
					National	International
1	Computer Engineering	983	6882	294	6	5169
2	Electrical Engineering	731	4254	309	6	
3	Electrical Engineering (ME)	66	232	-	5	
4	Electronics Engineering	745	3797	370	6	
5	Instrumentation Engineering	619	3267	229	6	
6	Electronics & Tele-communication	693	3720	149	6	
7	Electronics & Tele-communication (ME)	70	329	-	5	
8	Information Technology	571	2753	318	6	
9	Engineering Science (First Year)	451	3813	822		
10	General	155	643	-		
11	Donated Books	361	447	-		
12	BCUD Books	103	105			
13	Book Bank (SWF)	175	1226	-		
	Total	5723	33959 (A)	2491 (B)		
	Grand Total (A + B)		33959			

E-Journal for Central Library

Sr. No.	Publisher	E-Content
1.	IEEE ASPP Package	169 Journals since from 2001 back files of Electronics and Electrical and basic sciences
2.	Knimbus	25000 ebooks of engineering
3.	DELNET Consortium	5000– Full text e journals, 320 engineering e books

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

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List of Major Equipment / Facility in each Laboratory / Workshop (Electrical)

Sr No	Name of Equipment	Qty	Manufacturer	Model no	Important technical Specifications
1	Rectifier Panel	01	Inhouse	No	I/P –415V, 3 ph, AC Supply O/p – 220V, DC 30 Amp.
2	Motor generator set slip ring I. M. m/c. coupled to Compound m/c.	01	BENN Electricals Pvt. Ltd.	IS:4722	3 ph,415V, AC Supply, 7.5 HP,12 Amp,1410 rpm,50Hz
3	Motor generator set slip ring I. M. m/c. coupled to Compound m/c.	01	BENN Electricals Pvt. Ltd.	IS:4722	3 ph,415V, AC Supply, 7.5 HP,12 Amp,1410 rpm,50Hz
4	Variable Inductive Load Bank	01	Protex Instruments	No	3 ph,415V, AC Supply, 10 Amp/Ph load Variation
5	LCD Projector	01	Sharp	XR-10S	Projection DLP, Native resolution: SVGA (800□600), Maximum resolution: 1400□1050) Contras ratio 2000:1
6	Document Camera	01	Aver	POH7A	5M,32X zoom capabilities and image streaming via HDMI visualizer
7	Power Analyser with Ethernet & RCM	01	Janitza	UMG96RM-E	Capable of energy,universal and differential current,Capable of measuring Voltage,Current, Power,Energy, Power factor Max.,Min Values etc.
8	LCD Projector	01	SONY	VPL DX 221	3 LCD Native Resolution: XGA (1024x768) Max Resolution: 1600x1200
9	High Voltage Testing Unit, oil immersed 0-80Kv, 100mA,	01	High Voltage India Ltd.	--	0-80KV, 100mA
10	Vertical Motorized Sphere Gap unit with control Panel	01	High Voltage India Ltd.	--	Sphere of 100mm diameter 99.9% pure copper
11	C and Tan Delta Measuring System	01	Protection System India	--	10kV , 1microF Std capacitor,
12	Three Phase Series Inverter with Motor	01	POWERC ON		Input: Single phase AC (230V, 50Hz), Output:0.25A per phase/ 180V AC pp, 3 phase inducation motor load
13	PSIM Software (5 Users), PSIM 9.3	01	PSIM 9.3	722374855	5 users
14	Powerscope	02			Inputs: 1500V max, Duel Channel DC to 30 MHz, 2mV, time base 20ns - 0.2s, Triggering DC - 50MHz, 1

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY UoP Id. No. PU/PN/Engg 124/1998 PUNE

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					div typ.
15	Kit for speed control characteristics of three phase fully converter fed separately excited D.C. motor.	01	DGP		Build in regulated DC supply, Firing circuit with pulse transformer for SCRs, 3 phase step down transformer, (18 V rms)
16	Kit of VSI fed 3 phase Induction motor (using V/f control)	01	DGP		PWM inverter, speed control characteristics (VVFD) 1/2 HP AC Motor, O/P 415 V line to line, O/P load capacity 50W per phase
17	Digital Storage Osciloscope	02	RIGOL 1102E		100 Mhz band width, 500 MS/s to 1 GS/s real time sample rate, 2mV/die to 50 V/div vertical sensitivity, USB storage RS232C, optional J45 interface, 4000 point record length for each channel, Calibration signal with frequency of 1KHz. 10KHz, 100KHz.
18	Earth Clamp And Loop Tester	01	Atandra/Chauvin Arnox	CA 6417	1500 Ω / 500 µH / 40A
19	Inductive Load Bank	01	Xtreme Engineering Equipment (P) Ltd (XEEPL)	--	3 Phase Star Connected, 10 A/ Phase
20	Digital Laser Distance Meter	01	BOSCH	GLM500	Measuring Range 0.05-50 m^A)
21	C Complier software (05 User)	01	C Complier	IC9UM-X502X-3C5J9	05 users
22	AC Servomotor Trainer Kit	01	Benix	--	0-12V AC, 2A
23	DC Motor Position Control System	01	Benix	--	0-12V DC, 0.9 A
24	Allen Bradley Programming Logic Controller (PLC) with software 20DI & 12DO, 2AI,& 2AO 120/240Volt AC /24V DC, 10K memory PLC SCADA	03	Rockwell Automation	1766-L32BWAA	20DI & 12DO, 2AI,& 2AO 120/240Volt AC /24V DC, 10K memory PLC Software : RSLogix500 SCADA Software : factory Talk View Studio
25	Power Quality and Energy Analyzer	01	Fluke	435 - II	Class A, Accuracy: ±0.1% voltage/ ±0.5% ±5 counts Current, Harmonics 50, Flicker
26	Power Quality Logger	01	Fluke	1748	IEC 61000-4-30 Ed 3, Class A, Accuracy: ±0.1% voltage/ ±0.5% ±5 counts Current, Harmonics 50, Flicker
27	Merz-Price protection Kit for Transformer (with solid state	01	MD Electricals	20040220/302	3 pahse 415V/230V, AC, Delta Star Transformer,

Place: Pune
Date: 20 April 2022

INSTITUTE OF INFORMATION TECHNOLOGY AISSMS PUNE UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
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	% Differential relay) (MDE Make specification)				percentage biased differential, solid state relay
28	Economical Demo Panel For Merz-Price Protection of Alternator	01	MD Electricals		Alternator 3 KVA,3 Phase, 415V, 1500 rpm, Star connected Alternator winding Coupled to 3 HP, 220V, 1500 RPM DC Shunt Motor Protective relay 3-phase, 1A, CT operated percentage biased differential solid-state relay.
29	Transformer Protection Kit	01	Xtreme Engineering Equipment (P) Ltd (XEEPL)	--	Transformer 3-Ph, 3KVA,415/230V (L-L), Delta/Star connected transformer with tapings on primary at 0-10-20-100% & on secondary at 0-10-20-100% on each phase of windings, Natural air cooled. Protective relay 3-phase, percentage biased differential, solid state relay
30	Merz-Price protection Kit for Alternator	01	Xtreme Engineering Equipment (P) Ltd (XEEPL)	--	Alternator 3 KVA,3 Phase, 415V, 1500 rpm, Star connected Alternator winding Coupled to 3 HP, 220V, 1500 RPM DC Shunt Motor Protective relay 3-phase, 1A, CT operated percentage biased differential solid-state relay.
31	EDSA software	01	EDSA Micro Corporation	CE_50 Serial No SN#10290 34198	EDSA Paladin Design Base CE-50 Bus
32	Long Transmission Line Panel (MOD Bus)	01	MD Electricals	--	400 km Transmission Line Simulation Panel, 5PI section with RS-485
33	ETAP Software	01	etap	85234090	ETAP Software
34	Kit of VSI fed PMSM control characteristics.	01	DGP Enterprises	-	O/P 415V line to line O/P load capacity 50W per phase. MOSFET based. $^1/_2$HP AC Moror.
35	Computers	10	Lenovo	-	Core: i3, RAM : 4 GB, HDD: 500 GB Display: 19.5"X, DVDRW Win: 8.1 Pro,3 Yrs

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PUPN/Engg 124/1998 1

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					1 GB Graphics
36	Clamp on Meters Krykard F403	01	Krykard	F403	Clamp on Meters
37	Computers	04	Lenovo	-	Core: i3, RAM : 4 GB, HDD: 500 GB Display: 19.5"X, DVDRW Win: 8.1 Pro,3 Yrs 1 GB Graphics
38	Laptop	01	Lenovo ThinkPad	-	Core: i5, RAM : 4 GB, HDD: 1TB/12GBC/W8.1/P600FXF D,PG005FXFG Win: 8.1 Pro,3 Yrs 1 GB Graphics
39	Computers	01	Lenovo	-	Core: i3, RAM : 4 GB, HDD: 1 TB, Display: 19.5" DVD Win: 10 Pro,KB MS,3 Yrs 1 GB Graphics
40	Computers	01	Lenovo	-	Core: i7, RAM : 16 GB, HDD: 1 TB+240Gb Display: 21.5"X, SSD,DVD Win: 10 Pro,KB MS,3 Yrs
41	Computers	10	Lenovo	-	Core: i3, RAM : 4 GB, HDD: 1 TB Display: 19.5"X, DVD Win: 10 Pro, KB MS,3 Yrs 1 GB Graphics
42	Smart TV LG	01	LG	UN7365	165.1 cm 4 k smart UHD TV
43	Document Camera	01	EPSON Make	ELPDC21	Full HD desktop camera with 12x optical zoom.
44	Ahuja Pa Lecturn System	01	Ahuja	WSL-2500R	Ahuja Pa Lecturn System with Inbuilt Speakers,Amplifire,Cordless mic,PodiumMic,USB port.
45	Portable Appliance Tester (Donated)	01	Meggar	PAT420-IN	Portable Appliance Tester
46	Hand Held Motor Tester (Donated)	01	Meggar	MTR-105	Hand Held Motor Tester 1kV,BattaryPower,MemoryStorage,USB Download with standard test lead set and kelvin test lead set-all languages.
47	Elspec Pure Black Box Power Quality Analyzer	01	Elspec Engineering	SPG-531A-	Elspec pure black box pure 3 phase class A continuous

Place: Pune
Date: 20 April 2022

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			g Pvt.Ltd.	0090K	recorder with PQSCADA sapphire professional version set of four flexi current clamp 30A/300A/3000A,8GB memory control extension module having AC power supply LAN PORT RJ 45,USB data and WIFI.
48	Laptop	01	Panasonic	S/N1DTSA30249	CORE I5 8365U | 8GB RAM | 256 SDD | WINDOWS 10 PROFESSIONAL| 14 " HD LCD SCREEN (SUNLIGHT READABLE)| NO CAMERA | NO DVD | PORTS: 2X USB 3.1, 1X USB 3.1 TYPE C PD, 1X HDMI, 1X LAN AND MICRO SDCX | WIFI, BLUETOOTH | MIL STD-810, IP 53 |SMART CARD READER | 6 CELL BATTERY | 3 YRS WARRANTY ON MAIN UNIT, 1 YEAR ON ACCESSORIES (BATTERY & ADAPTOR)
49	Electrical Surge Protector LA-ST60-3Y2	01	SineTamer	LA-ST60-3Y2	Electrical Surge Protector LA-ST60-3Y2 for main incomer panel protection – L1+L2+L3+N+G configuration 440V AC,20 Year unlimited warranty Made in USA.
50	Electrical Surge Protector RM-ST40-3Y2	01	SineTamer	RM-ST40-3Y2	Electrical Surge Protector RM-ST40-3Y2 for drive power side/sub panel protection- L1+L2+L3+N+G configuration 440V AC,15 Year unlimited warranty Made in USA.
51	Technical Workbench	01	Messung Global Connect Pvt.Ltd.	–	Technical Workbench with Instrument Shelf (Champion) - MS table - 2000mm (L) X 850mm (D) X 780 mm (H) - Electrical Panel 9nos 5/15A power sockets, 32 A MCB, Cantilever Arm with 20w LED Tube light - Messung Make Revolving Stool model AFM-ST-Leather -1 no
52	Floor Mounted Active Harmonic Filter	01	EPCOS	–	60Amp Floor Mounted Active Harmonic

Place: Pune
Date: 20 April 2022

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					Filter Enclosure 60 Amp Active Harmonic Filter PQSine - I - AHF 3P4W 60A H Module HMI 7inch LCDisplay MCCB 125A,25KA, Busbar and Other Hardware with Accessories
53	Modbus Datalogger	01	Viltrus MX1	Viltrus MX1	(RS485/RS232)
54	UMG-604E	01	Messung System Pvt. Ltd.	-	UMG 604E-PRO(52.16.202) - UMG 604E-PRO,95-240 V
55	Fluke-430-II/MA-430 Kit	01	Revine Technologies Pvt. Ltd.	-	Fluke -430-II/MA--430-II_Motor_Analyser_Upgrade_Kit
56	Power Logger Advance Version	01	Revine Technologies Pvt. Ltd.	-	Power Logger Advances Version with Fluke 1730 iFlex Current probe 3000 A 24 IN, 4 Pack
57	Load Bank	01	Waveforms	Waveforms	3PH DIODE RECTIFIER PANEL FOR HARMONICS GENERATION (3RD, 5TH, 7TH, 11TH...)
58	Triplen Eliminator	01	Waveforms	Waveforms	45AMPS 3PH(10 KVA , 15 amps ,ZPS Current =45 amps)
59	Revcon 4KW Passive Harmonic Filter	01	VERICON Carmitech Pvt Ltd	-	RHF-5P 4.0-400-50-20-C (To be imported from Revcon Germany/Singapore)
60	Opensourceopenzmeter	01	PQ Excel Solution LLP	-	3-phase version. (To be imported from Spain)
61	Power Quality Practitioner Training Tool	01	PQ Excel Solution LLP	-	PQSim 200 Standard Set / 50Hz and 230VAC version (To be imported from Thailand)
62	DC Current Clamp (1500A DC/1000A AC)	01	Elspec Engineering (India) Private Limited	-	1,500A DC / 1,000A AC

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998 1

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Name of Laboratory: Programming Laboratory

Sr. No.	Name of Equipment with Specification	Total Quantity	Rate per Quantity	Total Amount
1	Desktop Computer Make: LENOVOProcessors: Core i3, Motherboard: Compatible to core i3 Processor, HDD: 500 GB SATA HDD RAM: 4 GB RAM DDR-III, Display: 19.5" LED Display Screen, DVD RW Drive, SMPS with Cabinet,Keyboard: Multimedia Keyboard, Mouse: Optical Mouse, Operating System : Preloaded Windows 8 License with media Warranty 3 years	13	49925.00	649025.00
2	Desktop Computer, Make: Lenova Think Centre Processors: Core i3 4th Gen, Motherboard: Compatible to core i3 Processor, HDD: 500 GB HDD RAM: 4 GB RAM, Graphics Card: 1GB Graphics Card, Display: 19.5" LED Display Screen, DVD RW Drive, SMPS with Cabinet, Keyboard: USB Multimedia Keyboard, Mouse: USB Optical Mouse, Operating System: Preloaded Windows 8.1 Professional License Warranty: 3 years onsite	9	59594.00	536346.00
3	UPS 7.5 KVA with Batteries 1)IGBT Base 2) Input Voltage : 230 V AC, Single Phase 3) Suitable for minimum 20 PC's for 30 minutes backup, along with interconnecting cable, steel rack. 16 batteries for each UPS (02UPS* 16 Batteries=32 Batteries 26AH)	1	130800.00	130800.00

Name of Laboratory: Project and Linux Laboratory

Sr. No.	Name of Equipment with Specification	Total Quantity	Rate per Quantity	Total Amount
1	Lenovo Desktop COMPUTER:Processors:Core i3 C3.3Mhz 3MB(cache) Motherboard: i3 Processor HDD: 500Gb SATA HD RAM: 4GB RAM DDR3 Display: 18.5" wide LED Display Screen DVD RW Drive Graphics: Integrated onboard Graphics Card SMPS: with Cabinet Keyboard	15	32550.00	488250.00
	Lenovo Desktop COMPUTER:Processors:Core i3 C3.3Mhz 3MB(cache) Motherboard: i3 Processor HDD: 500Gb SATA HD RAM: 4GB RAM DDR3 Display: 18.5" wide LED Display Screen DVD RW Drive Graphics: Integrated onboard Graphics Card SMPS: with Cabinet Keyboard	20	48390.00	967800.00
2	Lenovo Desktop Pc, 3 Mb Cache, 1066 Mhz,4gb 1333 Fsb, Intel Core Duo,1014 Mb Ram	05	27700.00	138500.00
3	Scanner:	1	19950.00	19950.00

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
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	HP Scanjet 5590 digital flatbed scanner			
3	Dot Matrix Printer	2	7100.00	14200.00
		1	7100.00	7100.00
4	24 PORT Switch 10/100 Unmanaged D-Link 10/100 MBPS	2	16995.00	33990.00
5	7.5 KVA UPS alongwith SMF Batteries 12V/ 18 AH (16 Nos) and Ms Rack	2	120955.00	241910.00
6	Server: Intel Xeon min 3.0 Ghz or higher Dual CPU capable, 2 MB L2 Cache, 2GB expandable, 12GB RAM, SCSI controller, DVD ROM, OS	1	122000.00	122000.00

Name of Laboratory: Software Laboratory

Sr. No.	Name of Equipment with Specification	Total Quantity	Rate per Quantity	Total Amount
1	LenovoDesktop COMPUTER:Processors:Core i3 C3.3Mhz 3MB(cache) Motherboard: i3 Processor HDD: 500Gb SATA HD RAM: 4GB RAM DDR3 Display: 18.5" wide LED Display Screen DVD RW Drive Graphics: Integrated onboard Graphics Card SMPS: with Cabinet Keyboard	38	32550	1236900
2	Wipro Desktop Computer 01.1GB DDR3 RAM 01.1GB DDR3 RAM 160GB HDD SATA:-7200RPM DVD RW Drive Multimedia Keyboard Optical Mouse Professional Service Windows XP Professional Service 17" TFT Monitor	3	29423	88269
3	Dot Matrix Printer	4	6750	27000
3	Dot Matrix Printer	1	9350	9350
		1	7100	7100
4	24 PORT Switch 10/100 Unmanaged D-Link 10/100 MBPS	2	16995	135285
5	7.5 KVA UPS alongwith SMF Batteries 12V/ 18 AH (16 Nos) and Ms Rack	1	135285	135285
		1	1,30,800	1,30,800
6	Air Conditioner 2.0 Ton Make Godrej	1	55350	55350

Name of Laboratory: Software Computing Laboratory

Sr No	Name of Equipment with specification	Total Quantity	Rate Per Qty	Total Amount
1	LENEVO DESKTOP PC INTEL CORE DUO CPU 2.66GHZ 1014 MB RAM 3MB L2 CACHE 8 USB PORTS G31 CHIPSET With Windows Vista license	33	26634.65	878943.45

Place: Pune
Date: 20 April 2022

INSTITUTE OF INFORMATION TECHNOLOGY * AISSMS * PUNE * UoP Id. No. PU/PN/Engg 124/1998 1

(Authorized Signature)
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2	Lenovo desktop PC Ram 4 GB I3 Processor, HDD 1 TB ,18.5 LED Display,1 GB graphics card, Keyboard ,Mouse, OS Windows 10 with License	10	65136	651360
3	Lenovo desktop PC Ram 4 GB I3 Processor, HDD 1 TB ,18.5 LED Display,1 GB graphics card, Keyboard ,Mouse, OS Windows 10 with License	7	66906	468342
4	Lenovo desktop PC Ram 4 GB I3 Processor, HDD 1 TB ,19.5 LED Display,1 GB graphics card, Keyboard ,Mouse, OS Windows 10 with License	7	65873	461114
5	Desktop PC RAM 2 GB I2 Processor, , Keyboard ,Mouse, OS Windows 7 with License	1	48390	48390
6	SWITCH24 Port Dlink switch	2	16995	33990
7	UPS 7.5 KVA 30 MIN BACKUP, ONLINE SINEWAVE TECHNO VISION	1	80868	80868
8	PRINTER EPSON LX 300+II[2]	1	7100	7100

Laboratory: Advanced Software Laboratory

Sr. No.	Name of Equipment with Specification	Total Quantity	Rate per Quantity	Total Amount
1	DESKTOP COMPUTER MAKELENEOVO CORE I3,HDD 500GB	1	32550	32550
2	DESKTOP COMPUTER MAKELENEOVO CORE I3,HDD 500GB	6	48390	290340
3	LENOVO DESKTOP PC, 3 MB CACHE, 1066 MHZ,4GB 1333 FSB, INTEL CORE DUO,1014 MB RAM	6	26634.65	159807.9
4	Desktop Computer, Make: Lenova, Processors: Core i3 4th Gen, Motherboard: Compatible to core i3 Processor, HDD: 500 GB HDD RAM: 4 GB RAM, Display: 18.5"	19	54021	1026399
5	DESKTOP COMP MAKE LENOVO THINKCENTER CORE I3 HDD: 500GB RAM 4GB GRAPHICS CARD:1GB DISPLAY:19.5"	10	59594	595940
6	UPS 7.2 KVA ONLINE PURE	1	80868	80868
7	UPS 7.2 KVA ONLINE PURE	1	135285	135285
8	EPSON DOT MATRIX 300-	1	6491	6491
9	EPSON DOT MATRIX 300+	2	7100	14200
10	EPSON LX DOT MATRIX 300+II	1	7100	7100
11	D-LINK SWITCH 24 PORT(GB)	2	16995	33990
			Total	2382970.9

Place: Pune
Date: 20 April 2022

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Name of Laboratory: Hardware & Microprocessor Laboratory

Sr. No.	Name of Equipment with Specification	Total Quantity	Rate per Quantity	Total Amount
1	MicrocontrollerKit PIC 16F877 Microcontroller Kit	1	4050.00	4050.00
2	8086 Kit Ansuman 8086 Kit	2	7312.50	14625.00
3	Trainer Kit Digital Trainer Kit.	4	5484.00	21936.00
4	Microcontroller 8051 Microcontroller Kit	5	5250.00	26250.00
5	C.R.O Scientech (**Model:** Caddo 803)	2	16400.00	32800.00
6	8255 Interfacing kit with 8086	12	1600.00	19200.00
7	Successive approximation ADC	5	1000.00	5000.00
8	Dual slope ADC	12	1000.00	12000.00
9	Digital to Analog Converter Card	5	1000.00	5000.00
10	Stepper motor kit	12	1800.00	21600.00
11	8253 kit	6	1600.00	9600.00
12	8279 KB/display Kit	6	1600.00	9600.00
13	8251 kit	20	1600.00	32000.00
14	8259 kit	12	1600.00	19200.00
15	8086 processors	10	9000.00	90000.00
16	Digital to Analog Converter card	5	1000.00	5000.00
17	Analog to Digital Converter card	5	1000.00	5000.00
18	Stepper motor	5	1800.00	9000.00
19	CRO 30MHz 2 channel,4 Trace oscilloscope	2	14175.00	28350.00
20	8253 Kit Should operate in each mode, mode 0 to mode 6	8	1935.00	15480.00
21	8279 K/B Display Kit. Display characters in right entry mode, left entry, Rolling display, Flashing display.	8	2407	19256.00
22	8251 Kit Communication should possible between two 8251 in asynchronous mode.	8	1960	15680.00
23	8259 Kit Interface with 8086,should operate in cascade mode.	8	2134.00	17072.00
24	8086 Microprocessor Trainer Kit	10	8436.00	84360.00

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

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Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

Name	Specification	Qty
Desktop Computer	Acer Veriton M200,G31,CORE 2 QUAD 2.3 GHZ M/B INTEL ORIGIONAL,320 GB HDD SATA,2GB DDR2,18.5" LCD MON. K/B, OPTICAL MOUSE	34
Desktop Computer	LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,2GB DDR-II SDRAM, Extendable upto 8GB, 320GB SAT A HDD, cache memory 3MB L2 cache, DVD R/W drive, 18.5" TFT Display, Multimedia keyboard, Optical Scroll mouse ,10/100/1000 LAN, 56 Kbps PCI Modem, Audio chipset, Realtek AL C888S, Video interface, , OS Windows 7 business along with paper licenses with starter kit.	64
Desktop Computer	LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,2GB DDR-II SDRAM, Extendable upto 8GB, 320GB SAT A HDD, cache memory 3MB L2 cache, DVD R/W drive, 18.5" TFT Display, Multimedia keyboard, Optical Scroll mouse ,10/100/1000 LAN, 56 Kbps PCI Modem, Audio chipset, Realtek AL C888S, Video interface, , OS Windows 7 business along with paper licenses with starter kit.	7
Desktop Computer	Desktop Computer, Lenovo Think Centre Processors: Core i3 4th Gen, Motherboard: Compatible to core i3 Processor, HDD: 500 GB HDD RAM: 4 GB RAM, Graphics Card: 1GB Graphics Card,Display: 19.5" LED Display Screen, DVD RW Drive, SMPS with Cabinet, Keyboard: USB Multimedia Keyboard, Mouse: USB Optical Mouse, Operating System: Preloaded Windows 8.1 Professional License Warranty: 3 years onsite	15
Desktop Computer	LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,2GB DDR-'	5
Desktop Computer	Desktop Computer, Lenovo Think Centre Processors: Core i3 4th Gen, Motherboard: Compatible to core i3 Processor, HDD: 500 GB HDD RAM: 4 GB RAM, Graphics Card: 1GB Graphics Card,Display: 19.5" LED Display Screen, DVD RW Drive, SMPS with Cabinet, Keyboard: USB Multimedia Keyboard, Mouse: USB Optical Mouse, Operating System: Preloaded Windows 8.1 Professional License Warranty: 3 years onsite	10
Desktop Computer	Desktop Computer, Lenovo Think Centre Processors: Core i3 4th Gen, Motherboard: Compatible to core i3 Processor, HDD: 500 GB HDD RAM: 4 GB RAM, Graphics Card: 1GB Graphics Card,Display: 19.5" LED Display Screen, DVD RW Drive, SMPS with Cabinet, Keyboard: USB Multimedia Keyboard, Mouse: USB Optical Mouse, Operating System: Preloaded Windows 8.1 Professional License Warranty: 3 years onsite	10
Printer	Epson Dot Matrix printer LX-300+II	1
Server	IBM Procersor.Intel Xeon E5450,3.004Hz,139MHz,12MB,L2cache,HDD SAS 3009B ,Ram	1

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Server	Dell powerEdge T430 Tower server Intel® Xeon® E5-2620 processor 8GB RDIMM, 1600MT/s,1X500GB 3.5-inch 7.2K RPM SATA II Hard drives Non Hotplug On-Board SATA Controller Min 1 Max.2SATA hard Drives 0 Dual port Netwark Card 6 4PCIe G2slots Single HOT plug Powar Supply 350W Chassis with up to 8 x 3.5 Hot plug Hard Drives # Years Next Business Day Onsite.	1
Printer	Printer HP Laser HP1007L J	1
Printer	Printer HP Laser HP1007L J	1
Printer	Printer HP Laser HP1008L J	7
Printer	Printer Ricoh SP 2003	3
Scanner	HP ScanJet 4010	2
LCD Projecter	Sony Make VPL DX-120	2
LCD Projecter	Sony Make VPL DX-220	1
UPS	10 KVA Online UPS	1
UPS	20 KVA Online UPS	1
UPS	7.5 KVA Online UPS	2
A.C	Air Conditionar	1
LAP TOP	Note Book Lenovo think pad E450 20DDA0421G 15/4GB/1TB/12GBC/W8.1/P600FXFD,PG00FXFG	1
UPS	UPS 7.5 KVA	1
Firewall	CRI-0300iNG-Xp-01	1
Software	Firewall Software	1
Switch	Cisco 48 port Switch (S4300-52)	10
Speasker	Intex mm Speasker 2.1	1
TV	Smart TV L.G 165.1.cm 4k Smart UHDTV	1
ISR Switch	Cisco ISR 1100 (8 Port)	1
Tablet	Samsung Tablet	1
Laser Printers	Printer HP Lasere 1000	2
ColorPrinte	EPSON Color L3110	1
Scanner	Scanner	1
LCD Projecter	Sony Make VPL DX-221	1

List of Major Equipment / Facility in each Laboratory / Workshop (Instrumentation)

Sr No	Items	Qty.	Date o Purchase	Rate/Item (Rs.)	Cost(Rs.)
1	Digital Storage Oscilloscope	01	16/10/2001	3,19,580.00	3,19,580.00
2	Universal Counter	01	16/10/2001	52000.00	52000.00
3	LabviewSoftware (10Users)	01	23/01/2008	2,71,700.00	2,71,700.00

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4	Arbitrary waveform Generator (Protec9340)	01	27/3/2008	81,100.00	81,100.00
5	LABVIEW Elvis	01	09/03/2009	2,56,308.00	2,56,308.00
6	DAQ Card	01	3/2/2016	62196.75	62196.75
7	Audiometer	01	13/06/2003	52000.00	52,000.00
8	Defibrillator Demo	01	12/02/2008	59,753.00	59,753.00
9	UV-VIS	01	22/02/2010	1,60,461.00	1,60,461.00
10	ECG Machine	01	02/09/2017	98,500.00	98,500.00
11	IBM White(P3	01	17/11/99	66,500.00	66,500.00
12	UPS 7.5KVA	01	20/01/14	79,999.00	79,999.00
13	Lenovo Desk-Top V520-15IKL.	03	09/01/18	61153.50	183460.5
14	Lenovo Commercial Desktop.	05	01/04/19	66906.00	334,530.00
15	Micrologix 1200 Allen	01	08/01/2007	1,50,847.00	1,50,847.00
16	Control Valve Trainer Kit	01	26/02/2008	50,203.00	50,203.00
17	Hydraulic	01	23/04/2008	1,32,890.60	1,32,890.00
18	Electro Pneumatic	01	23/04/2008	68,906.25	68,906.25
19	Flow Level	01	25/03/08	1,12,500.00	1,12,500.00
20	Temp.Pressure Loop	01	25/03/08	1,30,950.00	1,30,950.00
21	Programmable Logic controller	01	29/03/09	2,47,500.00	2,47,500.00
22	Process Calibrator	01	14/03/2010	1,40,625.00	1,40,625.00
23	Universal Process	01	29/09/2014	7,74,000.00	7,74,000.00
24	Micrologix PLC Allen	01	16/5/17	61,200.00	61,200.00
25	VWSB015 AENE	01	16/5/17	1,88,500.00	1,88,500.00
26	VWSTEN	01	16/5/17	2,27,000.00	2,27,000.00
28	Dead Weight Tester	01	06/01/07	57,971.00	57,971.00
29	Vibration Tester	01	29/03/09	54000.00	54000.00
30	Level trainer Loop	01	11/12/2014	87750.00	87750.00
31	Flow trainer Loop	01	11/12/2014	2,60,437.00	2,60,437.00
32	Universal I C Tester	01	2/09/2017	56,600/-	56,600/-

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INSTITUTE OF INFORMATION TECHNOLOGY AISSMS'S PUNE UoP Id. No. PU/PN/Engg 124/1998

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Sr No	Name of Laboratory	Name of Equipment	Manufacturer	Model no	Important technical Specifications
1	Data Structures and Algorithms Lab	Lenovo Computer	Lenovo	MT-M 10AS-A011IG	lenovo M71E, processor core i3, 3.3Mhz, 3MB cache, motherboard compatibility:- i3 HDD :-500GB SATA, RAM:- 4GB DDR3, Display, 18.5 wide LED display screen, DVD RW driver, graphics card, sms with cabinet, keyboard-multimedia & USB, Mouse:- Optical USB mous
2	Internet of Things Lab	Lenovo Computer	Lenovo	MT-M 3597-AG4	lenovo M71E, processor core i3, 3.3Mhz, 3MB cache, motherboard compatibility:- i3 HDD :-500GB SATA, RAM:- 4GB DDR3, Display, 18.5 wide LED display screen, DVD RW driver, graphics card, sms with cabinet, keyboard-multimedia & USB, Mouse:- Optical USB mous
3	Operating System Lab	Lenovo Computer	Lenovo	MT-M 10NL-S08U00	LENOVO DESKTOP V520-15IKL-10NLS08Uoo i3 7TH GEN,4GB RAM,1TB HDD,DVDRW,KB,MOU SE,WINDOWS PRO 18.5
4	Data Structures Lab	Lenovo Computer	Lenovo	MT-M 10AS-A011IG	lenovo M71E, processor core i3, 3.3Mhz, 3MB cache, motherboard compatibility:- i3 HDD :-500GB SATA, RAM:- 4GB DDR3, Display, 18.5 wide LED display screen, DVD RW driver, graphics card, sms with cabinet, keyboard-multimedia & USB, Mouse:- Optical USB mous

Place: Pune
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INSTITUTE OF INFORMATION TECHNOLOGY * AISSMS * PUNE * UoP Id. No. PUI/PN/Engg 124/1998

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List of Major Equipment / Facility in each Laboratory / Workshop (E&TC)

Sr. No	Particular
1	Antenna System Analyzer (850MHz-1300MHz)
2	Antenna Training lab (5 MHz-to-2 GHz)
3	RF Spectrum Analyzer (9KHz to 3GHz)
4	Optical Time Domain Reflectormeter
5	Optical Dectetor Characteristics
6	Electrical & Optical Characteristics of different light sources
7	3G Mobile trainer Kit
8	1300nm led char. Kit $1300nm Optical Power meter
9	TVE Lab set up
10	61/2 digit digital Multimeter
11	Anteena Trainer System (Amtech Make)
12	Arbitrary Function / waveform generator
13	Mixed signal Oscilloscope
14	2651A Understanding LED Television
15	Study Application Data AcquisitionSystem --2311
16	Asix Forte Universal in circuit USB Programmer(kit)
17	UV Exposure/Iron uv exposure machine
18	PCB Prtotype Machine -Nvis 72-
19	Tina Design Suit Design Suit (with PCB Design)
20	PTH for Double sided-Electroplating System
21	Tektronix Digital Oscilloscope 2 channel 70 Mhz
22	LG Smart TV

List of Major Equipment / Facility in each Laboratory / Workshop (Engineering Science)

Sr No	Name of Laboratory	Name of Equipment	Manufacturer	Model no	Important technical Specifications
1	SME Lab	Vehicle System Engine Chasi	Infetech		
2	SME Lab	Model of Window	Infetech		
3	SME Lab	Window Air Conditioner	Infetech		
4	SME Lab	3 D Printer molding Technology	Infetech		
5	SME Lab	Model of Compressor	Infetech		
6	SME Lab	Model of Impales Wheel Turbine	Infetech		
7	SME Lab	Power Train System	Infetech		
8	Engineering Physics	Hall effect setup	Samit Enterprises Avon Electronics		
9	Engineering Physics	He-Ne Laser	Samit Enterprises Sourav santific		Wavelength :632.8 nm ,Output Power

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AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

					:10.0 mW Beam Diameter (1/e²) :0.80 mm
10	Engineering Physics	He-Ne Laser	Sourav Santific		Max. displacement of the reflector : 20 mm Required Quantity of liquid: 10 c.c. Least Count of micrometer: 0.01mm/0.001 mm
11	Engineering Physics	Ultrasonic Interferometer	Oriental Scientific Instuments		Laser, He-Ne 1.0 mW, 220 V
12	Engineering Physics	Law of Malus	VIIS Electronic		
13	Engineering Physics	Gauss View05 for Windows	Scube Scientific		
14	Workshop	Drilling Machine	JH Enterprizes		
15	Workshop	Turning Machine	JH Enterprizes		
16	Workshop	CNCmilling	Xtreme Equipment Pvt Ltd		
17	Workshop	CNC turning	Xtreme Equipment Pvt Ltd		
18	Chemistry	pH-meter	EQUIP Tronics	EQ-610	Digit LED Display Digital Ph Meter, For Laboratory, 1 Kg
19	Chemistry	Colorimeter	EQUIP Tronics	EQ-650A	230 V AC +- 10% 50 Hz, 10 VA
20	Chemistry	Digital Balance	High Precision	PGB-200	0 to 200 gm
21	Chemistry	Digital Conductivity meter		Table Model-611,Make -EI	using Latest microcontroller, Auto Ranging (5 rangsfrom 200us to 1000ms

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Sr. No.	Name Experimental Setup	Equipment required
Drives and Power Electronics Laboratory		
1	Static VI characteristic of SCR	SCR characteristic kit, Power scope, Multi meter.
2	Static VI characteristic TRIAC	TRIAC characteristic kit, Power scope, Multi meter.
3	Single phase half controlled converter with R & RL load	1 phase converter kit, Power scope, DC Motor.
4	Single phase fully controlled converter with R load	1 phase converter kit, Power scope, Lamp.
5	Single phase A.C. voltage regulator	Voltage regulator kit, Power scope, Multi meters, Lamp.
6	Output and Transfer Characteristic of MOSFET & IGBT	MOSFET & IGBT characteristic kit , Power scope, Multi meters
7	Study of Chopper fed D.C. separately excited motor speed control characteristics.	Chopper converter kit, separately excited D.C. motor, Multi meter, Tachometer, Power scope.
8	Study of electrical braking of 3 phases Induction Motor (Plugging).	3 phase induction motor, Rheostat, Voltmeter, Ammeter, Tachometer.
9	Study of VSI fed 3 phase Induction motor (using V/f control PWM inverter) speed control characteristics.	3 phase induction motor, Rheostat, Voltmeter, Ammeter, Tachometer, PWM Inverter
10	Verification of truth tables of logic gates	Trainer Kit , experiment Panel of Logic gates , connecting probes
11	Study of various flip-flops and verification of truth table.	Trainer Kit , Experiment Panel of Flip flops , connecting probes
12	Study and verify shift register operation (IC 7495).	Trainer Kit , Experiment panel of Shift registers ,connecting probes
13	Study of up - down counters (IC 74192/74193) and N- modulo counter. (IC7490/7493).	Kit of Counter , DC supply , connecting probes
14	Study of ring counter and twisted ring counter.	Trainer kit , IC 74195, connecting probes
15	Study of op-amp as a ZCD &Comparator	Trainer kit. Panel for comparator Experiment , Connecting Probes , CRO
16	Study of Op-amp as Schmitt trigger.	Trainer kit. Panel for comparator Experiment , Connecting Probes , CRO
17	Study of Op-amp as sine, and triangular wave generator	Bread board IC 741, connecting probes, CRO .resistance and capacitor of appropriate values.
18	Study of Instrumentation amplifier using three Op-amp, CMR measurement	Instrumentation Amplifier Kit , Power Supply , Millimeter , Connecting Probes
19	Study of IC-555 applications- astable, monostablemultivibrator.	Trainer kit, Monostablemultivibrator and astablemultivibratorexpt panel , CRO , Stop watch , Connectingprobes
20	Study of Single Phase half- wave bridge rectifier with RL load.	Transformer 220/12V,diodes ,load , connecting wires ,multimeter, CRO
21	Study of Single Phase Full-wave bridge rectifier with RL load.	Transformer 220/12V,diodes ,load , connecting wires ,multimeter, CRO
22	Deign 3:8 decoder for binary to octal	Trainer Kit , Connecting Probes

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	decoding	IC 7404 , IC 7408
23	Design digital clock or stop watch using decade counter.(IC74192)	Trainer Kit , Connecting Probes IC 74192
Power System Laboratory Basic Electrical Laboratory		
1	Measurement of ABCD parameters of a medium transmission line	Medium transmission line panel, Ammeter, Voltmeter, Wattmeter, Autotransformer
2	Measurement of ABCD parameters of a long transmission line	Long transmission line panel, Ammeter, Voltmeter, Wattmeter, Autotransformer
3	Plotting of receiving end circle diagram to evaluate performance of medium transmission line	Medium transmission line panel, Ammeter, Voltmeter, Wattmeter, Autotransformer
4	Study of the effect of VAR compensation using capacitor bank.	Long transmission line panel, Ammeter, Voltmeter, Wattmeter, Autotransformer
5	To study safety precautions while working on electrical systems, handling of various equipment's such as multimeter, ammeters, voltmeters, wattmeter's, real life resistors, inductors and capacitors	AC&DC Ammeter AC&DC voltmeter AC/DC wattmeter Resistor Inductor Capacitor
6	To calculate and measure of charging and discharging of capacitor and observe the response on storage oscilloscope.	RC Series Circuit Kit CRO, Multimeter Function Generatior Patch chord , Probe
7	To measure steady state response of series RL and RC circuits on AC supply and observations of voltage and current waveforms on storage oscilloscope.	RL Series Circuit Kit RC Series Circuit Kit CRO, Multimeter, Patch chord , Probe Function Generatior AC milli ammeter
8	To derive resonance frequency and analyze resonance in series RLC circuit.	RLC Series Circuit Kit Function Generatior, CRO, Multimeter, Patch chord , Probe
9	To verify KVL and Superposition theorem	Dual Power Supply KVL Kit, Superposition theorem Kit
10	To verify Thevenin's theorem in a DC network	Dual Power Supply Thevenin's theorem Kit
11	To measure insulation resistance of electrical equipment's/cable using Megger	Megger Resistive materials
12	To demonstrate different types of electrical protection equipments such as fuses, MCB, MCCB, ELCB	MCB MCCB ELCB
13	Study of switchgear testing kit.	Switchgear Testing kit
14	Study of Fuse, MCB & their testing.	Switchgear Testing kit MCB 150kA, I_{cm} = 10kA, 240V/415V, C10
15	Study & testing of contactors.	Switchgear Testing kit, Contactor 220V, Rated Current forResistive load AC1 = 30 Highly inductive AC3 = 10, Autotransformer :0-270V, 1KVA Voltmeter (0-300V) AC
16	Study & testing of ACB.	Switchgear Testing kit

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		ACB : CN-CS400, In = 400A Ve = 415V 50/60Hz, I_{cu} = 36.6KA I_{cs} = 36.6KA, I_{cw} = 25KA Utilization category - B
17	Study & testing of thermal overload relay.	Switchgear Testing kit, Thermal Overload Relay : Start and Off or reset Control contacts : 500V, 50Hz, 2A, Max fuse-6A, Power contacts : 660V, 50Hz, L&T MN2, Contactor : MN12W contactor 3Ph, 415V, 12A, 7.5KW
18	Percentage differential protection of transformer.	Percentage differential protection panel for 3Ph power transformer
19	Protection of alternator.	Percentage differential protection panel for alternator
20	Protection of Transmission line using Impedance relay.	Long transmission line model
21	To determine Steady state stability of medium transmission line	Long Transmission Line model, Ammeter, Voltmeter, Wattmeter
Microprocessor and Control Systems Laboratory **PLC & SCADA Laboratory**		
1	Experimental determination of DC servo motor parameters for mathematical modeling, transfer function and characteristics.	DC servo motor kit ,Connecting probes , Multimeter,Tachometer
2	Experimental study of time response characteristics of R-L-C second order system: Validation using simulation.	Variable resistor ,Inductor ,Capacitor,
3	Transfer function of any physical systems (AC Servomotor/Two Tank System/Temperature control/level Control)	Transfer function of any physical systems
4	Study of Synchro Transmitter receiver	Synchro Transmitter receiver
5	Experimental analysis of D.C. Position Control System	DC position control KIT
6	Interfacing of lamp & button with PLC for ON & OFF operation. Verify all logic gates.	Programmable Logic Controller (PLC) with software Built in power supply Input Power - 120/240V AC, 24V DC, Battery backup Memory – Non volatile battery backed RAM, 10K 20 Digital Inputs – (12) Fast 24V DC, (8) Normal 24V DC 12 Digital Outputs 2 Analog Inputs & 2 Analog Outputs Serial Ports - RS 232, RS485 Ethernet Ports – (1) 10/100 EtherNet/IP port LEDs/Indicator lamps, Push buttons, Switches PLC Software – RSLogix500 SCADA Software – Factory Talk View Studio Computer – Lenovo System – Microsoft Windows XP Professional, Version 2002 Tank with coil arrangement.
7	Set / Reset operation: one push button for ON & other push button for OFF operation.	
8	Delayed operation of lamp by using push button.	
9	UP/DOWN counter with RESET instruction.	
10	Combination of counter & timer for lamp ON/OFF operation.	
11	PLC based thermal ON/OFF control.	
12	PLC interfaced with SCADA & status read/command transfer operation.	
13	Parameter reading of PLC in SCADA.	
14	Alarm annunciation using SCADA.	
15	Reporting & trending in SCADA system.	
16	Tank level control by using SCADA.	
17	Temperature monitoring by using SCADA.	
18	Study of Star Delta Starter in Induction motor.	

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INSTITUTE OF INFORMATION TECHNOLOGY * AISSMS * PUNE * UoP Id. No. PU/PN/Engg 124/1998 1

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19	Traffic Light Control by using SCADA	Star Delta Starter Panel.
20	Study and use of 8051 Microcontroller trainer kit.	8051 Microcontroller development Board
21	Assembly Language Program for arithmetic operation of 8 bit numbers.	8051 Microcontroller development Board
22	Assembly Language Program for finding largest number and smallest number from a given array of 8 bit numbers.	8051 Microcontroller development Board
23	Assembly Language program to arrange 8 bit numbers stored in array in ascending order and descending order.	8051 Microcontroller development Board
24	Assembly Language Program for data conversion.	8051 Microcontroller development Board
25	Assembly Language Program for use of Timer/Counter for various applications.	8051 Microcontroller development Board
26	Programming using cross assembler	Software cross compiler
27	Blinking display of LED's interfaced with 8051 through 8255.	8051 Microcontroller development Board with 8255 card
28	Interfacing of 8 bit DAC 0808 with 8051 to generate various waveforms.	8051 Microcontroller development Board with DAC card
29	Interfacing of 8 bit ADC 0809 with 8051 Microcontroller.	8051 Microcontroller development Board with AD C card
30	Interfacing of relay with 8051.	8051 Microcontroller development Board with Relay card
31	Stepper motor control by 8051 Microcontroller.	8051 Microcontroller development Board with stepper motor control card
Electrical Measurement & Instrumentation Laboratory Computer Laboratory		
1	Demonstration of working parts of various types of meter by opening the instrument& explanation of symbols & notations used on instruments.	Respective meters (PMMC,MI, Dynamometer)
2	Extension of instrument range: ammeter, voltmeter, watt meter using CT & PT.	Single phase auto transformer ,CT,PT,LOAD and respective meters
3	Measurement of active & reactive power in three phase circuit using two wattmetermethods (balanced & unbalanced loads).	Three- phase auto transformer,wattmeters ,LOAD and respective meters
4	Measurement of active & reactive power in three phase balanced circuit using onewattmeter method with two way switch.	Three- phase auto transformer,wattmeters ,LOAD and respective meters
5	Calibration of single phase static energy meter at different power factors.	Three- phase auto transformer ,Static energy meter ,LOAD and respective meters
6	Measurement of voltage, current, time period, frequency & phase angle using CRO.	CRO, Std resistance, Rheostat, ammeter,voltmeter
7	Measurement of reactive power by one wattmeter.	Three- phase auto transformer ,LPF wattmeter ,LOAD and respective meters
8	Measurement of power in three phase, four wire system using three CTs & two wattmeter.	Three- phase auto transformer ,wattmeters,CTs,LOAD and respective meters
9	Measurement of resistance by ammeter voltmeter method.	ammeter ,voltmeter, Single phase auto transformer
10	Displacement measurement by LVDT	LVDT kit,CRO

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11	Introduction to MATLAB coding	MATLAB Software
12	Plotting of discrete time wave forms a) sin, b)Unit step c) Exponential	MATLAB Software
13	Effect of sampling and verification of sampling theorem	MATLAB Software
14	Convert a continuous time system to digital control system and check response using software.	MATLAB Software
15	Software programming to check the controllability and observability of the given system in MATLAB	MATLAB Software
16	Software programming to design system by pole placement through state feedback method	MATLAB Software
17	Design State observer and validate it by software	MATLAB Software
18	Software programming for determination of STM	MATLAB Software
19	Software programming for determination of state space representation for given transfer function.	MATLAB Software
20	Software programming for determination eigen values &eigen vector of system matrix	MATLAB Software
21	Design of lead compensator for the given system	MATLAB Software
22	Verification of Superposition theorem in A.C. circuits.	Rheostat, Capacitor, AC Ammeter, Autotransformer
23	Verification of Thevenin's theorem in A.C. circuits.	Rheostat, AC Ammeter, AC voltmeter, Autotransformer
24	Verification of Reciprocity theorem in A.C. circuits	Inductive load bank, Capacitive load bank, Voltmeter, Autotransformer, Rheostat
25	Verification of Maximum Power Transfer theorem in A.C. circuits.	Maximum power transfer theorem kit, Voltmeter, Voltmeter
26	Determination of time response of R-L-C series circuit to a step D.C. voltage input.	Function generator, RLC series circuit, Cathode Ray Oscilloscope, multimeter
27	Determination of parameter of Two Port Network.	Two port Network kit (T & π model), voltmeter , ammeter
28	Determination of time response of R-C circuit to a step D.C. voltage input. (Charging anddischarging of a capacitor through a resistor	Function generator, RC series circuit, Cathode Ray Oscilloscope, multimeter
29	Determination of time response of R-L circuit to a step D.C. voltage input	Function generator, RL series circuit, Cathode Ray Oscilloscope, multimeter
30	To design, set up & study various shunt clipping circuits & series clipping circuitsusing diodes.	Resistor, DC source, Diode, CRO, Multimeter, Function Generator
31	Programming 8051 using Keil	Keil IDE
32	Presentation Skills	Computer lab with MS power point
33	Listening skills	Virtual Lab
34	Business Communication	Virtual Lab
35	i) Introduction to MPLAB. ii) Programs on Addition, Subtraction and Multiplication	MPLAB Software
36	Data transfer to ports	MPLAB Software and PIC18f458 kit and

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		PICKIT3 programmer
37	Timer, Counter, Delay programming	MPLAB Software and PIC18f458 kit and PICKIT3 programmer
38	Interfacing 18F458 to Switch and LED	MPLAB Software and PIC18f458 kit and PICKIT3 programmer
39	Interfacing DC motor with PIC 18F458	MPLAB Software and PIC18f458 kit and PICKIT3 programmer ,
40	Interfacing Stepper motor with PIC 18F458	MPLAB Software and PIC18f458 kit and PICKIT3 programmer
41	Interfacing of LCD [16 X 2] with PIC 18F458	MPLAB Software and PIC18f458 kit and PICKIT3 programmer
42	Generation of square, positive ramp, negative ramp, triangular waveforms using DAC interface	MPLAB Software and PIC18f458 kit and PICKIT3 programmer
43	Interfacing LM35 with PIC 18F458 and display temperature on it.	MPLAB Software and PIC18f458 kit , PICKIT3 programmer Dc motor kit
44	Blinking display of led using Arduino	Arduino IDE
45	Study of energy management tool	PC
46	Study of building codes (green building)	PC
47	Analysis and interpretation of Electricity Bills - College campus	PC
48	Assessment and calculations of energy generated by Solar PV available in college campus	PQ Analyser PC
49	Use of Power Analyser for measurement of electrical parameters useful for energy audit or power quality audit.	PQ Analyser PC
50	Calculation of energy savings in Illumination	PC
51	Use of SMAPEE for Home Audit (Beyond Syllabus)	SMAPEE PC
52	Study of power quality analyzer and measurement of voltage, current, power and power factor using it.	PQ Analyser PC
53	Measurement of harmonic distortion of various Equipments such as UPS /AC/DC drive	PQ Analyser PC
54	Harmonic compliance of institute as per IEEE 519-2014 standard and sizing of active filter.	PQ Analyser PC
55	Power quality audit of institute or department.	PQ Analyser PC
56	Harmonic analysis of transformer for various conditions (no load, inrush, full load etc.)	PQ Analyser PC
57	Analysis of performance of induction motor/transformer operated with sinusoidal supply and under distorted supply conditions supplied by 3 phase inverter.	PQ Analyser PC
58	Measurement of voltage sag magnitude and duration by using digital storage oscilloscope/ power quality analyzer.	PQ Analyser PC
59	Harmonic load flow analysis by using	PC

Place: Pune
Date: 20 April 2022

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	professional software such as ETAP, PSCAD, ATP etc.	ETAP
60	PQ Monitoring using fixed type PQ analyser	PC
61	Stability analysis using a) Bode plotb) Root locus c) Nyquist plot using software	Desktop , MATLAB Software
62	Time response of second order system effect of P,PI, PID on it	Desktop , MATLAB Software
63	Effect of addition of pole-zero on root locus of second order system.	Desktop , MATLAB Software
Project Laboratory **PG Computer Center**		
1	Simulation of single phase AC-DC fully controlled bridge converter for R and RL load	PSIM software
2	Simulation of three phase AC-DC fully controlled bridge converter for R and RL load	PSIM software
3	Simulation of three phase PWM Bridge Inverter for R Load for 120^0 and 180^0 conduction mode	PSIM software
4	Simulation of Single phase A.C. voltage regulator R and RL load	PSIM software
5	Simulation of starting characteristics of D.C. motor.	MATLAB Software
6	Simulation of an electric drive system for steady state and transient analysis.	MATLAB Software
7	Simulation/programming of controller design of PMSM.	MATLAB Software
8	Design of transformer (3phase , distribution)	Autocad Software
9	Development of AC winding (Single layer , Mush)	Autocad Software
10	Development of AC winding(Double Layer , Lap)	Autocad Software
11	Design of Induction motor (3phase , Slip ring)	Autocad Software
12	Use of Finite Element Analysis(FEA) software for analysis of electrical machines, the report should include:a. Schematic diagram (Diagram/FEA model/Layout) b. Current/Flux/Force distribution. c. Analysis by variation of design	Finite Element Analysis(FEA) software
13	Introduction to TESTO Software	TESTO Software
14	To simulate Single Phase Full-wave bridge rectifier with RL load using PSIM	PSIM software , Computer and Printer
15	Solution of a polynomial equation using Birge-Vieta method.	TURBO C , Computer and Printer
16	Solution of a transcendental equation using Bisection method.	TURBO C , Computer and Printer
17	Program for interpolation using Newton's forward interpolation	TURBO C , Computer and Printer

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1995

(Authorized Signature)
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18	Program for interpolation using Lagrange's interpolation.	TURBO C , Computer and Printer
19	Solution of first order ODE using 4th order RK method	TURBO C , Computer and Printer
20	Solution of Numerical Integration using Simpson's (1/3) rd rule.	TURBO C , Computer and Printer
21	Solution of simultaneous equation using Jacobi method	TURBO C , Computer and Printer
22	To find largest Eigen value using Power method.	TURBO C , Computer and Printer
23	To find inverse of matrix & To find best fit curve for given data using MATLAB	MATLAB , Computer and Printer
24	Single Line diagram of 132 or 220 or 400 kV substation (based on actual field visit) Symbols, Plate or Pipe earthing	Computer Lab. With Autocad software
25	Estimation for 11 kV feeders and substation.	A lab. With blackboard and chalk with calculators for calculations.
26	Assignment on design of earthing grid for 132/220 kV substation.	A lab. With blackboard and chalk with calculators for calculations.
27	Measurement of Dielectric Absorption Ratio and Polarization Index of insulation.	3 phase power capacitor, Meggar (Automated)
28	Study of thermograph images and analysis based on these images.	Computer lab with Thermography software (Testo) installed
29	Design first order high pass and low pass filter using OPAMP in any open source software.	PSIM / Multisim Software
30	Design three bit full adder using any open source software	PSIM / Multisim Software
31	Formulation and calculation of Y- bus matrix of a system	MATLABSoftware
32	Solution of a load flow problem using Gauss-Seidal method	EDSA Software
33	Solution of a load flow problem using Newton-Raphson method	EDSA Software
34	To plot swing curve by Point by Point method for transient stability analysis	MATLABSoftware
35	To apply equal area criteria for analysis stability under sudden rise in mechanical power input.	MATLABSoftware
36	To study reactive power compensation using any device	MATLABSoftware
37	To study Lagrange multiplier technique for economic load dispatch	MATLAB Software
38	To develop dynamic programming method for unit commitment	MATLAB Software
39	To study load frequency control using approximate and exact model	MATLAB Software
40	To study load frequency control with integral control	MATLAB Software
41	To study the two area load frequency control	MATLAB Software
Electrical Machines Laboratory 1		

Place: Pune
Date: 20 April 2022

(Authorized Signature)
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1	Study of Electrical braking of D.C. Shunt motor (Rheostatic).	D.C. Shunt motor, Rheostat, Voltmeter, Ammeter, Tachometer.
2	Study speed control characteristics of single phase fully converter fed separately excited D.C. motor	single phase fully controlled converter kit, separately excited D.C. motor, Multi meter, Tachometer, Power scope.
3	To verify the relation between phase and line quantities in three phase balanced star delta connections of load.	3 Ph lamp Load bank AC ammeter, AC voltmeter
4	Determination of regulation of cylindrical rotor alternator by following methods a) EMF method b) MMF method.	Ammeter voltmeter, rheostat, DC motor, Alternator
5	Determination of regulation of cylindrical rotor alternator by Potier method	Ammeter voltmeter, rheostat, DC motor, Alternator
6	Determination of regulation of salient pole alternator by slip test.	Ammeter voltmeter, rheostat, Alternator
7	V and inverted V curve of synchronous motor at constant load.	Synchronous motor, Synchronous motor starting panel, ammeter, voltmeter
8	Speed control of three phase induction motor by V/F method (Using alternator	Alternator, three phase I.M., rheostat, ammeter, voltmeter
9	Determination of Regulation of alternator by Direct loading.	Ammeter voltmeter, rheostat, DC motor, Alternator, lamp bank
10	Speed control of three phase induction motor by rotor resistance control method.	three phase induction motor, starter, ammeter voltmeter, dc generator, lamp-bank, rheostat
11	Static measurement of sub-transient reactance's of a salient-pole alternator.	Alternator, Ammeter, Voltmeter, Autotransformer
12	Measurement of sequence reactance's of a synchronous machine (Negative and zero)	Alternator, Ammeter, Voltmeter, wattmeter, Autotransformer
13	Speed control of DC Shunt motor and study of starters.	D.C Shunt Motor with starter(5 HP, 220 V, 19 A, 1500 RPM), D.C. Voltmeter(0-300V),D.C. Ammeter(0-2 A), Rheostat(750 Ω, 1.2 A),(300 Ω, 1.7 A), 3 Point Starter, Tachometer.
14	Brake test on DC Shunt Motor.	D.C Shunt motor(220 V, 19A, 1500 RPM,5 HP with pulley & hand brake arrangement), D.C. Voltmeter(0-300 V),D.C. Ammeter(0-20 A 0-1A),Rheostat(750 Ω,1.2 A), 3 Point D.C. Starter(1.5 HP, 220 V),DC Supply(230 V, D.C),Tachometer(0-9999 RPM).
15	Load test on three phase Induction motor.	Induction Motor (7.5 HP,415V,12A,1440RPM), Ammeter(0-20A),AC Voltmeter(0-600v),Lamp Bank(3Ø,415V), Rheostat(750 Ω,1.7 A), Wattmeter (0-10-20A, 150-300-600V), D.C Voltmeter (0-300V), D.C. Ammeter (0-20A), D.C. Shunt Generator (220V, 19A,1500 RPM).
16	No load and blocked rotor test on three phase Induction motor. a) Determination of parameters of equivalent circuit. b) Plotting of Circle diagram.	Induction Motor (7.5 HP, 415V,12A,1440RPM), Ammeter(0-20A),AC Voltmeter(0-600v), , Rheostat(750 Ω,1.7 A), Wattmeter (0-10-20A, 150-300-600V).
17	Swinburne's Test on DC Shunt motor.	D.C Shunt motor(220 V, 19A, 1500 RPM,5 HP), D.C. Voltmeter(0-300 V),D.C.

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

		Ammeter(0-20 A), (0-1A),Rheostat(750 Ω,1.2 A), 3 Point D.C. Starter(1.5 HP, 220 V),DC Supply(230 V, D.C)
Electrical Machines Laboratory 2		
1	To determine efficiency and regulation of transformer by direct loading test of a single phase transformer.	1 phase Transformer, 1 Ph lamp Load bank, AC ammeter, AC voltmeter
2	Load test on 1-phase induction motor.	1-phase induction motor, wattmeter, ammeter voltmeter, load arrangement
3	To study constructional details of universal motor	Universal Motor
4	OC.SC. Test on single phase transformer.	1 ph Transformer(1kVA,230/115 volt,50 Hz),Auto transformer (0-270 volt,10 Amp),Ammeter(0-2 Amp),(0-5 Amp),Voltmeter(0-150 volt),(0-75 volt),Watt meter(2A,150 volt),(5Amp, 150 volt)
5	Polarity test on single phase transformer.	1 ph Transformer(1kVA,230/115 volt,50 Hz),Auto transformer (0-270 volt,10 Amp),Voltmeter (0-300 volt),Voltmeter (0-600 volt)
6	Parallel operation of two single phase transformer and study of their load sharing under various conditions of voltage ratios and leakage impedances.	2 Transformer 1 Ø (1 kva,230/115v),AC Ammeter(0-10 A,0/20 A),AC Voltmeter(0-300 v,0-150 v),Lamp Bank(1 Ø,230v,10 A).
High Voltage Laboratory		
1	To find the constants of breakdown equation of transformer oil.(Analytical and graphical method)	Breakdown Oil Testing Kit
2	Measurement of unknown high a.c. voltage using sphere gap	High Voltage Transformer with Sphere gap Arrangement
3	To obtain breakdown strength of composite insulation system, and observe the effect of parameter like no. of layers, thickness of layer, effect of interfacing.	Breakdown Oil Testing Kit
4	To find out the breakdown of air in uniform and non-uniform field and compare it	High Voltage Transformer with Sphere gap Arrangement
5	To study surface flashover on corrugated porcelain/polymeric insulation system.	High Voltage Transformer with Sphere gap Arrangement
6	To understand basic principle of corona and obtain audible and visible corona inception and extinction voltage under non uniform field.	Corona Cage
7	To evaluate power loss under corona at various voltage levels.	Corona Cage.
8	Measurement of dielectric strength of solid insulating materials.	High voltage testing equipment, voltmeter,bakelite, letheroid, polythene,
9	Measurement of dielectric strength of liquid insulating materials.	High voltage testing equipment, voltmeter
10	Measurement of dielectric strength of gaseous insulating materials using Sphere Gap-Unit.	Sphere gap unit, voltmeter, high voltage testing equipment,
11	To understand the principle of	Multimeter, Thermocouple

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

	thermocouple & to obtain characteristics of different thermocouples.	
12	Measurement of Resistivity of High Resistive Alloys.	Digital micro – ohmmeter,nichrome wire, digital multimeter, standard wire gauge
13	Measurement of Flux Density by Gauss-meter	Gauss and tesla meter,Loudspeaker, Molybdenum magnet,Calibrated scale
14	Measurement of Tangent of Dielectric Loss Angle (tan δ) of liquid dielectric materials.	Capacitors, bridge

List of Experimental Setup in each Laboratory / Workshop (E&TC)

Sr. No.	Name Experimental Setup	Equipment required
Laboratory No 303 Name of Subject :Electronic Circuits		
1	DC Biasing of FET	CRO/DSO, Dual Power Supply, DMM
2	Common Source Amplifier	CRO/DSO, Dual Power Supply, Function Generator, DMM
3	Current Series Feedback Amplifier	CRO/DSO, Dual Power Supply, Function Generator, DMM
4	Adjustable Voltage Regulator	Dual Power Supply, DMM
5	Measurement of AC parameters of Op-amp	CRO, function Generator, DMM, Power supply
6	Measurement of DC parameters of OP-AMP	DMM, Power supply
7	To design, build and test Op Amp integrator for given frequencies	power supply, function generator, CRO
8	Design and implement 3bit R-2R ladder DAC	DMM, Power supply,
9	Design, build and test square wave and Triangular wave generator.	CRO,function Generator, DMM, Power supply
10	To design, build and test Schmitt trigger circuit	Dual power supply, CRO, function generator
11	Build and test bridge circuit and interface with instrumentation amplifier.	DMM, Power supply
12	Universal Gates implementation using MOSFET	Dual Power Supply, DMM

Sr. No.	Name Experimental Setup	Equipment required
Laboratory No 314Name of Subject:Employability Skill Development		
1	Introduction of Self / SWOC Analysis	--
2	Career Goals and Planning	--
3	Group Discussion	--
4	Team Building Activities	--
5	Public Speaking	--
6	Mock Interviews	--
7	Listening and Reading Skills	--

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY UoP Id. No. PU/PN/Engg 124/1998 PUNE

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

8	Writing Skills	--
9	Lateral and Creative Thinking	--
10	Presentation Skills	--

Sr. No.	Name Experimental Setup	Equipment required
Lab No: 206	Name of Subject : Electronics Skill Development Laboratory	
1	Group A : Application of Electronics Principles in Practice Electronic Components and Connections (Bread boarding)	Electronic Components, Bread board
2	Introduction and applications using Arduino and micro python	Arduino Uno Board ,Breadboard – half size, Jumper Wires, USB Cable, LED (5mm) ,Push button switch, 10k Ohm Resistor, 220 Ohm Resistor
3	Using Sensors & Actuators and their interfacing with Arduino (Motor Driver with relays , Reversible motor, SSR)	Arduino Uno Board ,Breadboard – half size, Jumper Wires, USB Cable, LED (5mm),LDR,LM35,Servo Motor.
4	Wireless Connectivity to Arduino	Arduino Uno Board ,Breadboard – half size, Jumper Wires, USB Cable, LED (5mm),LDR,LM35,Servo Motor.
5	Group B : Hardware Design, Fault Finding, Testing, Repair and Measuring Drawing layout of PCB using PCB design software	PCB design software EAGLE
6	Single layer PCB design for a simple electronic Circuit	Multisim /Proteus
7	Using test equipment for testing, fault finding & repair etc	CRO, Spectrum Analyzer, CRO Probes, Function generator etc.
8	Use of measuring equipment for measurement of signals	CRO, Spectrum Analyzer, CRO Probes, Function generator etc.
9	Using Simulation software for design & testing of electronic circuits.	Multisim /Proteus
10	Assemble and utilize mechanical parts such as DC Motor, AC Motor, Stepper motor Solenoid, sensors etc., Connect assemble mechanical parts to form a working unit , Wire and form cables, Assemble and use various types of parts and surface mounted devise parts, Assemble parts to standard determined by IPC-A-610, Work to correct sequences and tolerances, Accurately solder components using lead free solder to comply with industry standards	DC Motor, AC Motor, Stepper motor Solenoid, sensors
11	Calculation of Power budget for an electronic circuit	electronic circuit

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

12	Study & Use of various types of Batteries.	Batteries.
13	Study of various solar power generation systems.	solar power generation systems.

Sr. No.	Name Experimental Setup	Equipment required
Lab No. Vlab,Online	Name of Subject: ELC	
1	To Determine the following using KVL, KCL, node, loop analysis and circuit simplification techniques: 1. Currents through various given branches. 2. Voltages across the given branches. 3. Power absorbed or delivered by a given component	Regulated Power Supply, Ammeter, Resistors, Breadboard, Multimeter, Falstad Software
2	To Determine the following using Network Theorems. One problem statement on each theorem. 1. Currents through various given branches. 2. Voltages across the given branches. 3. Power absorbed or delivered by a given component	Regulated Power Supply, Ammeter, Resistors, Breadboard, Multimeter, Falstad Software
3	To Formulate differential equation for RL and RC circuits and solve for current and voltages by determining initial conditions for driven and source free conditions.	Regulated Power Supply, Ammeter, Resistors, Capacitor, Inductor Breadboard, Multimeter, Falstad Software
4	To Carry out the transient analysis and determine the voltage, current expressions for a given network involving RL, RC, RLC.	
5	To Determine the Z, Y, h, ABCD parameters for a given network	Regulated Power Supply, Ammeter, Resistors, Capacitor, Inductor Breadboard, Multimeter, Falstad Software
6	To Analyze the given network using Laplace Transform and find the network transfer function.	
7	To study speed control of DC shunt motor using armature voltage and field current control method. Measure RPM and plot graph of speed versus armature voltage and field current.	DC Motor, Ammeter, voltmeters, Rheostats, Tachometer
8	Study of No-load test and blocked rotor test on 3-phase induction motor. 1.http://vem-iitg.vlabs.ac.in/Introduction_Noload.html 2.http://vem-	Phase Induction Motor, Ammeter, Voltmeters Vlab

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

	iitg.vlabs.ac.in/Introduction_blockr.html	
9	To Study Torque- speed characteristic of 3 phase induction motor	3 Phase Induction Motor, Ammeter, voltmeters,
10	To Study BLDC Motor Drive.	Study Experiment
11	To study operating modes of stepper motor.	Stepper Motor ,8051 Trainer Kit, Keil Simulator, Flash magic Software
12	Case study of any one electric vehicle with respect to specifications of motor, battery and controller.	Case Study

Sr. No.	Name Experimental Setup	Equipment required
Lab No:Name of Subject:Skill Development		
1	Case studies on Study, Testing and maintenance of Batteries	--
2	Case study on Automotive Electronics.	--
3	Case study on Biomedical Instrumentation	--
4	Troubleshooting and maintenance of PCB Boards & Controllers	--
5	Troubleshooting and maintenance of Power supply	--
6	Design a web page(s)	--
7	SMPS Design	--
8	Design and Simulate dc-dc boost converter for battery-based applications	--
9	Design and Simulate PID Controller based on OP-AMP	--
10	Industrial Visit	--

Sr. No.	Name Experimental Setup	Equipment required
Laboratory No 303	Name of Subject : Principles of communication system	
1	AM Generation DSB-FC Calculation of modulation index by graphical method	--
2	Frequency modulator & demodulator using Varactor Diode and NE 566 VCO	--
3	Verification of Sampling Theorem, PAM Techniques Natural , Flat top sampling reconstruction of original signal	--
4	Generation and Detection of PWM using IC 555	--
5	Study of PCM	--
6	Study of Commanded PCM	--

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY PUNE UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

7	Study of DM Generation and detection	--
8	Study of ADM Generation and detection	--
9	Study of line codes	--
10	Verify Sampling Theorem using simulation	--
11	Demonstrate scrambling and descrambling operation on Falstad	--
12	Simulation of AM	--

Sr. No.	Name Experimental Setup	Equipment required
Laboratory No;-308 Name of Subject : Advanced Processor		
1	In Interfacing LPC2148 with GLCD to display image on it OR G GPIO configuration and control with simple LED example n TIVA TM4C123G Platform	Educational practice board for ARM7 LPC2148, All in One general Purpose Board (ASK25) , +9V Power supply, USB A to B type cable, 20 pin Flat cable, PC, Eclipse IDE, Flash Magic Utility
2	U Using UART of LPC2148 for serial reception and transmission from/to computer	Educational practice board for ARM7 LPC2148, All in One general Purpose Board (ASK25) , −9V Power supply, USB A to B type cable, 20 pin Flat cable, PC, Eclipse IDE, Flash Magic Utility
3	Interfacing GSM with LPC2148 for sending and receiving message and voice call	Educational practice board for ARM7 LPC2148, All in One general Purpose Board (ASK25) , +9V Power supply, USB A to B type cable, 20 pin Flat cable, PC, Eclipse IDE, Flash Magic Utility
4	Interfacing GPS with LPC2148 for finding current location latitude and longitude values	Educational practice board for ARM7 LPC2148, All in One general Purpose Board (ASK25) , −9V Power supply, USB A to B type cable, 20 pin Flat cable, PC, Eclipse IDE, Flash Magic Utility
5	Using built-in ADC of LPC2148 for displaying its values (Programming built-in ADC with interrupt and without interrupt) OR Programming of on chip ADC and displaying converted digital values on HyperTerminal on TIVA Platform	Educational practice board for ARM7 LPC2148, All in One general Purpose Board (ASK25) , +9V Power supply, USB A to B type cable, 20 pin Flat cable, PC, Eclipse IDE, Flash Magic Utility
6	Interfacing SD card to LPC2148 using SPI	Educational practice board for ARM7 LPC2148, All in One general Purpose Board (ASK25) , −9V Power supply, USB A to B type cable, 20 pin Flat cable, PC, Eclipse IDE, Flash Magic Utility
7	Introduction to Programming environment with	Tiva library

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY PUNE UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
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	CCS and Tiva library	
8	DSP Based Experiments (The programs may be written in assembly language, C language and combination of both) Convolution (Linear and Circular)	PC Code Composer Studio CCSv5 or CCSv6 Power supply (−5V) EPB_C6748 Emulator with emulator cable
9	Discrete Fourier Transform Using FFT Algorithm	PC Code Composer Studio CCSv5 or CCSv6 Power supply (+5V) EPB_C6748 Emulator with emulator cable
10	Interfacing of 7 segment LED to LPC 2148.	Educational practice board for ARM7 LPC2148, All in One general Purpose Board (ASK25) , +9V Power supply, USB A to B type cable, 20 pin Flat cable, PC, Eclipse IDE, Flash Magic Utility

Sr. No.	Name Experimental Setup	Equipment required
Laboratory No 316 Subject:VLSI Design & Technology		
1	4 bit ALU for add, subtract, AND, NAND, XOR, XNOR, OR, & ALU pass.	PC with windows XP, Xilinx 8.1 software, FPGA (XC3S400) kit, JTAG cable.
2	Universal shift register with mode selection input for SISO, SIPO, PISO, & PIPO Modes.	PC with windows XP, Xilinx 8.1 software, FPGA (XC3S400) kit, JTAG cable.
3	FIFO memory.	PC with windows XP, Xilinx 8.1 software, FPGA (XC3S400) kit, JTAG cable.
4	Keypad interface.	PC with windows XP, Xilinx 8.1 software, FPGA (XC3S400) kit, JTAG cable.
5	Inverter, NAND, NOR gates, Half Adder	PC with windows XP, Microwind.
6	2:1 Multiplexer using logic gates and transmission gates.	PC with windows XP, Microwind.
7	Single bit SRAM cell.	PC with windows XP, Microwind.
8	Introduction to Xilinx tool and FPGA (XC3s400-5pq208) board	PC with windows XP, Xilinx 8.1 software, FPGA (XC3S400) kit, JTAG cable
9	D flip-flop.	PC with windows XP, Microwind

Sr. No.	Name Experimental Setup	Equipment required
Lab No:306	Name of Subject: Power Electronics	

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE *
UoP Id. No. PU/PN/Engg 124/1998

1	Characteristics of SCR	SCR Characteristics Trainer Kit
2	V-I Characteristics of MOSFET	MOSFET Trainer Kit
3	V-I Characteristics of IGBT	IGBT Trainer Kit
4	Single phase Semi / Full Converter with R & R-L load	Trainer Kit of Single phase Semi / Full Converter with R & R-L load
5	Single-Phase PWM bridge inverter for R load	Trainer Kit of Single-Phase PWM bridge inverter for R load
6	Step down dc chopper using power MOSFET / IGBT	Trainer Kit of Step down dc chopper using power MOSFET / IGBT
7	Find load & line regulation of given SMPS	SMPS Trainer Kit
8	Single phase AC voltage controller using SCRs for R load	AC voltage controller Trainer Kit
9	Speed control of DC motor / Stepper motor / AC motor	Speed control of DC motor Set up

Sr. No.	Name Experimental Setup	Equipment required
Laboratory No 302/303 Name of Subject: Digital Circuit		
1	Study of Logic gates.	Digital Trainer kit
2	Verify four voltage and current parameters for TTL and CMOS (IC 74LSXX, 74HCXX)	Digital Trainer kit
3	Study of IC-74LS153 as a Multiplexer: a. Design and Implement 8:1 MUX using IC74LS153 & Verify its Truth Table. b. Design & Implement the given 4 variable function using IC74LS153. Verify its Truth- Table.	Digital Trainer kit
4	Study of IC-74LS138 as a Demultiplexer / Decoder: a. Design and Implement full adder and subtractor function using IC-74LS138. b. Design & Implement 3-bit code converter using IC-74LS138. (Gray to Binary/Binary to Gray).	Digital Trainer kit
5	Study of IC-74LS83 as a BCD adder: a. Design and Implement 1-digit BCD adder usingIC-74LS83. b. Design and Implement 4-bit Binary sub tractor using IC-74LS83.	Digital Trainer kit
6	Study of IC-74LS85 as a magnitude comparator a. Design and Implement 4-bit Comparator. b. Design and Implement 8-bit Comparator.	Digital Trainer kit
7	Study of Counters Design and Implement 4-bit counter using JK- Flip flop.	Digital Trainer kit
8	Study of Counter ICs (74LS90/74LS93) a. Design and Implement MOD-N and MOD-NN using IC-74LS90 and draw Timing diagram.	Digital Trainer kit

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

	b.Design and Implement MOD-N and MOD-NN using IC-74LS93 and draw Timing diagram.	
9	Study of synchronous counter a. Design & Implement 4-bit Up/down Counter and MOD-N Up/down Counter using IC74HC191 / IC74HC193. Draw Timing Diagram.	Digital Trainer kit
10	Study of Shift Register Design and Implement 4-bit right shift and left shift register using D-flip flop.	Digital Trainer kit
11	Study of Shift Register (74HC194 / 74LS95): a. Design and Implement Pulse train generator using IC-74HC194 / IC74LS95 (Use right shift/ left shift). b. Design and Implement 4-bit Ring Counter/ Twisted ring Counter using shift registers IC 74HC194 / IC74LS95.	Digital Trainer kit

Sr. No.	Name Experimental Setup	Equipment required
Laboratory No-	Subject Name-Mobile Communication	
1	Perform an experiment to explain PSTN TST switch.	
2	Write a program to elaborate Lost call system/ delay system used in the analysis of voice/data traffic	
3	Write a program to measure bit error rate in presence of AWGN model.	
4	Write a program to simulate speech coding and decoding technique used in mobile Communication.	
5	Set up and carry out experiment on AT commands for voice and data operation.	
6	Write a program to simulate experiment on GMSK/QPSK/QAM modulation.	
7	Write a program to measure bit error rate in presence of Hata / Multipath propagation model for Link budget	
8	Set up and carry out experiment to explain VoIP call routing process.	
9	Perform an experiment to elaborate the operation of Multiple access techniques such as CDMA.	
10	Verify CDMA by variable 8 bit data.	

Sr. No.	Name Experimental Setup	Equipment required
Lab No:308Name of Subject :Computer Network		
1	Implementation of LAN using suitable multiuser Windows operating System and demonstrating client-server and peer to peer mode of configuration	Cisco packet tracer software, Computer
2	Simulating various Networks (LAN, WAN) using relevant network devices on Simulator	Cisco packet tracer software., computer
3	Observe and note the details of the live type of traffic (ARP, Wireshark software, etc.) from interface using packet capture and analysis tool	Cisco packet tracer software., computer
4	Using a Network Simulator (e.g., packet tracer) Configure router using RIP	Cisco packet tracer software., computer
5	Socket Programming in C/C++ on TCP Client, TCP	Cisco packet tracer software.,

Place: Pune
Date: 20 April 2022

AISSMS'S INSTITUTE OF INFORMATION TECHNOLOGY UoP Id. No. PU/PN/Engg 124/1998 PUNE

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

	Server.	computer
6	Observe and note the working of protocols using PING / TRACEROUTE / PATHPING and capture packets in LAN using packet capture and analysis tool.	Cisco packet tracer software., computer
7	Configure servers like HTTP / FTP and understand packet sequence and data flowing between client-server using packet analysis tools.	Cisco packet tracer software., computer
8	Executing Telnet, DHCP Server using simulator.	Cisco packet tracer software., computer
9	Fabrication Of Cables	Virtual lab IIT

Sr. No.	Name Experimental Setup	Equipment required
Lab No:307Name of Subject :Fundamentals of JAVA Programming		
1	Write some simple programs in Java such as: i) To find factorial of number. ii) To display first 50 prime numbers. iii) To find sum and average of N numbers	Eclipse IDE
2	Write a program in Java to implement a Calculator with simple arithmetic operations such as add, subtract, multiply, divide, factorial etc. using switch case and other simple java statements. The objective of this assignment is to learn Constants, Variables, and Data Types, Operators and Expressions, Decision making statements in Java.	Eclipse IDE
3	Write a program in Java with class Rectangle with the data fields width, length, area and colour. The length, width and area are of double type and colour is of string type. The methods are get_length(), get_width(), get_colour() and find_area(). Create two objects of Rectangle and compare their area and colour. If the area and colour both are the same for the objects then display " Matching Rectangles", otherwise display " Non-matching Rectangle"	Eclipse IDE
4	Write a program in JAVA to demonstrate the method and constructor overloading	Eclipse IDE
5	Write Programs in Java to sort i) List of integers ii) List of names. The objective of this assignment is to learn Arrays and Strings in Java	Eclipse IDE
6	Write a Program in Java to add two matrices. The objective of this assignment is to learn Arrays in Java	Eclipse IDE
7	Write a program in Java to create a player class. Inherit the classes Cricket_player, Football_player and Hockey_player from player class. The objective of this assignment is to learn the concepts of inheritance in Java.	Eclipse IDE
8	Write a Java program which imports user defined package and uses members of the classes contained in the package.	Eclipse IDE
9	Write a Java program which implements interface.	Eclipse IDE
10	Write a java program which use try and catch for exception handling.	Eclipse IDE
11	Write a Java program to draw oval, rectangle, line , text using graphics class.	Eclipse IDE

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

Sr. No.	Name Experimental Setup	Equipment required
Lab No:307Name of Subject :Data Analytics Lab		
1	Introduction to data analytics and Python fundamentals: Understanding the Data. Python Packages for Data Science. Importing and Exporting Data in Python. Getting Started Analyzing Data in Python. Accessing Databases with Python	Google Colaboratory
2	Data Visualization in Python: Matplotlib, Pandas, Seaborn: Sactterplot, Barchart, Linechart, Histogram. Other Graphs: Boxplot, Heatmap, Faceting, Pairplot.	Google Colaboratory
3	Data Wrangling: Pre-processing Data in Python Dealing with Missing Values in Python Data Formatting in Python Data Normalization in Python Binning in Python • Turning categorical variables into quantitative variables in Python	Google Colaboratory
4	Statistical Data Analysis: Probability. Sampling & Sampling Distributions. • Hypothesis Testing	Google Colaboratory
5	Exploratory Data Analysis: Descriptive Statistics. Group By in Python. Correlation. Correlation – Statistics. • Analysis of Variance ANOVA.	Google Colaboratory
6	Model Development: Linear Regression and Multiple Linear Regression Model Evaluation using Visualization Polynomial Regression and Pipelines Measures for In-Sample Evaluation • Prediction and Decision Making	Google Colaboratory

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

Sr. No.	Name Experimental Setup	Equipment required
Lab No:307Name of Subject :Database Management		
1	Study of Open Source Relational Databases: MySQL	MY SQL software
2	Design and develop at SQL DDL statements which demonstrate the use of SQL objects such as Table, View, Index, Sequence and Synonym.	MY SQL software
3	Design and develop at least 5SQL queries for suitable database application using SQL DML statements: Insert and Select with operators and functions.	MY SQL software
4	Design and develop at least 5 SQL queries for suitable database application using SQL DML statements: Update and Delete with operators and functions.	MY SQL software
5	Design and develop at least 5 SQL queries for suitable database application using SQL DML statements: all types of Join and Sub- Query.	MY SQL software
6	Write a PL/SQL block of code for the following requirements:- Schema: 1. Borrower (Roll no., Name, Date of Issue, Name of Book, Status) 2. Fine (Roll no, Date, Amt.)	MY SQL software
7	Frame the separate problem statement for writing PL/SQL block to implement all types of Cursors in line with above statement. The problem statement should clearly state the	MY SQL software
8	PL/SQL Stored Procedure and Stored Function.	MY SQL software
9	Frame the problem statement for writing Database Triggers of all types, in-line with above statement. The problem statement should clearly state the requirements.	MY SQL software
10	Implement MYSQL/Oracle database connectivity with PHP/python/Java Implement Database navigation operations (add, delete, edit,) using ODBC/JDBC.	MY SQL software
11	Using the database concepts covered in Group A & Group B & connectivity concepts covered in Group C, students in group are expected to design and develop database application	MY SQL software
12		

Sr. No.	Name Experimental Setup	Equipment required
Lab No:302Name of Subject :Digital Communication		
1	Study of BPSK transmitter and receiver using hardware kit	Kit, DSO
2	Study of QPSK transmitter and receiver using hardware kit	Kit, DSO
3	Study of BFSK transmitter and receiver using hardware kit	Kit, DSO

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

4	Study of DSSS transmitter and receiver using hardware kit	Kit, DSO
5	Simulation study of performance of BPSK	MATLAB
6	Simulation study of BPSK receiver in presence of noise	MATLAB
7	Simulation study of performance of BFSK	MATLAB
8	Simulation study of source coding technique	MATLAB
9	Simulation study of linear block codes	MATLAB
10	Simulation study of cyclic codes	MATLAB
11	Application of MATLAB to coding theory	MATLAB
12	Learning basic commands of MATLAB	MATLAB

Sr. No.	Name Experimental Setup	Equipment required
Lab No:307Name of Subject : Data Structures		
1	Bridge the GAP: Write a C Program to implement Switch Case	Computer
2	Perform following String operations with and without pointers to arrays (without using the library functions): a. substring b. palindrome c. compare d. copy e. reverse	Computer
3	Implement Database Management using array of structures with operations Create, Display, Modify, Append, Search and Sort. (For any database like Employee or Bank database with and without pointers to structures)	Computer
4	Implement Stack and Queue using arrays.	Computer
5	Create a singly linked list with options: a. Insert (at front, at end, in the middle) b. Delete (at front, at end, in the middle) c. Display d. Display Reverse e. Revert the SLL	Computer
6	Implement Binary search tree with operations Create, search, and recursive traversal.	Computer
7	Implement Graph using adjacency Matrix with BFS & DFS traversal.	Computer
8	Implement stack and queue using linked list.	Computer
9	Add two polynomials using linked list.	Computer
10	Evaluate postfix expression (input will be postfix expression).	Computer
11	Implement Circular Linked List with various operations.	Computer
12	Beyond Syllabus: Implement Static storage class in c.	Computer

Sr.	Name Experimental Setup	Equipment required

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

No.		
SUBJECT:Information Theory, Coding and Communication Networks		
1	Write a program for determination of various entropies and mutual information of a given channel. Test various types of channel such as a) Noise free channel. b) Error free channel c) Binary symmetric channel d) Noisy channel Compare channel capacity of above channels	C Language Set Up
2	a. Write a program for generation and evaluation of variable length source coding using C/MATLAB for Shannon – Fano coding and decoding.	C Language Set Up
3	b. Write a program for Huffman Coding and decoding or Lempel Ziv Coding and decoding	Matlab Software
4	Write a Program for coding & decoding of Linear block codes.	Matlab Software
5	Write a Program for coding & decoding of Cyclic codes.	Matlab Software
6	Write a program for coding and decoding of convolutional codes.	Matlab Software
7	Write a program for coding and decoding of BCH or RS codes.	Matlab Software
8	Study of Networking Components and LAN.	Matlab Software
9	Write a simulation program to implement ARQ techniques	C Language Set Up
10	Application of MATLAB to coding theory and learning basic commands of MATLAB.	Matlab Software
11	Learning basic model designs with Simulink	Matlab Software

Sr. No.	Name Experimental Setup	Equipment required
SUBJECT: Internet of Things		
1	To study the various platforms (Boards) used in IoT.	Nil
2	Study & Survey of various IoT platforms.	Nil
3	To interface DHT11sensor to Arduino UNO & to display the humidity and temperature on serial monitor window.	Arduino UNO, DHT11,PCwith Arduino IDE, Connecting Wires
4	To interface RC533-RFID reader to Arduino UNO &	Arduino UNO, RFID reader with tag ,PC with Arduino

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

	display the Tag ID on I2C LCD screen	IDE, Connecting Wires
5	To Control LED Lights from a Web Server using ESP8266 Wi-Fi Module.	ESP 8266 WiFi module, LED, Bread board, PC with Arduino IDE, Connecting wires
6	To monitor DHT 11 sensor value on web using Wi-Fi board ESP8266-12E.	ESP 8266 WiFi module, DHT 11, Bread board, PC with Arduino IDE, Connecting wires
7	To control stepper motor using Raspberry Pi 3B.	Raspberry Pi 3 with SD card, stepper motor ,PC, HDMI connector
8	To control home appliances using web server.	Raspberry Pi 3 with SD card, relay ,PC, HDMI connector
9	To interface soil moisture sensor with Arduino UNO and display the moisture content on web. (An application in Agriculture)	ESP 8266 node MCU, Soil moisture sensor, PC with Arduino IDE, Connecting Wires

Sr. No.	Name Experimental Setup	Equipment required
Laboratory No 316 Name of Subject : System Programming and Operating System		
1	Basic Linux Commands	Computer
2	Write an shell scripting on UNIX / LINUX	
3	Write C Program to implement Lexical Analyzer for simple arithmetic operation	
4	Design of PASS I of two pass assembler for pseudo machine code.	
5	Design of a MACRO PASS-I	
6	Implement Job scheduling algorithms: FCFS, SJF	
7	Implement Bankers Algorithm for deadlock detection and avoidance	
8	Implementation of page replacement algorithm: FIFO / LRU	
9	Case Study: Android mobile operating system	
10	Implementation of System calls to list files, directories	
11	Implementation of System calls to handles process	

Sr. No.	Name Experimental Setup	Equipment required
Lab No: 308,316,307Name of Subject :Mobile Communication		
1	Perform an experiment to explain PSTN TST switch.-S.m.p	Kit
2	rite a program to elaborate Lost call system/ delay system used in the analysis of voice/data traffic	Computer
3	Write a program to measure bit error rate in presence of AWGN model.-http://vlabs.iitb.ac.in/vlabs-	

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

	dev/vlab_bootcamp/bootcamp/TEAM_WEG/labs/exp1/result.html	
4	Write a program to simulate speech coding and decoding technique used in mobile Communication.	
5	Set up and carry out experiment on AT commands for voice and data operation.- https://m2msupport.net/m2msupport/download-at-command-tester/ https://www.open-electronics.org/at-command-tester-the-free-online-software-tool-to-test-gsm-at-commands/ https://seeeddoc.github.io/AT_Command_Tester_Application/	
6	Write a program to simulate experiment on GMSK/QPSK/QAM modulation.-virtual lab http://vlabs.iitkgp.ac.in/ant/6/theory/	
7	Write a program to measure bit error rate in presence of Hata / Multipath propagation model for Link budget	
8	Set up and carry out experiment to explain VoIP call routing process. Skype	
9	Perform an experiment to elaborate the operation of Multiple access techniques such as CDMA.-	Kit
10	Verify CDMA by variable 8 bit data.	Computer

List of Experimental Setup in each Laboratory / Workshop (Computer)

Sr. No.	Name Experimental Setup	Equipment required
Laboratory: Programming Laboratory (502)		
Digital Electronics Lab (SEM –I)		
1.	Content To Bridge the Gap: To design and verify truth table of Logic gates.	Digital Trainer Kit/ DELDSIM Simulator
2.	To Realize Full Adder/ Subtractor using a) Basic Gates and b) Universal Gates.	Digital Trainer Kit/ DELDSIM Simulator
3.	Design and implement Code Converters-Binary to Gray and BCD to Excess-3.	Digital Trainer Kit/ DELDSIM Simulator
4.	Design and Realization of BCD Adder using 4-bit Binary Adder (IC 7483).	Digital Trainer Kit/ DELDSIM Simulator
5.	Realization of Boolean Expression for suitable combination logic using MUX 74151 /74153, DMUX 74154/74138.	Digital Trainer Kit/ DELDSIM Simulator
6.	To Verify the truth table of two bit comparators using logic gates.	Digital Trainer Kit/ DELDSIM Simulator
7.	Design & Implement Parity Generator and checker using EX-OR.	Digital Trainer Kit/ DELDSIM Simulator
8.	Design and Realization: Flip Flop conversion.	Digital Trainer Kit/ DELDSIM Simulator
9.	Design of 2 bit and 3 bit Ripple Counter using MS JK flip-flop.	Digital Trainer Kit/ DELDSIM Simulator

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg/124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

10.	Design of Synchronous 3 bit Up and Down Counter using MSJK Flip Flop / D Flip Flop.	Digital Trainer Kit/ DELDSIM Simulator
11.	Realization of Mod –N counter using (Decade Counter IC 7490).	Digital Trainer Kit/ DELDSIM Simulator
12.	Design and implement Sequence generator (for Prime Number/odd and even) using MS JK flip-flop.	Digital Trainer Kit/ DELDSIM Simulator
13.	Study of Shift Registers(SISO,SIPO,PISO,PIPO)	Digital Trainer Kit/ DELDSIM Simulator
14.	Beyond the Syllabus: Mini Project based on the Concepts of Digital Electronics and Logic Design	Digital Trainer Kit/ DELDSIM Simulator

Sr. No.	Name Experimental Setup :DBMS Lab	Equipment required
Laboratory: Programming Laboratory (502)		
DBMS Laboratory (SEM –I)		
1	ER Modeling and Normalization.	ERD Tool
2	Design and develope SQL DDL statements which demonstrate the use of SQL objects such as Table, View, Index, Sequence, Synonym. Design atleast 10 SQL queries for suitable database application using SQL DML statements: Insert, Select, Update, Delete with operators, function and set operators.	MySQL
3	Design atleast 10 SQL queries for suitable database application using SQL DML statements: all types of Joins, Sub-Query and View	MySQL
4	Unnamed PL/SQL code block : Use of Control structure and Exception handling is mandatory. Write a PL/SQL block of code for following requirements :- Schema : 1. Borrower (Rollin, Name, DateofIssue, NameofBook, Status) 2. Fine (Roll_no, Date, Amt) a. Accept roll_no and name of book from user. b. Check the number of days (from the date of issue), if days are between 15 to 30 then fine amount Rs. 5 per day. c. If number of days > 30 per day fine will be Rs. 50. d. After submitting the book, status will change from I to R. e. If condition for the fine is true, then details will be stored into Fine table. Frame the problem statement for writing PL/SQL block inline with above statements	MySQL
5	PL/SQL Stored Procedures and Stored Function. Write a Stored Procedure namely proc_Grade for the categorization of student. If marks scored by students in examination is<=1500 and marks>=990 then student will be placed in 'Distinction' category. If marks scored are between 989 and 900 category is 'First class'. If marks are between 899 and 825 category is 'Higher Second	MySQL

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

	Class'. Write a PL/SQL block for using procedure created with above requirements. Stud_Marks (name, total_marks) Result (Roll, Name, Class)	
6	Cursors : (All types : Implicit, Explicit, Cursor FOR loop,Parameterized Cursor) Write a PL/SQL block of code using parameterized Cursor, that will merge the data available in the newly created table N_RollCall with the data available in the table O_RollCall. If the data in the first table already exist in the second table then the data should be skipped. Frame the separate problem statement for writing PL/SQL block to implement all types of Cursors inline with above statements. The problem statement should clearly state the requirements.	MySQL
7	Database Trigger (All types : Row-level and Statement-level triggers, Before and After triggers). Write a database trigger on Library table. The system should keep track of the records that are being updated or deleted. The old value of updated or deleted records should be added in Library_Audit table. Frame the problem statement for writing Database Triggers of all types, inline with above statement. The problem statement should clearly state the requirements.	MySQL
8	Database Connectivity	MySQL
9	Design and develop MongoDB Queries using CRUD operations. (Use CRUD operations, SAVE method, logical operators)	MongoDB
10	Implement aggregation and indexing with suitable example using MongoDB	MongoDB
11	Implement Map reduces operation with suitable example using MongoDB	MongoDB
12	Database Connectivity using MongoDB	MongoDB
13	Mini Project	Mysql/MongoDB

Sr. No.	Name Experimental Setup	Equipment required
Laboratory: Programming Laboratory (502)		
Laboratory Practice II (SEM –II)		
1	Group A Implement depth first search algorithm and Breadth First Search algorithm, Use an undirected graph and develop a recursive algorithm for searching all the vertices of a graph or tree data structure	Desktop Computer Processor: Core i3 Processor RAM 4 GB OS: Ubuntu Tools: C++/Java/ Python
2	Implement A star Algorithm for any game search problem.	Desktop Computer Processor: Core i3 Processor RAM 4 GB OS: Ubuntu

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

		Tools: C++/Java/ Python
3	Implement Greedy search algorithm for any of the following application: I.SelectionSort II. Minimum Spanning Tree III. Single-Source Shortest Path Problem IV. Job Scheduling Problem V. Prim's Minimal Spanning Tree Algorithm VI. Kruskal's Minimal Spanning Tree Algorithm VII. Dijkstra's Minimal Spanning Tree Algorithm	Desktop Computer Processor: Core i3 Processor RAM 4 GB OS: Ubuntu Tools: C++/Java/ Python
4	GroupB Implement a solution for a Constraint Satisfaction Problem using Branch and Bound and Backtracking for n-queens problem or a graph coloring problem.	Desktop Computer Processor: Core i3 Processor RAM 4 GB OS: Ubuntu Tools: C++/Java/ Python
5	Develop an elementary catboat for any suitable customer interaction application.	Desktop Computer Processor: Core i3 Processor RAM 4 GB OS: Ubuntu Tools: C++/Java/ Python
6	Group C Implement any one of the following Expert System I. Information management II. Hospitals and medical facilities III. Help desks management IV. Employee performance evaluation V. Stock market trading VI. Airline scheduling and cargo schedules	Desktop Computer Processor: Core i3 Processor RAM 4 GB OS: Ubuntu Tools: C++/Java/ Python
7	Cloud Computing Case study on Microsoft azure to learn about Microsoft Azure is a cloud computing platformand infrastructure, created by Microsoft, for building, deploying and managing applications andservicesthrougha globalnetwork of Microsoft-managed datacenters. OR Casestudy onAmazon EC2 andlearn about AmazonEC2 webservices.	Desktop Computer Processor: Core i3 Processor RAM 4 GB OS: Ubuntu Tools: C++/Java/ Python
8	Installationand configure GoogleApp Engine. OR Installationand Configurationof virtualizationusing KVM.	Desktop Computer Processor: Core i3 Processor RAM 4 GB OS: Ubuntu Tools: C++/Java/ Python
9	CreatinganApplicationinSalesForce.com usingApex programmingLanguage.	Desktop Computer Processor: Core i3 Processor RAM 4 GB OS: Ubuntu Tools: C++/Java/ Python

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id: No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

10	Designand developcustom Application (MiniProject) usingSalesforceCloud.	Desktop Computer Processor: Core i3 Processor RAM 4 GB OS: Ubuntu Tools: C++/Java/ Python
11	Mini-Project SetupyourowncloudforSoftwareasaService(SaaS)overtheexistingLANinyou rlaboratory. In this assignment you have to write your own code for cloud controller using open-sourcetechnologiestoimplementwithHDFS.Implementthebasicoperationsma ybeliketo dividethe filein segments/blocksanduploadldownload filcon/from cloudin encryptedform	Desktop Computer Processor: Core i3 Processor RAM 4 GB OS: Ubuntu Tools: C++/Java/ Python

Sr. No.	Name Experimental Setup	Equipment required
Laboratory: Programming Laboratory (502)		
Laboratory Practice IV (SEM –II)		
1	Implement a Lexical Analyzer using LEX for a subset of C. Cross check your output with Stanford LEX.	Desktop Computer- Core-i3processor 4GB RAM/1 TB HardDisk, Linux OS Lex and Yacc Tools
2	Implement a parser for an expression grammar using YACC and LEX for the subset of C. Cross check your output with Stanford LEX and YACC.	Desktop Computer- Core-i3processor 4GB RAM/1 TB HardDisk, Linux OS Lex and Yacc Tools
3	Generate and populate appropriate Symbol Table	Desktop Computer- Core-i3processor 4GB RAM/1 TB HardDisk, Linux OS Lex and Yacc Tools
4	Implementation of Semantic Analysis Operations (like type checking, verification of function parameters, variable declarations and coercions) possibly using an Attributed Translation Grammar.	Desktop Computer- Core-i3processor 4GB RAM/1 TB HardDisk, Linux OS Lex and Yacc Tools
5	Implement the front end of a compiler that generates the three address code for a simple language.	Desktop Computer- Core-i3processor 4GB RAM/1 TB HardDisk, Linux OS Lex and Yacc Tools
6	A Register Allocation algorithm that translates the given code into one with a fixed number of registers.	Desktop Computer- Core-i3processor 4GB RAM/1 TB HardDisk, Linux OS Lex and Yacc Tools
7	Implementation of Instruction Scheduling Algorithm.	Desktop Computer- Core-i3processor

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

		4GB RAM/1 TB HardDisk, Linux OS Lex and Yacc Tools
8	Implement Local and Global Code Optimizations such as Common Sub-Expression Elimination, Copy Propagation, Dead-Code Elimination, Loop and Basic-Block Optimizations. (Optional)	Desktop Computer- Core-i3processor 4GB RAM/1 TB HardDisk, Linux OS Lex and Yacc Tools
9	Mini-Project 1: Implement POS tagging for simple sentences written Hindi or any Indian Language	Desktop Computer- Core-i3processor 4GB RAM/1 TB HardDisk, Linux OS, Python Tool ,NLTK library
10	Mini-Project 1: Setup your own cloud for Software as a Service (SaaS) over the existing LAN in your laboratory. In this assignment you have to write your own code for cloud controller using open source technologies without HDFS. Implement the basic operations may be like to upload and download file on/from cloud in encrypted form.	Desktop Computer- Core-i3processor 4GB RAM/1 TB HardDisk, Linux OS, Haddop tool, ,Mongo DB tool, Mapreduce tool, Linux OS
11	Mini-Project 2: Setup your own cloud for Software as a Service (SaaS) over the existing LAN in your laboratory. In this assignment you have to write your own code for cloud controller using open source technologies to implement with HDFS. Implement the basic operations may be like to divide the file in segments/blocks and upload/ download file on/from cloud in encrypted form	Desktop Computer- Core-i3processor 4GB RAM/1 TB HardDisk, Linux OS, Haddop tool, ,Mongo DB tool, Mapreduce tool, Linux OS

Sr. No.	Name Experimental Setup	Equipment required
Laboratory: Microprocessor Lab (502)		
1.	Bridge the Gap Assignment ALP to accept macro for accessing the data from user and displaying the data on output screen.	NASM 64 bit Software , Ubuntu OS
2.	Write an X86 ALP to accept five 64 bit Hexadecimal numbers from user and store them in an array and display the accepted numbers.	NASM 64 bit Software , Ubuntu OS
3.	Write an X86/64 ALP to accept a string and to display its length.	NASM 64 bit Software , Ubuntu OS
4.	Write a switch case driven X86/64 ALP to perform 64-bit hexadecimal arithmetic operations (+,-,*, /) using suitable macros. Define procedure for each operation.	NASM 64 bit Software , Ubuntu OS
5.	Write an X86/64 ALP to count number of positive and negative numbers from the array.	NASM 64 bit Software , Ubuntu OS
6.	Write X86/64 ALP to perform non-overlapped block transfer without string specific instructions. Block containing data can be defined in the data segment.	NASM 64 bit Software , Ubuntu OS
7.	Write X86/64 ALP to perform overlapped block transfer with string specific	NASM 64 bit Software , Ubuntu OS

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

	instructions Block containing data can be defined in the data segment.	
8.	Write X86/64 ALP to perform multiplication of two 8-bit hexadecimal numbers. Use successive addition and add and shift method. (use of 64-bit registers is expected).	NASM 64 bit Software , Ubuntu OS
9.	Write X86 Assembly Language Program (ALP) to implement following OS commands i) COPY, ii)TYPE Using file operations. User is supposed to provide command line arguments	NASM 64 bit Software , Ubuntu OS
10.	Write x86 ALP to find the factorial of a given integer number on a command line by using recursion. Explicit stack manipulation is expected in thecode.	NASM 64 bit Software , Ubuntu OS
11.	Study Assignment: Motherboards are complex. Break them down, component by component, and Understand how they work. Choosing a motherboard is a hugely important part of building a PC. Study- Block diagram, Processor Socket, Expansion Slots, SATA, RAM, Form Factor, BIOS, Internal Connectors, External Ports, Peripherals and Data Transfer, Display, Audio, Networking, Overclocking, and Cooling. 4. https://www.intel.in/content/www/in/en/support/articles/000006014/boards-and-kits/desktop-boards.html	NASM 64 bit Software , Ubuntu OS
12.	Content Beyond Syllabus- Call C Function in ASM Program	NASM 64 bit Software , Ubuntu OS

Sr. No.	Name Experimental Setup	Equipment required
Laboratory: Project and Network Laboratory (503)		
Subject: Laboratory Practice III		
1	Assignment on Linear Regression: The following table shows the results of a recently conducted study on the correlation of the number of hours spent driving with the risk of developing acute backache. Find the equation of the best	Desktop PC Core i3, 4 GB RAM, 500 GB Hard Disk Operating System Ubuntu 20.04 LTS Software package: Python.

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

	fit line for this data. Number of hours spent driving (x) / Risk score on a scale of 0-100 (y) 10 / 95 9 / 80 2 / 10 15 / 50 10 / 45 16 / 98 11 / 38 16 / 93	
2	Assignment on Decision Tree Classifier: A dataset collected in a cosmetics shop showing details of customers and whether or not they responded to a special offer to buy a new lip-stick is shown in table below. Use this dataset to build a decision tree, with Buys as the target variable, to help in buying lip-sticks in the future. Find the root node of decision tree. According to the decision tree you have made from previous training data set, what is the decision for the test data: [Age < 21, Income – Low, Gender = Female, Marital Status = Married]?	Desktop PC Core i3, 4 GB RAM, 500 GB Hard Disk Operating System Ubuntu 20.04 LTS Software package: Python.
3	Assignment on k-NN Classification: In the following diagram let blue circles indicate positive examples and orange squares indicate negative examples. We want to use k-NN algorithm for classifying the points. If k=3, find the class of the point (6,6). Extend the same example for Distance-Weighted k-NN and Locally weighted Averaging	Desktop PC Core i3, 4 GB RAM, 500 GB Hard Disk Operating System Ubuntu 20.04 LTS Software package: Python.
4	Assignment on K-Means Clustering: We have given a collection of 8 points. P1=[0.1,0.6] P2=[0.15,0.71] P3=[0.08,0.9] P4=[0.16, 0.85] P5=[0.2,0.3] P6=[0.25,0.5] P7=[0.24,0.1] P8=[0.3,0.2]. Perform the k-mean clustering with initial centroids as m1=P1 Cluster#1=C1 and m2=P8=cluster#2=C2. Answer the following 1] Which cluster does P6 belong to? 2] What is the population of cluster around m2? 3] What is updated value of m1 and m2?	Desktop PC Core i3, 4 GB RAM, 500 GB Hard Disk Operating System Ubuntu 20.04 LTS Software package: Python.
5	Content Beyond syllabus: Optical Character Recognition	Desktop PC Core i3, 4 GB RAM, 500 GB Hard Disk Operating System Ubuntu 20.04 LTS Software package: Python.
6	Mini-Project 1 on SVM: Apply the Support vector machine for	Desktop PC Core i3, 4 GB RAM, 500 GB Hard Disk

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

	classification on a dataset obtained from UCI ML repository. For Example: Fruits Classification or Soil Classification or Leaf Disease Classification	Operating System Ubuntu 20.04 LTS Software package: Python.
7	Bridge the Gap: Caesar Cipher Technique	Desktop PC Core i3, 4 GB RAM, 500 GB Hard Disk Operating System Ubuntu 20.04 LTS Software package: Python.
8	Implementation of S-DES	Desktop PC Core i3, 4 GB RAM, 500 GB Hard Disk Operating System Ubuntu 20.04 LTS Software package: Python.
9	Implementation of S-AES	Desktop PC Core i3, 4 GB RAM, 500 GB Hard Disk Operating System Ubuntu 20.04 LTS Software package: Python.
10	Implementation of Diffie-Hellman key exchange	Desktop PC Core i3, 4 GB RAM, 500 GB Hard Disk Operating System Ubuntu 20.04 LTS Software package: Python.
11	Implementation of RSA	Desktop PC Core i3, 4 GB RAM, 500 GB Hard Disk Operating System Ubuntu 20.04 LTS Software package: Python.
12	Mini Project 1: SQL Injection attacks and Cross -Site Scripting attacks are the two most common attacks on web application. Develop a new policy based Proxy Agent, which classifies the request as a scripted request or query based request, and then, detects the respective type of attack, if any in the request. It should detect both SQL injection attack as well as the Cross-Site Scripting attacks.	Desktop PC Core i3, 4 GB RAM, 500 GB Hard Disk Operating System Ubuntu 20.04 LTS Software package: Python, MySQL

Sr. No.	Name Experimental Setup	Equipment required
Laboratory: Project and Network Laboratory (503)		
Subject: Database Management Systems Laboratory		
1	Study of Open Source Relational Databases : MySQL	Desktop PC Core i3, 4 GB RAM, 500 GB Hard Disk Operating System Ubuntu 20.04 LTS Software package: MySQL.
2	Design and Develop SQL DDL statements which demonstrate the use of SQL objects such as Table, View, Index, Sequence,	Desktop PC Core i3, 4 GB RAM, 500 GB Hard Disk Operating System Ubuntu 20.04 LTS

Place: Pune
Date: 20 April 2022

INSTITUTE OF INFORMATION TECHNOLOGY * AISSMS * PUNE
UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

	Synonym	Software package: MySQL.
3	Design at least 10 SQL queries for suitable database applica-tion using SQL DML state-ments: Insert, Select, Update, Delete with operators, functions, and set operator.	Desktop PC Core i3, 4 GB RAM, 500 GB Hard Disk Operating System Ubuntu 20.04 LTS Software package: MySQL.
4	Design at least 10 SQL queries for suitable database applica-tion using SQL DML state-ments: all types of Join, Sub-Query and View.	Desktop PC Core i3, 4 GB RAM, 500 GB Hard Disk Operating System Ubuntu 20.04 LTS Software package: MySQL.
5	Unnamed PL/SQL code block: Use of Control structure and Exception handling is manda-tory. Write a PL/SQL block of code for the following requirements:- Schema: 1. Borrower(Rollin, Name, DateofIssue, NameofBook, Status) 2. Fine(Roll_no,Date,Amt) a) Accept roll_no& name of book from user. b) Check the number of days (from date of issue), if days are between 15 to 30 then fine amount will be Rs 5per day. c) If no. of days>30, per day fine will be Rs 50 per day & for days less than 30, Rs. 5 per day. d) After submitting the book, status will change from I to R. e) If condition of fine is true, then details will be stored into fine table. Frame the problem statement for writing PL/SQL block in-line with above statement.	Desktop PC Core i3, 4 GB RAM, 500 GB Hard Disk Operating System Ubuntu 20.04 LTS Software package: MySQL.
6	Cursors: (All types: Implicit, Explicit, Cursor FOR Loop, Parameterized Cursor) Write a PL/SQL block of code using parameterized Cursor, that will merge the data availa-ble in the newly created table N_RollCall with the data avail-able in the table O_RollCall. If the data in the first table already exist in the second table then that data should be skipped. Frame the separate problem statement for writing PL/SQL block to implement all types of Cursors inline with above statement. The problem state-ment should clearly state the requirements.	Desktop PC Core i3, 4 GB RAM, 500 GB Hard Disk Operating System Ubuntu 20.04 LTS Software package: MySQL.

Place: Pune
Date: 20 April 2022

INSTITUTE OF INFORMATION TECHNOLOGY * AISSMS * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
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7	PL/SQL Stored Procedure and Stored Function. Write a Stored Procedure namely proc_Grade for the cat-egorization of student. If marks scored by students in examination is <=1500 and marks>=990 then student will be placed in dis-tinction category if marks scored are between 989 and900 category is first class, if marks 899 and 825 category is Higher Second Class Write a PL/SQL block for us-ing procedure created with above requirement. Stud_Marks(name, to-tal_marks) Result(Roll,Name, Class) Frame the separate problem statement for writing PL/SQL Stored Procedure and function, inline with above statement. The problem state-ment should clearly state the requirements	Desktop PC Core i3, 4 GB RAM, 500 GB Hard Disk Operating System Ubuntu 20.04 LTS Software package: MySQL.
8	Database Trigger (All Types: Row level and Statement level triggers, Before and After Triggers). Write a database trigger on Library table. The System should keep track of the records that are being updated or deleted. The old value of updated or deleted records should be added in Library_Audit ta-ble. Frame the problem statement for writing Database Triggers of all types, in-line with above statement. The problem statement should clearly state the requirements.	Desktop PC Core i3, 4 GB RAM, 500 GB Hard Disk Operating System Ubuntu 20.04 LTS Software package: MySQL.
9	Study of Open Source NOSQL Database: MongoDB (Installation, Basic CRUD op-erations, Execution)	Desktop PC Core i3, 4 GB RAM, 500 GB Hard Disk Operating System Ubuntu 20.04 LTS Software package: MongoDB.
10	Design and Develop Mon-goDB Queries using CRUD operations. (Use CRUD opera-tions, SAVE method, logical opera-tors)	Desktop PC Core i3, 4 GB RAM, 500 GB Hard Disk Operating System Ubuntu 20.04 LTS Software package: MongoDB.
11	Implement aggregation and indexing with suitable example using MongoDB.	Desktop PC Core i3, 4 GB RAM, 500 GB Hard Disk Operating System Ubuntu 20.04 LTS Software package: MongoDB.
12	Implement Map reduces operation with suitable example using MongoDB.	Desktop PC Core i3, 4 GB RAM, 500 GB Hard Disk Operating System Ubuntu 20.04 LTS Software package: MongoDB
13	Design and Implement any 5 query using MongoDB	Desktop PC Core i3, 4 GB RAM, 500 GB Hard Disk Operating System Ubuntu 20.04 LTS Software package: MongoDB
14	Create simple objects and array objects using JSON	Desktop PC Core i3, 4 GB RAM, 500 GB Hard Disk

Place: Pune
Date: 20 April 2022

INSTITUTE OF INFORMATION TECHNOLOGY AISSMS PUNE UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

		Operating System Ubuntu 20.04 LTS Software package: JAVA, JSON, XML
15	Write a program to implement MongoDB database connectivity with PHP/ python/Java Implement Database navigation operations (add, de-lete, edit etc.) using ODBC/JDBC.	Desktop PC Core i3, 4 GB RAM, 500 GB Hard Disk Operating System Ubuntu 20.04 LTS Software package: JAVA, MongoDB, ODBC/JDBC.
16	Implement MYSQL/Oracle da-tabase connectivity with PHP/ python/Java Implement Data-base navigation operations (add, de-lete, edit,) using ODBC/JDBC.	Desktop PC Core i3, 4 GB RAM, 500 GB Hard Disk Operating System Ubuntu 20.04 LTS Software package: JAVA, MySQL, ODBC/JDBC.

Sr. No.	Name Experimental Setup	Equipment required
Laboratory: Software Laboratory (506)		
	Web Technology Lab (SEM-II)	
1	Content to Bridge: Basic DDL & DML commands	Mysql ,Core i3, 500Gb SATA HD RAM: 4GB RAM, Windows 10 operating system
2	Case study : Before coding of the website planning is important students should visit different websites for the different client projects And note down evaluation results	Google Chrome / Internet Explorer, Core i3, 500Gb SATA HD RAM: 4GB RAM, Windows 10 operating system
3	Implement a web page index.htm for any client website (e.g., a restaurant website project) using following: a. HTML syntax: heading tags, basic tags and attributes, frames, tables, images, lists, links for text and images, forms etc. Use of Internal CSS, Inline CSS, External CSS	Google Chrome / Internet Explorer ,Core i3, 500Gb SATA HD RAM: 4GB RAM, Windows 10 operating system
4	Design the XML document to store the information of the employees of any business organization and demonstrate the use of: a) DTD b) XML Schema And display the content in (e.g., tabular format) by using CSS/XSL	XML Editor ,Core i3, 500Gb SATA HD RAM: 4GB RAM, Windows 10 operating system
5	Implement an application in Java Script using following: a) Design UI of application using HTML, CSS etc. b) Include Java script validation c) Use of prompt and alert window using Java Script e.g., Design and implement a simple calculator using Java Script for operations like addition, multiplication, subtraction, division, square of number etc. a) Design calculator interface like text field	Eclipse IDE /Netbeans , Core i3, 500Gb SATA HD RAM: 4GB RAM, Windows 10 operating system

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PUPN/Engg 124/1998 1

	for input and output, buttons for numbers and operators etc. b) Validate input values Prompt/alerts for invalid values etc.	
6	Implement the sample program demonstrating the use of Servlet. e.g., Create a database table ebookshop (book_id, book_title, book_author, book_price, quantity) using database like Oracle/MySQL etc. and display (use SQL select query) the table content using servlet	Eclipse IDE /Netbeans ,Core i3, 500Gb SATA HD RAM: 4GB RAM, Windows 10 operating system
7	Implement the program demonstrating the use of JSP. e.g., Create a database table students_info (stud_id, stud_name, class, division, city) using database like Oracle/MySQL etc. and display (use SQL select query) the table content using JSP.	Eclipse IDE /Netbeans ,Core i3, 500Gb SATA HD RAM: 4GB RAM, Windows 10 operating system
8	Design a login page with entries for name, mobile number email id and login button. Use struts and perform following validations a. Validation for correct names b. Validation for mobile numbers c. Validation for email id d. Validation if no entered any value e. Re-display for wrongly entered values with message Congratulations and welcome page upon successful entries	Eclipse IDE /Netbeans ,Core i3, 500Gb SATA HD RAM: 4GB RAM
9	Design an application using Angular JS. e.g., Design registration (first name, last name, username, password) and login page using Angular JS..	Eclipse IDE /Netbeans , MysqlCore i3, 500Gb SATA HD RAM: 4GB RAM, Windows 10 operating system
10	Design and implement a business interface with necessary business logic for any web application using EJB. e.g., Design and implement the web application logic for deposit and withdraw amount transactions using EJB	Eclipse IDE /Netbeans , MysqlCore i3, 500Gb SATA HD RAM: 4GB RAM, Windows 10 operating system
11	Mini Project: Design and implement a dynamic web application for any business functionality by using web development technologies that you have learnt in the above given assignments	Eclipse IDE /Netbeans, Mysql Core i3, 500Gb SATA HD RAM: 4GB RAM, Windows 10 operating system
12	Content Beyond Syllabus: create a simple mobile website using jQuery mobile	Eclipse IDE /Netbeans Core i3, 500Gb SATA HD RAM: 4GB RAM, Windows 10 operating system

Place: Pune
Date: 20 April 2022

INSTITUTE OF INFORMATION TECHNOLOGY * AISSMS * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

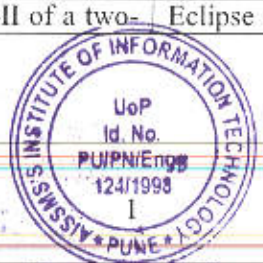
Laboratory Programming -IV (SEM-II)		
1	Implement a Lexical Analyzer	Ubantu 20, Core i3, 500Gb SATA HD RAM: 4GB RAM,
2	Implement a parser for an expression grammar using YACC and LEX	Ubantu 20, Core i3, 500Gb SATA HD RAM: 4GB RAM
3	Generate and Populate appropriate Symbol Table	Ubantu 20, Core i3, 500Gb SATA HD RAM: 4GB RAM
4	Implement Semantic Analysis Operations	Ubantu 20, Core i3, 500Gb SATA HD RAM: 4GB RAM
5	Generate the threeaddress code for a simple language	Ubantu 20, Core i3, 500Gb SATA HD RAM: 4GB RAM
6	Code generation using Register Allocation	Ubantu 20, Core i3, 500Gb SATA HD RAM: 4GB RAM
7	Code generation of Instruction Scheduling Algorithm	Ubantu 20, Core i3, 500Gb SATA HD RAM: 4GB RAM
8	Implement local and global code optimizations such as common sub expression elimination,copy propagation,dead code elimination,loop and basic block optimization(optional)	Ubantu 20, Core i3, 500Gb SATA HD RAM: 4GB RAM
9	Implement POS tagging for simple sentences written Hindi, English or any Indian Language.	Ubantu 20, Core i3, 500Gb SATA HD RAM: 4GB RAM
10	Installation and configuration of own Cloud	Ubuntu 20 , Mysql, Core i3, 500Gb SATA HD RAM: 4GB RAM
11	Implementation of Virtualization in Cloud Computing to Learn Virtualization Basics, Benefits of Virtualization in Cloud using Open Source Operating System.	Ubuntu 20 ,Mysql, Core i3, 500Gb SATA HD RAM: 4GB RAM
12	Write a program for Web feed using PHP and HTML.	PHP, HTML, Core i3, 500Gb SATA HD RAM: 4GB RAM
13	Case study on Amazon EC2 to learn about Amazon EC2, Amazon Elastic Compute Cloud is a central part of Armónico's cloud computing platform, Amazon Web Services. How EC2 allows users torrent virtual computers on which to run their own computer applications.	Ubuntu 20 ,Mysql, Core i3, 500Gb SATA HD RAM: 4GB RAM
14	Case study on Microsoft azure to learn about Microsoft Azure is a cloud computing platform and infrastructure, created by Microsoft, forbuilding, deploying and managing applications and services through a global network of Microsoft-managed datacenters. How it work, different services provided byit.	Ubuntu 20 ,Mysql, Core i3, 500Gb SATA HD RAM: 4GB RAM
Laboratory Programming 1(SEM-I)		
1	Vector and Matrix Operations Design parallel algorithm to add Two large Vectors ,multiply Vector and Matrix	Ubuntu 20, Core i3, 500Gb SATA HD RAM: 4GB RAM

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

2	For Bubble Sort, based on existing sequential algorithms, design and implement parallel algorithm utilizing all resources available.	Ubuntu 20, Core i3, 500Gb SATA HD RAM: 4GB RAM
3	For Merger Sort, based on existing sequential algorithms, design and implement parallel algorithm utilizing all resources available	Ubuntu 20, Core i3, 500Gb SATA HD RAM: 4GB RAM
4	Design and implement parallel algorithm utilizing all resources available. For Binary Search for Sorted Array	Ubuntu 20, Core i3, 500Gb SATA HD RAM: 4GB RAM
5	Design and implement Depth-First Search (tree or an undirected graph) , Breadth-First Search (tree or an undirected graph).	Ubuntu 20, Core i3, 500Gb SATA HD RAM: 4GB RAM
6	Use heuristic search technique to implement best first search and A* algorithm	Ubuntu 20, Core i3, 500Gb SATA HD RAM: 4GB RAM
7	Use Heuristic Search Techniques to Implement Hill-Climbing Algorithm	Ubuntu 20, Core i3, 500Gb SATA HD RAM: 4GB RAM
8	Use heuristic search technique to implement N-Queen problem.	Ubuntu 20, Core i3, 500Gb SATA HD RAM: 4GB RAM
9	Download Iris pattern flower data set & analysis it. .use python.	Ubuntu 20, Core i3, 500Gb SATA HD RAM: 4GB RAM
10	Download PIMA Indian diabetes .Load data from csv file & split in two parts	Ubuntu 20, Core i3, 500Gb SATA HD RAM: 4GB RAM
11	Write a Hadoop program that counts the number of occurrences of each word in a text file.	Ubuntu 20, Core i3, 500Gb SATA HD RAM: 4GB RAM
12	Write a program that interacts with the weather database. Find the day and the station with the maximum snowfall in 2013	Ubuntu 20, Core i3, 500Gb SATA HD RAM: 4GB RAM
13	Write a program to find repeating element in an array (duplicate elements)	Ubuntu 20, Core i3, 500Gb SATA HD RAM: 4GB RAM
	System Programming & Operating System Laboratory (SEM-1)	
1	Design suitable data structures and implement pass-I of a two-pass assembler for pseudo machine in Java using object-oriented feature. Implementation should consist of a few instructions from each category and few assembler directives.	Eclipse IDE , Core i3, 500Gb SATA HD RAM: 4GB RAM
2	Implement Pass-II of two pass assembler for pseudo-machine in Java using object-oriented features. The output of assignment-1 (intermediate file and symbol table) should be input for this assignment.	Eclipse IDE , Core i3, 500Gb SATA HD RAM: 4GB RAM
3	Design suitable data structures and implement pass-I of a two-pass macro-processor using OOP features in Java.	Eclipse IDE , Core i3, 500Gb SATA HD RAM: 4GB RAM
4	Write a Java program for pass-II of a two-	Eclipse IDE , Core i3, 500Gb SATA HD

Place: Pune
Date: 20 April 2022



(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

	pass macro-processor. The output of assignment-3 (MNT, MDT and file without any macro definitions) should be input for this assignment.	RAM: 4GB RAM
5	Write a program to create Dynamic Link Library for any mathematical operation and write an application program to test it. (Java Native Interface / Use VB or VC++).	Eclipse IDE , Core i3, 500Gb SATA HD RAM: 4GB RAM
6	Write a program using Lex specifications to implement lexical analysis phase of compiler to generate tokens of subset of 'Java' program.	Eclipse IDE , Core i3, 500Gb SATA HD RAM: 4GB RAM
7	Write a program using Lex specifications to implement lexical analysis phase of compiler to count no. of words, lines and characters of given input file.	Eclipse IDE , Core i3, 500Gb SATA HD RAM: 4GB RAM
8	Write a program using YACC specifications to implement syntax analysis phase of compiler to validate type and syntax of variable declaration in Java.	Eclipse IDE , Core i3, 500Gb SATA HD RAM: 4GB RAM
9	Write a program using YACC specifications to implement syntax C308.3 1,2,3,5, 1,2 26 analysis phase of compiler to recognize simple and compound sentences given in input file.	Eclipse IDE , Core i3, 500Gb SATA HD RAM: 4GB RAM
10	Write a Java program (using OOP features) to implement following scheduling algorithms: FCFS , SJF (Preemptive), Priority (Non-Preemptive) and Round Robin (Preemptive)	Eclipse IDE , Core i3, 500Gb SATA HD RAM: 4GB RAM
11	Write a Java program to implement Banker's Algorithm.	Eclipse IDE , Core i3, 500Gb SATA HD RAM: 4GB RAM
12	Implement UNIX system calls like ps, fork, join, exec family, and wait for process management (use shell script/ Java/ C programming).	Core i3, 500Gb SATA HD RAM: 4GB RAM
13	Study assignment on process scheduling algorithms in Android and Tizen.	Eclipse IDE , Core i3, 500Gb SATA HD RAM: 4GB RAM
14	Write a Java Program (using OOP features) to implement paging simulation using 1. Least Recently Used (LRU) 2. Optimal algorithm	Eclipse IDE , Core i3, 500Gb SATA HD RAM: 4GB RAM

Sr. No.	Name Experimental Setup	Equipment required
Laboratory: Computer Network and Security Lab (507)		
1	Setup a wired LAN using Layer 2 Switch	Desktop Computer ,Core i3 processor, 4GB

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

	It includes preparation of cable, testing of cable usingline tester, configuration machine using IP addresses, testing using PING utility and demonstrating the PING packets captured traces using Wireshark Packet Analyzer Tool.	RAM Tools:Wireshark
2	Demonstrate the different types of topologies and types of transmission media by using a packettracer tool.	Desktop Computer ,Core i3 processor, 4GB RAM Tools:Wireshark/CISCO packet tracer
3	Write a program for error detection and correction for 7/8 bits ASCII codes using HammingCodes or CRC.	Desktop Computer ,Core i3 processor, 4GB RAM Software:Java
4	Write a program to simulate Go back N and Selective Repeat Modes of Sliding WindowProtocol in Peer-to-Peer mode.	Desktop Computer ,Core i3 processor, 4GB RAM Software:Java
5	Write a program to demonstrate Sub-netting and find subnet masks.	Desktop Computer ,Core i3 processor, 4GB RAM Software:Java
6	Write a program to implement link state /Distance vector routing protocol to find suitable path for transmission.	Desktop Computer ,Core i3 processor, 4GB RAM Software:Java
7	Use packet Tracer tool for configuration of 3 router network using one of the following protocol RIP/OSPF/BGP.	Desktop Computer ,Core i3 processor, 4GB RAM Tools:Wireshark/ CISCO packet tracer
8	Write a program using TCP socket for wired network for following a. Say Hello to Each other b. File transfer c. Calculator	Desktop Computer ,Core i3 processor, 4GB RAM Software:Java
9	Write a program using UDP Sockets to enable file transfer (Script, Text, Audio and Video one file each) between two machines	Desktop Computer ,Core i3 processor, 4GB RAM Software:Java
10	Write a program for DNS lookup. Given an IP address as input, it should return URL and vice- versa.	Desktop Computer ,Core i3 processor, 4GB RAM Software:Java
11	Installing and configure DHCP server and write a program to install the software on remote machine	Desktop Computer ,Core i3 processor, 4GB RAM Software:Java
12	Capture packets using Wireshark, write the exact packet capture filter expressions to accomplish the following and save the output in file: 1. Capture all TCP traffic to/from Facebook, during the time when you log in to your Facebook account 2. Capture all HTTP traffic to/from Facebook, when you log in to your Facebook account 3. Write a DISPLAY filter expression to count all TCP packets (captured under item #1) that have the flags SYN, PSH, and RST set. Show the fraction of packets that had each flag set.	Desktop Computer ,Core i3 processor, 4GB RAM Tools:Wireshark

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

	4. Count how many TCP packets you received from / sent to Face book, and how many of each were also HTTP packets	
13	Study and Analyze the performance of HTTP, HTTPS and FTP protocol using Packet tracertool	Desktop Computer ,Core i3 processor, 4GB RAM Tools:Wireshark
14	To study the IPsec (ESP and AH) protocol by capturing the packets using Wireshark tool	Desktop Computer ,Core i3 processor, 4GB RAM Tools:Wireshark

Sr. No.	Name Experimental Setup	Equipment required
Laboratory: Microprocessor Laboratory (507)		
1	Bridge the Gap Assignment ALP to accept macro for accessing the data from user and displaying the data on output screen.	Desktop Computer ,Core i3 processor, 4GB RAM Tools: UBUNTU,NASM
2	Write an X86 ALP to accept five 64 bit Hexadecimal numbers from user and store them in an array and display the accepted numbers.	Desktop Computer ,Core i3 processor, 4GB RAM Tools: UBUNTU,NASM
3	Write an X86/64 ALP to accept a string and to display its length.	Desktop Computer ,Core i3 processor, 4GB RAM Tools: UBUNTU,NASM
4	Write a switch case driven X86/64 ALP to perform 64-bit hexadecimal arithmetic operations (+,-,*, /) using suitable macros. Define procedure for each operation.	Desktop Computer ,Core i3 processor, 4GB RAM Tools: UBUNTU,NASM
5	Write an X86/64 ALP to count number of positive and negative numbers from the array.	Desktop Computer ,Core i3 processor, 4GB RAM Tools: UBUNTU,NASM
6	Write X86/64 ALP to perform non-overlapped block transfer without string specific instructions. Block containing data can be defined in the data segment.	Desktop Computer ,Core i3 processor, 4GB RAM Tools: UBUNTU,NASM
7	Write X86/64 ALP to perform overlapped block transfer with string specific instructions Block containing data can be defined in the data segment.	Desktop Computer ,Core i3 processor, 4GB RAM Tools: UBUNTU,NASM
8	Write X86/64 ALP to perform multiplication of two 8-bit hexadecimal numbers. Use successive addition and add and shift method. (use of 64-bit registers is expected).	Desktop Computer ,Core i3 processor, 4GB RAM Tools: UBUNTU,NASM
9	Write X86 Assembly Language Program (ALP) to implement following OS commands i) COPY, ii)TYPE Using file operations. User is supposed to provide command line arguments	Desktop Computer ,Core i3 processor, 4GB RAM Tools: UBUNTU,NASM

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998 I

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

10	Write x86 ALP to find the factorial of a given integer number on a command line by using recursion. Explicit stack manipulation is expected in thecode.	Desktop Computer ,Core i3 processor, 4GB RAM Tools: UBUNTU,NASM
11	Study Assignment: Motherboards are complex. Break them down, component by component, and Understand how they work. Choosing a motherboard is a hugely important part of building a PC. Study- Block diagram, Processor Socket, Expansion Slots, SATA, RAM, Form Factor, BIOS, Internal Connectors, External Ports, Peripherals and Data Transfer, Display, Audio, Networking, Overclocking, and Cooling. 4. https://www.intel.in/content/www/in/en/support/articles/000006014/boards-and-kits/desktop-boards.html	Desktop Computer ,Core i3 processor, 4GB RAM Tools: UBUNTU,NASM
12	Content Beyond Syllabus- Call C Function in ASM Program	Desktop Computer ,Core i3 processor, 4GB RAM Tools: UBUNTU,NASM

Sr. No.	Name Experimental Setup	Equipment required
Laboratory: Information Security Lab (507)		
1	Implement depth first search algorithm and Breadth First Search algorithm, Use an undirected graph and develop a recursive algorithm for searching all the vertices of a graph or tree data structure.	Desktop Computer ,Core i3 processor, 4GB RAM Software:Java/C/C++/Pyhton
2	Implement A star Algorithm for any game search problem	Desktop Computer ,Core i3 processor, 4GB RAM Software:Java/Pyhton
3	Implement Greedy search algorithm for any of the following application:Selection Sort/Minimum Spanning Tree/Single-Source Shortest Path Problem/Job Scheduling Problem	Desktop Computer ,Core i3 processor, 4GB RAM Software:Java/C/C++/Pyhton
4	Implement a solution for a Constraint Satisfaction Problem using Branch and Bound and Backtracking for n-queens problem or a graph coloring problem.	Desktop Computer ,Core i3 processor, 4GB RAM Software:Java/Python
5	Develop an elementary chatboat for any suitable customer interaction application.	Desktop Computer ,Core i3 processor, 4GB RAM Software:Jav/Python
6	Implement any one of the following Expert System Information management/Hospitals and medical	Desktop Computer ,Core i3 processor, 4GB RAM Software:Java/C/C++/Python

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

	facilities/Help desks management/Employee performance evaluation/Stock market trading/Airline scheduling and cargo schedules	
7	Write a Java/C/C++/Python program to perform encryption and decryption using the method of Transposition technique.	Desktop Computer ,Core i3 processor, 4GB RAM Software: Java/C/C++
8	Write a Java/C/C++/Python program to implement DES algorithm.	Desktop Computer ,Core i3 processor, 4GB RAM Software: Java/C/C++
9	Write a Java/C/C++/Python program to implement AES Algorithm.	Desktop Computer ,Core i3 processor, 4GB RAM Software:Java/C/C++
10	Write a Java/C/C++/Python program to implement RSA algorithm.	Desktop Computer ,Core i3 processor, 4GB RAM Software:Java/C/C++
11	Calculate the message digest of a text using the MD5 algorithm in JAVA	Desktop Computer ,Core i3 processor, 4GB RAM Software:Java
12	beyond syllabus: study use of wireshark in detecting various security attacks	Desktop Computer ,Core i3 processor, 4GB RAM Tools:Wireshark

Sr. No.	Name Experimental Setup	Equipment required
Laboratory: Advanced Software Laboratory (508)		
SEM I CLASS: SE COMP	SUBJECT: DATA STRUCTURES LABORATORY	
1	Write a Python program to store marks scored in subject "Fundamental of Data Structure" by N students in the class. Write functions to compute following: The average score ofclass Highest score and lowest score ofclass Count of students who were absent for thetest Display mark with highestfrequency	Lenovo Desktop PC 4GB RAM 500 GB HDD, Core i3 Processor Python IDE Pychram
2	Write a Python program to compute following operations on String: To display word with the longestlength To determines the frequency of occurrence of particular character in thestring To check whether given string is palindrome ornot To display index of first appearance of thesubstring To count the occurrences of each word in a givenstring	Lenovo Desktop PC 4GB RAM 500 GB HDD, Core i3 Processor Python IDE Pychram
3	Write a python program that determines the location of a saddle point of matrix if one exists. An m x n matrix is said to have a saddle point if some entry a[i][j] is the	Lenovo Desktop PC 4GB RAM 500 GB HDD, Core i3 Processor Python IDE Pychram

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998 1

	smallest value in row i and the largest value in j.	
4	Write a python program to compute following computation on matrix: Addition of twomatrices Subtraction of two matrices Multiplication of twomatrices Transpose of amatrix	Lenovo Desktop PC 4GB RAM 500 GB HDD, Core i3 Processor Python IDE Pychram
5	Write a python program to store roll numbers of student in array who attended training program in random order. Write function for searching whether particular student attended training program or not, using Linear search and Sentinelsearch.	Lenovo Desktop PC 4GB RAM 500 GB HDD, Core i3 Processor Python IDE Pychram
6	Write a python program to store names and mobile numbers of your friends in sorted order on names. Search your friend from list using binary search (recursive and non- recursive). Insert friend if not present inphonebook	Lenovo Desktop PC 4GB RAM 500 GB HDD, Core i3 Processor Python IDE Pychram
7	Write a python program to store names and mobile numbers of your friends in sorted order on names. Search your friend from list using binary search (recursive and non- recursive). Insert friend if not present inphonebook	Lenovo Desktop PC 4GB RAM 500 GB HDD, Core i3 Processor Python IDE Pychram
8	Write a python program to store first year percentage of students in array. Write function for sorting array of floating point numbers in ascending order using Selection Sort Bubble sort and display top fivescores	Lenovo Desktop PC 4GB RAM 500 GB HDD, Core i3 Processor Python IDE Pychram
9	Department of Computer Engineering has student's club named 'Pinnacle Club'. Students of second, third and final year of department can be granted membership on request. Similarly one may cancel the membership of club. First node is reserved for president of club and last node is reserved for secretary of club. Write C++ program to maintain club member's information using singly linked list. Store student PRN and Name. Write functions to: Add and delete the members as well as president or evensecretary. Compute total number of members ofclub Display members Two linked lists exists for two divisions	Lenovo Desktop PC 4GB RAM 500 GB HDD, Core i3 Processor Gedit editor on Ubuntu Codeblock for C++ on windows

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY PUNE UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

	Concatenate twolists.	
10	Write C–+ program for storing binary number using doubly linked lists. Write functions- To compute 1's and 2'scomplement Add two binarynumbers	Lenovo Desktop PC 4GB RAM 500 GB HDD, Core i3 Processor Gedit editor on Ubuntu Codeblock for C++ on windows
11	A palindrome is a string of character that's the same forward and backward. Typically, punctuation, capitalization, and spaces are ignored. For example, "Poor Dan is in a droop" is a palindrome, as can be seen by examining the characters "poor danisina droop" and observing that they are the same forward and backward. One way to check for a palindrome is to reverse the characters in the string and then compare with them the original-in a palindrome, the sequence will be identical. Write C++ program with functions- To print original string followed by reversed string usingstack To check whether given string is palindrome ornot	Lenovo Desktop PC 4GB RAM 500 GB HDD, Core i3 Processor Gedit editor on Ubuntu Codeblock for C++ on windows

Sr. No.	Name Experimental Setup	Equipment required
Laboratory: Advanced Software Laboratory (508)		
SEM I CLASS: SE COMP	SUBJECT: OOP/CG LABORATORY	
1	Bridge the Gap : Difference between Object Oriented Programming & Procedural Oriented Programming	Linux OS, 64 Bit Quad Core Processor, [Practical are implemented using Eclipse Editor]
2	Implement a class Complex which represents the Complex Number data type. Implement the following operations: 1. Constructor (including a default constructor which creates the complex number 0+0i). 2. Overloaded operator+ to add two complex numbers. 3. Overloaded operator* to multiply two complex numbers. 4. Overloaded << and >> to print and read Complex Numbers.	[Practical are implemented using Eclipse Editor] Linux OS, 64 Bit Quad Core Processor,

Place: Pune
Date: 20 April 2022

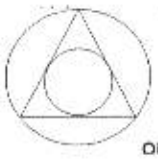
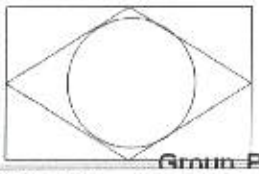
ASSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

3	DevelopaprograminC++tocreateadatabase ofstudent'sinformationsystemcontainingth e following information: Name, Roll number, Class, Division, Date of Birth, Blood group, Contact address, Telephone number, Driving license no. and other. Construct the database with suitablememberfunctions.Makeuseofconst ructor,defaultconstructor,copyconstructor, destructor, static member functions, friend class, this pointer, inline code and dynamic memory allocation operators-new and delete as well as exception handling.	[Practical are implemented using Eclipse Editor] Linux OS, 64 Bit Quad Core Processor,
4	Imagine a publishing company which does marketing for book and audio cassette versions. Create a class publication that stores the title (a string) and price (type float) of publications. From this class derive two classes: book which adds a page count (type int) and tape which adds a playing time in minutes (type float). Write a program that instantiates the book and tape class, allows user to enter data and displays the data members. If an exception is caught, replace all the data member values with zero values.	[Practical are implemented using Eclipse Editor] Linux OS, 64 Bit Quad Core Processor,
5	Write a C++ program that creates an output file, writes information to it, closes the file, open it again as an input file and read the information from the file.	[Practical are implemented using Eclipse Editor] Linux OS, 64 Bit Quad Core Processor,
6	Write a function template for selection sort that inputs, sorts and outputs an integer array and a float array.	[Practical are implemented using Eclipse Editor] Linux OS, 64 Bit Quad Core Processor,
7	Write C++ program using STL for sorting and searching user defined records such as personal records (Name, DOB, Telephone number etc) using vector container.OR Write C++ program using STL for sorting and searching user defined records such as Item records (Item code, name, cost, quantity etc) using vector container.	[Practical are implemented using Eclipse Editor] Linux OS, 64 Bit Quad Core Processor,
8	Write a program in C+− to use map associative container. The keys will be the names of states and the values will be the populations of the states. When the	[Practical are implemented using Eclipse Editor]

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

	program runs, the user is prompted to type the name of a state. The program then looks in the map, using the state name as an index and returns the population of the state.	Linux OS, 64 Bit Quad Core Processor,
	Part II : Computer Graphics	
9	Write C++ program to draw the following pattern. Use DDA line and Bresenham's circle drawing algorithm. Apply the concept ofencapsulation.  OR WriteC++programtodraw thefollowingpattern.UseDDAlinea ndBresenham'scircle drawing algorithm. Apply the concept ofencapsulation. 	[Practical are implemented using Eclipse Editor] Linux OS, 64 Bit Quad Core Processor,
10	Write C++ program to draw a concave polygon and fill it with desired color using scan fill algorithm. Apply the concept of inheritance.	[Practical are implemented using Eclipse Editor] Linux OS, 64 Bit Quad Core Processor,
11	Write C++ program to implement Cohen Southerland line clipping algorithm.	[Practical are implemented using Eclipse Editor] Linux OS, 64 Bit Quad Core Processor,
Group B		
12	Write C++ program to draw 2-D object and perform following basic transformations,Scaling b) Translation c) Rotation. Apply the concept of operator overloading. OR Write C++ program to implement translation, rotation and scaling transformations on equilateral triangle and rhombus. Apply the concept of operator overloading.	[Practical are implemented using Eclipse Editor] Linux OS, 64 Bit Quad Core Processor,

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

13	Write C++ program to generate snowflake using concept offractals. OR Write C++ program to generate Hilbert curve using concept offractals. OR Write C++ program to generate fractal patterns by using Kochcurves.	[Practical are implemented using Eclipse Editor] Linux OS, 64 Bit Quad Core Processor,
Group C		
14	Design and simulate any data structure like stack or queue visualization using graphics. Simulation should include all operations performed on designed data structure. Implement the same usingOpenGL. OR Write C++ program to draw 3-D cube and perform following transformations on it using OpenGL i) Scaling ii) Translation iii) Rotation about an axis(X/Y/Z). OR Write OpenGL program to draw Sun Rise andSunset.	[Practical are implemented using Eclipse Editor] Linux OS, 64 Bit Quad Core Processor,
15	Write a C++ program to control a ball using arrow keys. Apply the concept of polymorphism. OR Write a C++ program to implement bouncing ball using sine wave form. Apply theconcept ofpolymorphism. OR Write C++ program to draw man walking in the rain with an umbrella. Apply the conceptof polymorphism. OR Write a C++ program to implement the game of 8 puzzle. Apply the concept of polymorphism. OR WriteaC++programtoimplementthegameTicTacToe.Applytheconceptof polymorphism.	[Practical are implemented using Eclipse Editor] Linux OS, 64 Bit Quad Core Processor,
16	Mini Project/Case Study	
	Design and implement game / animation clip / Graphics Editor using open source graphics library. Make use of maximum features of Object Oriented Programming.	[Practical are implemented using Eclipse Editor] Linux OS, 64 Bit Quad Core Processor,

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

Sr. No.	Name Experimental Setup	Equipment required
Laboratory: Advanced Software Laboratory (508)		
SEM II SUBJECT: DATA STRUCTURES and ALGORITHMS LABORATORY CLASS: SE COMP		
1	CBG: Implementation of Singly Linked List	Lenovo Desktop PC 4GB RAM 500 GB HDD, Core i3 Processor Gedit editor on Ubuntu Codeblock for C++ on windows
2	Consider telephone book database of N clients. Make use of a hash table implementation to quickly look up client's telephone number. Make use of two collision handling techniques and compare them using number of comparisons required to find a set of telephone numbers	Lenovo Desktop PC 4GB RAM 500 GB HDD, Core i3 Processor Python IDE Pychram
3	To create ADT that implement the "set" concept. a. Add (new Element) -Place a value into the set , b. Remove (element) Remove the value c. Contains (element) Return true if element is in collection, d. Size () Return number of values in collection Iterator () Return an iterator used to loop over collection, e. Intersection of two sets , f. Union of two sets, g. Difference between two sets, h. Subset	Lenovo Desktop PC 4GB RAM 500 GB HDD, Core i3 Processor Python IDE Pychram
4	A book consists of chapters, chapters consist of sections and sections consist of subsections. Construct a tree and print the nodes. Find the time and space requirements of your method.	Lenovo Desktop PC 4GB RAM 500 GB HDD, Core i3 Processor Gedit editor on Ubuntu Codeblock for C++ on windows
5	Beginning with an empty binary search tree, Construct binary search tree by inserting the values in the order given. After constructing a binary tree - i. Insert new node, ii. Find number of nodes in longest path from root, iii. Minimum data value found in the tree, iv. Change a tree so that the roles of the left and right pointers are swapped at every node, v. Search a value	Lenovo Desktop PC 4GB RAM 500 GB HDD, Core i3 Processor Gedit editor on Ubuntu Codeblock for C++ on windows
6	Construct an expression tree from the given prefix expression eg. +--a*bc/def and traverse it using post order traversal (non	Lenovo Desktop PC 4GB RAM 500 GB HDD, Core i3 Processor Gedit editor on Ubuntu

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

	recursive) and then delete the entire tree.	Codeblock for C++ on windows
7	Represent a given graph using adjacency matrix/list to perform DFS and using adjacency list to perform BFS. Use the map of the area around the college as the graph. Identify the prominent land marks as nodes and perform DFS and BFS on that.	Lenovo Desktop PC 4GB RAM 500 GB HDD, Core i3 Processor Gedit editor on Ubuntu Codeblock for C++ on windows
8	There are flight paths between cities. If there is a flight between city A and city B then there is an edge between the cities. The cost of the edge can be the time that flight take to reach city B from A, or the amount of fuel used for the journey. Represent this as a graph. The node can be represented by airport name or name of the city. Use adjacency list representation of the graph or use adjacency matrix representation of the graph. Check whether the graph is connected or not. Justify the storage representation used.	Lenovo Desktop PC 4GB RAM 500 GB HDD, Core i3 Processor Gedit editor on Ubuntu Codeblock for C++ on windows
9	Given sequence k = k1 <k2 < … <kn of n sorted keys, with a search probability pi for each key ki . Build the Binary search tree that has the least search cost given the access probability for each key?	Lenovo Desktop PC 4GB RAM 500 GB HDD, Core i3 Processor Gedit editor on Ubuntu Codeblock for C++ on windows
10	Implement the Heap/Shell sort algorithm implemented in Java demonstrating heap/shell data structure with modularity of programming language	Lenovo Desktop PC 4GB RAM 500 GB HDD, Core i3 Processor Gedit editor on Ubuntu Codeblock for C++ on windows
11	Department maintains a student information. The file contains roll number, name, division and address. Allow user to add, delete information of student. Display information of particular employee. If record of student does not exist an appropriate message is displayed. If it is, then the system displays the student details. Use sequential file to main the data.	Lenovo Desktop PC 4GB RAM500 GB HDD, Core i3 Processor Gedit editor on Ubuntu Codeblock for C++ on windows
12	Company maintains employee information as employee ID, name, designation and salary. Allow user to add, delete information of employee. Display information of particular employee. If employee does not exist an appropriate message is displayed. If it is, then the system displays the employee details. Use index sequential file to maintain the data.	Lenovo Desktop PC 4GB RAM 500 GB HDD, Core i3 Processor Gedit editor on Ubuntu Codeblock for C++ on windows

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY UoP Id. No. PU/PN/Engg/124/1998 PUNE

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

13	CBS: Mini Project using any data structure and file handling concept e.g. Supermarket Billing System, Railway Reservation System	Lenovo Desktop PC 4GB RAM 500 GB HDD, Core i3 Processor Gedit editor on Ubuntu Codeblock for C+– on windows

Sr. No.	Title of Assignment	Equipment required (Hardware & Software)
Name of Laboratory: Language Lab 602		
	Subject-1: Human Computer Interaction Lab	Class:-TE-IT(SEM-I)
1	Bridge the gap	PC 64-bit open-source software
2	Identify and observe bad designs Submit minimum of 3 to 5 photographs of bad designs in their surrounding or home or any product or neighborhood and create a report mentioning why is it bad?	PC 64-bit open-source software
3	"The Jugad": Humans are very creative and often use it to get work done with available set up and resources. Students are expected to identify Jugad (things used creatively but not meant for that) things and submit minimum of 3 to 5 photographs of jugad in their surrounding or home or neighborhood. Prepare a report mentioning the Jugad and source of photos. Discuss the outcome during lab session.	PC 64-bit open-source software
4	Feedback and Constraint: Products or interfaces should offer useful feedback to understand the state and have constraints to avoid mistakes while using them.	PC 64-bit open-source software
5	Prototype and wire frame: Choose a problem statement and identify – Types of users going to use (age, experience, environmental conditions during use etc..) Minimum 3 scenarios of use Create paper-based prototypes for scenarios.Use any open-source tool to wire frame scenarios.	PC 64-bit open-source software /tool
6	CSS: Design minimum of 5 web pages using CSS for the problem statement chosen in assignment no. 4. Apply CSS properties Border, margins, Padding, Navigation, dropdown list to page	PC 64-bit open-source software
7	CMS tool: Develop website using any CMS tool which falls into one of the categories blog, social networking, News updates, Wikipedia, E-commerce store. Website must include home page, and at least 5 forms. Use WordPress/ Joomla/ Drupal /PHP/	PC 64-bit open-source software

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id: No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

	CSS/Bootstrap/ JavaScript.	
8	Evaluation of Interface: Students are expected to evaluate minimum of two products / software interface against known HCI evaluation.	PC 64-bit open-source software

	Subject-2: Logic Design and Computer Organization	Class:-SEIT(SEM-I)
1	Design and implement 4-bit BCD to Excess-3 code	Digital trainer kit,Patchcords,ICs
2	Design and implement 1 digit BCD adder usingIC7483	Digital trainer kit,Patchcords,ICs
3	Design and implement following using multiplexer IC 74153 1) full adder 2) Any three variable function (cascade method)	Digital trainer kit,Patchcords,ICs
4	Design and implement full subtractor using decoder IC 74138	Digital trainer kit,Patchcords,ICs
5	Design and implement 3 bit Up and 3 bit Down Asynchronous Counters using master slave JK flip-flop IC 7476	Digital trainer kit,Patchcords,ICs
6	Design and implement 3 bit Up and 3 bit Down Synchronous Counters using master slave JK flip-flop IC 7476	Digital trainer kit,Patchcords,ICs
7	Design and implement Modulo 'N' counter using IC7490. (N= 100 max)	Digital trainer kit,Patchcords,ICs
8	Design & simulate single bit ALU with four functions (AND, OR, XOR, ADD).	Virtual Lab
9	Design & simulation of single instruction CPU.	Virtual Lab

	Subject-3: Computer Lab-VIII	Class:-BE(SEM-I)
1	Write Problem Statement for System / Project Identify Project of enough complexity, which has at least 4-5 major functionalities. Identify stakeholders, actors and write detail problem statement for your system.	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,2GB DDR Softwares: Ubuntu OS, Visual Paradigm
2	Prepare Use Case Model Identify Major Use Cases, Identify actors. Write Use Case specification for all major Use Cases. Draw detail Use Case Diagram using UML2.0 notations.	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,2GB DDR Softwares: Ubuntu OS, Visual Paradigm
3	Prepare Activity Model Identify Activity states and Action states. Draw Activity diagram with Swim lanes using UML2.0 Notations for major Use Cases	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,2GB DDR Softwares: Ubuntu OS, Visual

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

		Paradigm
4	Prepare Analysis Model-Class Model Identify Analysis Classes and assign responsibilities. Prepare Data Dictionary. Draw Analysis class Model using UML2.0 Notations. Implement Analysis class Model-class diagram with a suitable object oriented language	Hardware: LENOVO Make ntel E7500 Core 2 Duo 2.93 GHz ,2GB DDR Softwares: Ubuntu OS, Visual Paradigm
5	Prepare a Design Model from Analysis Model Study in detail working of system/Project. Identify Design classes/ Evolve Analysis Model. Use advanced relationships. Draw Design class Model using OCL and UML2.0 Notations. Implement the design model with a suitable object-oriented language.	Hardware: LENOVO Make ntel E7500 Core 2 Duo 2.93 GHz ,2GB DDR Softwares: Ubuntu OS, Visual Paradigm
6	Prepare Sequence Model. Identify at least 5 major scenarios (sequence flow) for your system. Draw Sequence Diagram for every scenario by using advanced notations using UML2.0 Implement these scenarios by taking reference of design model implementation using suitable object-oriented language.	Hardware: LENOVO Make E7500 Core 2 Duo 2.93 GHz B DDR Softwares: Ubuntu OS, Visual Paradigm
7	Prepare a State Model Identify States and events for your system. Study state transitions and identify Guard conditions. Draw State chart diagram with advanced UML 2 notations. Implement the state model with a suitable object-oriented language	Hardware: LENOVO Make ntel E7500 Core 2 Duo 2.93 GHz ,2GB DDR Softwares: Ubuntu OS, Visual Paradigm
8	Identification and Implementation of GRASP pattern Apply any two GRASP pattern to refine the Design Model for a given problem description Using effective UML 2 diagrams and implement them with a suitable object oriented language	Hardware: LENOVO Make ntel E7500 Core 2 Duo 2.93 GHz ,2GB DDR Softwares: Ubuntu OS, Visual Paradigm
9	Identification and Implementation of GOF pattern Apply any two GOF pattern to refine Design Model for a given problem description Using effective UML 2 diagrams and implement them with a suitable object oriented language	Hardware: LENOVO Make ntel E7500 Core 2 Duo 2.93 GHz ,2GB DDR Softwares: Ubuntu OS, Visual Paradigm

	Subject-4: Soft Skill Lab	Class:- SE(SEM-I))
1	Introduction of oneself and perform SWOC analysis.	PC with MS Word
2	Write the difference between a job and a career. Elaborate steps on how to plan a career.	PC with MS Word
3	Write the steps to plan short term and long term goals.	PC with MS Word
4	Prepare a speech for any topic of your choice on recent happening s in the country.	PC with MS Word
5	To write a review of any editorial article.	PC with MS Word

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998 1

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

6	Group Discussion.	PC with MS Word
7	To demonstrate reading skills.	PC with MS Word
8	To demonstrate listening skills.	PC with MS Word
9	To write a formal letter and Resume.	PC with MS Word
10	To perform poster presentation activity in team.	PC with MS Word
11	To Prepare PPT presentation.	PC with MS Power Point
12	To Give PPT presentation.	PC with MS Power Point

Name of Laboratory:602 (SEM-II)		
Sr. No.	Subject-1: Project Based Learning	Class:SEIT(SEM-II)
1	Making team and submission of Project statement	-
2	Initial Presentation about Problem/Project statement	PC with MS Office
3	Implementation of Project as per plan and methodology	PC with Python, Java IDE
4	Documentation	PC with MS Office
5	Demonstration and Presentation	PC with MS Office

Sr. No.	Subject-2: Computer Lab-IX	Class: BE(SEM-II)
1	Bridge the gap: To develop application through implementing client-server communication programs based on Java Sockets	PC, Printer, UPS and Linux OS Eclipse or NetBeans,Java
2	Develop any distributed application through implementing client-server communication programs based on Java Sockets and RMI techniques.	PC, Printer, UPS and Linux OS Eclipse or NetBeans,Java
3	Develop any distributed application using Message Passing Interface (MPI).	PC, Printer, UPS and Linux OS Eclipse or NetBeans, Java
4	Develop any distributed application with CORBA program using JAVA IDL	PC, Printer, UPS and Linux OS

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

		Eclipse or NetBeans,Java
5	Develop any distributed algorithm for leader election.	PC, Printer, UPS and Linux OS Eclipse or NetBeans, Java
6	Create a simple web service and write any distributed application to consume the web service.	PC, Printer, UPS and Linux OS Eclipse or NetBeans, Java
7	Develop any distributed application using Messaging System in Publish-Subscribe paradigm	PC, Printer, UPS and Linux OS Eclipse or NetBeans, Java
8	Develop Micro services framework based distributed application.	PC, Printer, UPS and Linux OS Eclipse or NetBeans, Java
9	Beyond Syllabus.: Implement a small Distributed application to share file using GUI	PC, Printer, UPS and Linux OS Eclipse or NetBeans, Java

Name of Laboratory: Hardware Laboratory (lab 603)		
Sr. No.	Subject-1: OPERATING SYSTEMS LABORATORY	Class:- TE(SEM-I)
1	A. Study of Basic Linux Commands: echo, ls, read, cat, touch,test, loops, arithmetic comparison, conditional loops, grep, sedetc. B. Write a program to implement an address book with optionsgiven below: a) Create address book. b) View address book. c)Insert a record. d) Delete a record. e) Modify a record. f) Exit	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,8GB DDR Softwares: Linux Operating System Ubuntu
2	Process control system calls: The demonstration of FORK, EXECVE and WAIT system calls along with zombie and orphan states. A. Implement the C program in which main program accepts the integers to be sorted. Main program uses the FORK system call to create a new process called a child process. Parent process sorts the integers using sorting algorithm and waits for child process using WAIT system call to sort the integers using any sorting algorithm. Also demonstrate zombie and orphan states. B. Implement the C program in which main program accepts an array. Main program uses the FORK system call to create a new process called a child process. Parent process sorts an array and passes the sorted array to child	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,8GB DDR Softwares: Linux Operating System Ubuntu

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
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AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

	process through the command line arguments of EXECVE system call. The child process uses EXECVE system call to load new program which display array in reverse order.	
3	Implement the C program for CPU Scheduling Algorithms: Shortest Job First (Preemptive) and Round Robin with different arrival time.	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,8GB DDR Softwares: Linux Operating System Ubuntu
4	A. Thread synchronization using counting semaphores. Application to demonstrate: producer- consumer problem with counting semaphores and mutex. B. Thread synchronization and mutual exclusion using mutex. Application to demonstrate: Reader- Writer problem with reader priority.	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,8GB DDR Softwares: Linux Operating System Ubuntu
5	Implement the C program for Deadlock Avoidance Algorithm: Bankers Algorithm.	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,8GB DDR Softwares: Linux Operating System Ubuntu
6	Implement the C program for Page Replacement Algorithms: FCFS, LRU, and Optimal for frame size as minimum three.	
7	Inter process communication in Linux using following. A. FIFOS: Full duplex communication between two independent processes. First process accepts sentences and writes on one pipe to be read by second process and second process counts number of characters, number of words and number of lines in accepted sentences, writes this output in a text file and writes the contents of the file on second pipe to be read by first process and displays on standard output. B. Inter-process Communication using Shared Memory using System V. Application to demonstrate: Client and Server Programs in which server process creates a shared memory segment and writes the message to the shared memory segment. Client process reads the message from the shared memory segment and displays it to the screen.	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,8GB DDR Softwares: Linux Operating System Ubuntu
8	Implement the C program for Disk Scheduling Algorithms: SSTF, SCAN, C-Look considering the initial head position moving away from the spindle.	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,8GB DDR Softwares: Linux Operating System Ubuntu
9	Implement a new system call in the kernel space, add this new system call in the Linux kernel by the compilation of this kernel (any kernel source, any architecture and any Linux kernel	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz

Place: Pune
Date: 20 April 2022

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	distribution) and demonstrate the use of this embedded system call using C program in user space.	,8GB DDR Softwares: Linux Operating System Ubuntu

Sr. No.	Subject-2: COMPUTER LAB-VII (ICS+ML)	Class:-BE IT
1	Bridge the gap: Study of R language	PC, Printer, UPS and Linux OS
2	Write a program in C++ or Java to implement RSA algorithm for key generation and cipher verification.	PC, Printer, UPS and Linux OS Eclipse or NetBeans, Java
3	Develop and program in C++ or Java based on number theory such as Chinese remainder.	PC, Printer, UPS and Linux OS Eclipse or NetBeans, Java
4	Write a program in C++ or java to implement SHA1 algorithm using libraries (API)	PC, Printer, UPS and Linux OS Eclipse or NetBeans, Java
5	Configure and demonstrate use of vulnerability assessment tool such as Snort tool for intrusion or SSL Web security.	PC, Printer, UPS and Linux OS, Snort tool
6	Study of platform for Implementation of Assignments Download the open source software of your interest. Document the distinct features and functionality of the software platform. You may choose WEKA and R and Python	PC, Printer, UPS and Linux OS, R and WEKA tool
7	Supervised Learning - Regression (Using R) Generate a proper 2-D data set of N points. Split the data set into Training Data set and Test Data set. i) Perform linear regression analysis with Least Squares Method. ii) Plot the graphs for Training MSE and Test MSE and comment on Curve Fitting and Generalization Error. iii) Verify the Effect of Data Set Size and Bias-Variance Tradeoff. iv) Apply Cross Validation and plot the graphs for errors. v) Apply Subset Selection Method and plot the graphs for errors. vi) Describe your findings in each case	PC, Printer, UPS and Linux OS
8	Create Association Rules for the Market Basket Analysis for the given Threshold. (Using R)	PC, Printer, UPS and Linux OS, R and WEKA tool
9	Implement K-Means algorithm for clustering to create a Cluster on the given data.(Using Python)	PC, Printer, UPS and Linux OS, Python IDE
10	Implement SVM for performing classification and find its accuracy on the given data. (Using Python)	PC, Printer, UPS and Linux OS, Python IDE

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11	Creating & Visualizing Neural Network for the given data. (Using Python)	PC, Printer, UPS and Linux OS, Python IDE
12	On the given data perform the performance measurements using Simple Naïve Bayes algorithm such as Accuracy, Error rate, precision, Recall, TPR,FPR,TNR,FPR etc. (Using Weka API through JAVA)	PC, Printer, UPS and Linux OS, R and WEKA tool
13	Principal Component Analysis-Finding Principal Components, Variance and Standard Deviation calculations of principal components.(Using R)	PC, Printer, UPS and Linux OS, R and WEKA tool
14	Content Beyond Syllabus Implement a small machine learning application	PC, Printer, UPS and Linux OS, Python IDE

Name of Laboratory: Hardware Laboratory (lab 603) (Sem –II)

Sr. No.	Subject-2: Data Structures &Algorithms Lab	Class:-SEIT
1	Bridge the gap: Simple C ++programs	PC with C++IDE
2	An example of searching & sorting	PC with C++IDE
3	Stack Applications	PC with C++IDE
4	Circular Queue	PC with C++IDE
5	Binary Tree creation	PC with C++IDE
6	Expression Tree	PC with C++IDE
7	Binary search tree as ADT	PC with C++IDE
8	Graph	PC with C++IDE
9	Kruskal's algorithm	PC with C++IDE
10	Prim's algorithm	PC with C++IDE
11	Dijkstra's algorithm	PC with C++IDE
12	Hash Table	PC with C++IDE
13	File operations	PC with C++IDE

Sr. No.	Subject-1:Project based Learning	Class:SEIT
1	Making team and submission of Project statement	-
2	Initial Presentation about Problem/Project statement	PC with MS Office
3	Implementation of Project as per plan and methodology	PC with Python, Java
4	Documentation	PC with MS Office
5	Demonstration and Presentation	PC with MS Office

Sr. No.	Subject-2: Programming Skill Development Lab	Class:SEIT

Place: Pune
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1	Study of Embedded C programming language (Overview, syntax, One simple program like addition of two numbers).	PC with NP Lab software
2	Write an Embedded C program to add array of n numbers	PC with NP Lab software
3	Write an Embedded C program to transfer elements from one location to another for following: i) Internal to internal memory transfer ii) Internal to external memory transfer	PC with NP Lab software
4	Write an Embedded C menu driven program for : i) Multiply 8 bit number by 8 bit number ii) Divide 8 bit number by 8 bit number	PC with NP Lab software
5	Write an Embedded C program for sorting the numbers in ascending and descending order.	PIC 18 microcontroller kit, PC with NPLab software
6	Write an Embedded C program to interface PIC 18FXXX with LED & blinking it using specified delay.	PIC 18 microcontroller kit, PC with NPLab software
7	Write an Embedded C program for Timer programming ISR based buzzer on/off.	PIC 18 microcontroller kit, PC with NPLab software
8	Write an Embedded C program for External interrupt input switch press, output at relay.	PIC 18 microcontroller kit, PC with NPLab software
9	Write an Embedded C program for LCD interfacing with PIC 18FXXX	PIC 18 microcontroller kit, PC with NPLab software
10	Write an Embedded C program for Generating PWM signal for servo motor/DC motor.	PIC 18 microcontroller kit, PC with NPLab software
11	Write an Embedded C program for PC to PC serial communication using UART.	PIC 18 microcontroller kit, PC with NPLab software
12	Write an Embedded C program for Temperature sensor interfacing using ADC & display on LCD.	PIC 18 microcontroller kit, PC with NPLab software
13	Study of Arduino board and understand the OS installation process on Raspberry-pi.	Arduino board, PC with NPLab software
14	Write simple program using Open source prototype platform like Raspberry-Pi/Beagle board/Arduino for digital read/write using LED and switch Analog read/write using sensor and actuators.	Raspberry PI board,PC with NPLab software

Subject-3: Internet and Web Programming Class:BEIT

Place: Pune
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AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

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Sr. No.	Title of Assignment	Equipment required (Hardware & Software)
1	Bridge the gap: Study of Data structures and files, Discrete Structure, Software engineering principles and practices.	PC with browser , Java 8,Tomcat 8,Jqeury, and Node Js libraries
2	To use html5 layout tags and apply CSS properties.	PC with browser , Java 8,Tomcat 8,Jqeury, and Node Js libraries
3	Design an online registration form for any application and validate it using Jquery.	PC with browser , Java 8,Tomcat 8,Jqeury, and Node Js libraries
4	Design login application using PHP and add essence of Ajax in it.	PC with browser , Java 8,Tomcat 8,Jqeury, and Node Js libraries
5	Create Java Web Service and Integrate it with any suitable application.	PC with browser , Java 8,Tomcat 8,Jqeury, and Node Js libraries
6	Create JSP login page and validate it. Make use of Servlets.	PC with browser , Java 8,Tomcat 8,Jqeury, and Node Js libraries
7	To create an application for bill payment using angular JS.	PC with browser , Java 8,Tomcat 8,Jqeury, and Node Js libraries
8	Develop website using any CMS tool which fails into one of the categories blog, social networking, news update, Wikipedia, E-commerce store. Website must include home page, and at least 3 subpages.	PC with browser , Java 8,Tomcat 8,Jqeury, and Node Js libraries
9	Develop a mini project using any front end tool with database connectivity.	PC with browser , Java 8,Tomcat 8,Jqeury, and Node Js libraries
10	To study big data management through web scripting using appropriate scripting language.	PC with browser , Java 8,Tomcat 8,Jqeury, and Node Js libraries

Name of Laboratory: Software I &II (Lab 606) (Sem-I)

Subject-1: Object Oriented Programming Lab Class:-SEIT

Sr. No.	Title of Assignment	Equipment required (Hardware & Software)
1	Design a class 'Complex 'with data members for real and imaginary part. Provide default andParameterized constructors. Write a program to perform arithmetic operations of two complex numbers.	PC with Java IDE
2	Identify commonalities and differences between Publication, Book and Magazine classes. Title, Price, Copies are common instance variables and saleCopy is common method. The differences are, Bookclass has author and order Copies(). Magazine Class has orderQty, Currentissue, receiveissue().Write a program to find how many copies of the given books are ordered and display total sale of publication	PC with Java IDE

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AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

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3	Design and develop inheritance for a given case study, identify objects and relationships and implement inheritance wherever applicable. Employee class with Emp_name, Emp_id, Address, Mail_id, and Mobile_no as members. Inherit the classes, Programmer, Assistant Professor, Associate Professor and Professor from employee class. Add Basic Pay (BP) as the member of all the inherited classes with 97% of BP as DA, 10 % of BP as HRA, 12% of BP as PF, 0.1% of BP for staff club fund. Generate pay slips for the employees with their gross and net salary	PC with Java IDE
4	Design a base class shape with two double type values and member functions to input the data and compute_area() for calculating area of figure. Derive two classes' triangle and rectangle. Make compute_area() as abstract function and redefine this function in the derived class to suit their requirements. Write a program that accepts dimensions of triangle/rectangle and display calculated area. Implement dynamic binding for given case study.	PC with Java IDE
5	Design and develop a context for given case study and implement an interface for Vehicles Consider the example of vehicles like bicycle, car, and bike. All Vehicles have common functionalities such as Gear Change, Speed up and apply breaks .Make an interface and put all these common functionalities. Bicycle, Bike, Car classes should be implemented for all these functionalities in their own class in their own way.	PC with Java IDE
6	Implement a program to handle Arithmetic exception, Array Index Out OfBounds.The user enters two numbers Num1 and Num2. The division of Num1 and Num2 is displayed. If Num1 and Num2 were not integers, the program would throw a Number Format Exception. If Num2 were zero, the program would throw an Arithmetic Exception. Display the exception.	
7	Implement a generic program using any collection class to count the number of elements in a collection that have a specific property such as even numbers, odd number, prime number and palindromes.	PC with Java IDE
8	Implement a program for maintaining a student records database using File Handling.Student has Student_id,name,Roll_no, Class, marks and address. Display the data for five students. i) Create Database ii)Display Database iii) Clear Records iv)Modify record v)Search Record	PC with Java IDE
9	Using concepts of Object Oriented programming develop solution for any one application 1) Banking solution contains following operations such as 1. Create an account 2. Deposit money 3. Withdraw money 4. Honor daily withdrawal limit 5. Check the balance 6. Display Account information. 2) Inventory management contains following operations such as 1. List of all products 2. Display individual product information 3. Purchase 4. Shipping 5. Balance stock6. Loss and Profit calculation.	PC with Java IDE
10	Design and implement Factory design pattern for the given context. Consider Car building process, which requires many steps from allocating accessories to final makeup. These steps should be written as methods and should be called while creating an instance of a specific car type. Hatchback, Sedan, SUV could be the subclasses of Car class. Car class and its subclasses, CarFactory and TestFactoryPattern should be implemented	PC with Java IDE

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

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11	Implement and apply Strategy Design pattern for simple Shopping Cart where three payment strategies are used such as Credit Card, PayPal, BitCoin. Create the interface for strategy pattern and give concrete implementation for payment	PC with Java IDE
12	Content Beyond Syllabus: Mini Project in Java	PC with Java IDE

Subject-2: COMPUTER LAB-VII (ICS+ML) Class:-BE IT

Sr. No.	Title of Assignment	Equipment required (Hardware & Software)
1	Bridge the gap: Study of R language	PC, Printer, UPS and Linux OS
2	Write a program in C++ or Java to implement RSA algorithm for key generation and cipher verification.	PC, Printer, UPS and Linux OS Eclipse or NetBeans, Java
3	Develop and program in C++ or Java based on number theory such as Chinese remainder.	PC, Printer, UPS and Linux OS Eclipse or NetBeans, Java
4	Write a program in C++ or java to implement SHA1 algorithm using libraries (API)	PC, Printer, UPS and Linux OS Eclipse or NetBeans, Java
5	Configure and demonstrate use of vulnerability assessment tool such as Snort tool for intrusion or SSL Web security.	PC, Printer, UPS and Linux OS, Snort tool
6	Study of platform for Implementation of Assignments Download the open source software of your interest. Document the distinct features and functionality of the software platform. You may choose WEKA and R and Python	PC, Printer, UPS and Linux OS, R and WEKA tool
7	Supervised Learning - Regression (Using R) Generate a proper 2-D data set of N points. Split the data set into Training Data set and Test Data set. i) Perform linear regression analysis with Least Squares Method. ii) Plot the graphs for Training MSE and Test MSE and comment on Curve Fitting and Generalization Error. iii) Verify the Effect of Data Set Size and Bias-Variance Tradeoff. iv) Apply Cross Validation and plot the graphs for errors. v) Apply Subset Selection Method and plot the graphs for errors. vi) Describe your findings in each case	PC, Printer, UPS and Linux OS
8	Create Association Rules for the Market Basket Analysis for the given Threshold. (Using R)	PC, Printer, UPS and Linux OS, R and WEKA tool
9	Implement K-Means algorithm for clustering to create a Cluster on the given data.(Using Python)	PC, Printer, UPS and Linux OS,

Place: Pune
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		Python IDE
10	Implement SVM for performing classification and find its accuracy on the given data. (Using Python)	PC, Printer, UPS and Linux OS, Python IDE
11	Creating & Visualizing Neural Network for the given data. (Using Python)	PC, Printer, UPS and Linux OS, Python IDE
12	On the given data perform the performance measurements using Simple Naïve Bayes algorithm such as Accuracy, Error rate, precision, Recall, TPR,FPR,TNR,FPR etc. (Using Weka API through JAVA)	PC, Printer, UPS and Linux OS, R and WEKA tool
13	Principal Component Analysis-Finding Principal Components, Variance and Standard Deviation calculations of principal components.(Using R)	PC, Printer, UPS and Linux OS, R and WEKA tool
14	Content Beyond Syllabus Implement a small machine learning application	PC, Printer, UPS and Linux OS, Python IDE

Subject-3: Lab Practice-I(Machine Learning) Class:- TE(IT)

Sr. No.	Title of Assignment	Equipment required (Hardware & Software)
1	Bridge the gap : Study of Python Programming Language.	Python IDE
2	Data Preparation: Download heart dataset from following link. https://www.kaggle.com/zhaoyingzhu/heartcsv Perform following operation on given dataset. a) Find Shape of Data b) Find Missing Values c) Find data type of each column d) Finding out Zero's e) Find Mean age of patients f) Now extract only Age, Sex, ChestPain, RestBP, Chol. Randomly divide dataset in training (75%) and testing (25%). Through the diagnosis test I predicted 100 report as COVID positive, but only 45 of those were actually positive. Total 50 people in my sample were actually COVID positive. I have total 500 samples. Create confusion matrix based on above data and find I I. Accuracy II II. Precision III III. Recall IV IV. F-I score	Python IDE Spyder IDE

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Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

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3	Assignment on Regression technique a. Apply Linear Regression using suitable library function and predict the Month-wise Download temperature data from below link. https://www.kaggle.com/venky73/temperatures-of-india?select=temperatures.csv This data consists of temperatures of INDIA averaging the temperatures of all places month wise. Temperatures values are recorded in CELSIUS temperature. b. Assess the performance of regression models using MSE, MAE and R-Square metrics c. Visualize simple regression model	Python IDE Spyder IDE
4	Assignment on Classification technique Every year many students give the GRE exam to get admission in foreign Universities. The data set contains GRE Scores (out of 340), TOEFL Scores (out of 120), University Rating (out of 5), Statement of Purpose strength (out of 5), Letter of Recommendation strength (out of 5), Undergraduate GPA (out of 10), Research Experience (0=no, 1=yes), Admitted (0=no, 1=yes). Admitted is the target variable. Data Set Available on kaggle (The last column of the dataset needs to be changed to 0 or 1)Data Set : https://www.kaggle.com/mohansacharya/graduate-admissions The counselor of the firm is supposed check whether the student will get an admission or not based on his/her GRE score and Academic Score. So to help the counselor to take appropriate decisions build a machine learning model classifier using Decision tree to predict whether a student will get admission or not. Apply Data pre-processing (Label Encoding, Data Transformation….) techniques if necessary. Perform data-preparation (Train-Test Split) C. Apply Machine Learning Algorithm D. Evaluate Model.	Python IDE Spyder IDE
5	Assignment on Improving Performance of Classifier Models a. Apply Data pre-processing (Label Encoding, Data Transformation….) techniques if necessary b. Perform data-preparation (Train-Test Split) c. Apply at least two Machine Learning Algorithms and Evaluate Models d. Apply Cross-Validation and Evaluate Models and compare performance. e. Apply Hyper parameter tuning and evaluate models and compare performance. A SMS unsolicited mail (every now and then known as cell smartphone junk mail) is any junk message brought to a cellular phone as textual content messaging via the Short Message Service (SMS). Use probabilistic approach (Naive Bayes Classifier / Bayesian Network) to implement SMS Spam Filtering system. SMS messages are categorized as SPAM or HAM using features like length of message, word depend, unique keywords etc. Download Data -Set from : http://archive.ics.uci.edu/ml/datasets/sms+spam+collection This dataset is composed by just one text file, where each line has the correct class followed by the raw message	Python IDE Spyder IDE
6	Assignment on Clustering Techniques Download the following customer dataset from below link: Data Set: https://www.kaggle.com/shwetabh123/mall-customers This dataset gives the data of Income and money spent by the customers visiting a Shopping Mall. The data set contains Customer ID, Gender, Age, Annual	Python IDE Spyder IDE

Place: Pune
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AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

	Income, Spending Score. Therefore, as a mall owner you need to find the group of people who are the profitable customers for the mall owner. Apply at least two clustering algorithms (based on Spending Score) to find the group of customers. a. Apply Data pre-processing (Label Encoding , Data Transformation….) techniques if necessary. b. Perform data-preparation(Train-Test Split) c. Apply Machine Learning Algorithm d. Evaluate Model. e. Apply Cross-Validation and Evaluate Model.	
7	Assignment on Association Rule Learning Download Market Basket Optimization dataset from below link. Data Set: https://www.kaggle.com/hemanthkumar05/market-basket-optimization This dataset comprises the list of transactions of a retail company over the period of one week. It contains a total of 7501 transaction records where each record consists of the list of items sold in one transaction. Using this record of transactions and items in each transaction, find the association rules between items. There is no header in the dataset and the first row contains the first transaction, so mentioned header = None here while loading dataset. a. Follow following steps : b. Data Preprocessing c. Generate the list of transactions from the dataset d. Train Apriori algorithm on the dataset e. Visualize the list of rules F. Generated rules depend on the values of hyper parameters. By increasing the minimum confidence value and find the rules accordingly.	Python IDE Spyder IDE
8	Assignment on Multilayer Neural Network Model a. Load the dataset in the program. Define the ANN Model with Keras. Define at least two hidden layers. Specify the ReLU function as activation function for the hidden layer and Sigmoid for the output layer. b. Compile the model with necessary parameters. Set the number of epochs and batch size and fit the model. c. Evaluate the performance of the model for different values of epochs and batch sizes. d. Evaluate model performance using different activation functions Visualize the model using ANN Visualizer. Download the dataset of National Institute of Diabetes and Digestive and Kidney Diseases from below link : Data Set: https://raw.githubusercontent.com/jbrownlee/Datasets/master/pima-indians- diabetes.data.csv The dataset is has total 9 attributes where the last attribute is "Class attribute" having values 0 and 1. (1="Positive for Diabetes", 0="Negative")	Python IDE Spyder IDE
9	Beyond the Syllabus	Framework

Subject-4: Lab Practice-I (ADBMS) Class:- TE

Sr. No.	Title of Assignment	Equipment required (Hardware & Software)

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

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3	Assignment on Regression technique a. Apply Linear Regression using suitable library function and predict the Month-wise Download temperature data from below link. https://www.kaggle.com/venky73/temperatures-of-india?select=temperatures.csv This data consists of temperatures of INDIA averaging the temperatures of all places month wise. Temperatures values are recorded in CELSIUS temperature. b. Assess the performance of regression models using MSE, MAE and R-Square metrics c. Visualize simple regression model	Python IDE Spyder IDE
4	Assignment on Classification technique Every year many students give the GRE exam to get admission in foreign Universities. The data set contains GRE Scores (out of 340), TOEFL Scores (out of 120), University Rating (out of 5), Statement of Purpose strength (out of 5), Letter of Recommendation strength (out of 5), Undergraduate GPA (out of 10), Research Experience (0=no, 1=yes), Admitted (0=no, 1=yes). Admitted is the target variable. Data Set Available on kaggle (The last column of the dataset needs to be changed to 0 or 1)Data Set : https://www.kaggle.com/mohansacharya/graduate-admissions The counselor of the firm is supposed check whether the student will get an admission or not based on his/her GRE score and Academic Score. So to help the counselor to take appropriate decisions build a machine learning model classifier using Decision tree to predict whether a student will get admission or not. Apply Data pre-processing (Label Encoding, Data Transformation….) techniques if necessary. Perform data-preparation (Train-Test Split) C. Apply Machine Learning Algorithm D. Evaluate Model.	Python IDE Spyder IDE
5	Assignment on Improving Performance of Classifier Models a. Apply Data pre-processing (Label Encoding, Data Transformation….) techniques if necessary b. Perform data-preparation (Train-Test Split) c. Apply at least two Machine Learning Algorithms and Evaluate Models d. Apply Cross-Validation and Evaluate Models and compare performance. e. Apply Hyper parameter tuning and evaluate models and compare performance. A SMS unsolicited mail (every now and then known as cell smartphone junk mail) is any junk message brought to a cellular phone as textual content messaging via the Short Message Service (SMS). Use probabilistic approach (Naive Bayes Classifier / Bayesian Network) to implement SMS Spam Filtering system. SMS messages are categorized as SPAM or HAM using features like length of message, word depend, unique keywords etc. Download Data -Set from : http://archive.ics.uci.edu/ml/datasets/sms+spam+collection This dataset is composed by just one text file, where each line has the correct class followed by the raw message	Python IDE Spyder IDE
6	Assignment on Clustering Techniques Download the following customer dataset from below link: Data Set: https://www.kaggle.com/shwetabh123/mall-customers This dataset gives the data of Income and money spent by the customers visiting a Shopping Mall. The data set contains Customer ID, Gender, Age, Annual	Python IDE Spyder IDE

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	Income, Spending Score. Therefore, as a mall owner you need to find the group of people who are the profitable customers for the mall owner. Apply at least two clustering algorithms (based on Spending Score) to find the group of customers. a. Apply Data pre-processing (Label Encoding , Data Transformation….) techniques if necessary. b. Perform data-preparation(Train-Test Split) c. Apply Machine Learning Algorithm d. Evaluate Model. e. Apply Cross-Validation and Evaluate Model.	
7	Assignment on Association Rule Learning Download Market Basket Optimization dataset from below link. Data Set: https://www.kaggle.com/hemanthkumar05/market-basket-optimization This dataset comprises the list of transactions of a retail company over the period of one week. It contains a total of 7501 transaction records where each record consists of the list of items sold in one transaction. Using this record of transactions and items in each transaction, find the association rules between items. There is no header in the dataset and the first row contains the first transaction, so mentioned header = None here while loading dataset. a. Follow following steps : b. Data Preprocessing c. Generate the list of transactions from the dataset d. Train Apriori algorithm on the dataset e. Visualize the list of rules F. Generated rules depend on the values of hyper parameters. By increasing the minimum confidence value and find the rules accordingly.	Python IDE Spyder IDE
8	Assignment on Multilayer Neural Network Model a. Load the dataset in the program. Define the ANN Model with Keras. Define at least two hidden layers. Specify the ReLU function as activation function for the hidden layer and Sigmoid for the output layer. b. Compile the model with necessary parameters. Set the number of epochs and batch size and fit the model. c. Evaluate the performance of the model for different values of epochs and batch sizes. d. Evaluate model performance using different activation functions Visualize the model using ANN Visualizer. Download the dataset of National Institute of Diabetes and Digestive and Kidney Diseases from below link : Data Set: https://raw.githubusercontent.com/jbrownlee/Datasets/master/pima-indians- diabetes.data.csv The dataset is has total 9 attributes where the last attribute is "Class attribute" having values 0 and 1. (1="Positive for Diabetes", 0="Negative")	Python IDE Spyder IDE
9	Beyond the Syllabus	Framework

Subject-4: Lab Practice-I (ADBMS) Class:- TE

Sr. No.	Title of Assignment	Equipment required (Hardware & Software)

Place: Pune
Date: 20 April 2022

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1	Bridge the gap: Study of Open Source Databases: MySQL/mongodb/Hbase.	PC with C
2	Install and configure client and server for MongoDB (Show all commands and necessary steps for installation and configuration)	PC with Ubuntu OS and MongoDB
3	Create a suitable collection in MongoDB and perform 10 queries to demonstrate various operations on documents.	PC with Ubuntu OS and MongoDB
4	Implement Map-reduce and aggregation, indexing with suitable example in MongoDB. Demonstrate the following: · Aggregation framework · Create and drop different types of indexes and explain () to show the advantage of the indexes.	PC with Ubuntu OS and MongoDB
5	Design conceptual model using Star and Snowflake schema for any one database.	PC with MS-Office
6	Design mini project using suitable front end with connectivity to MongoDB as backend to demonstrate CRUD operation.	PC with Ubuntu OS and MongoDB

Subject-5: Computer Lab- VIII Class: BE

Sr. No.	Title of Assignment	Equipment required (Hardware & Software)
1	Write Problem Statement for System / Project Identify Project of enough complexity, which has at least 4-5 major functionalities. Identify stakeholders, actors and write detail problem statement for your system.	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,2GB DDR Softwares: Ubuntu OS, Visual Paradigm
2	Prepare Use Case Model Identify Major Use Cases, Identify actors. Write Use Case specification for all major Use Cases. Draw detail Use Case Diagram using UML2.0 notations.	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,2GB DDR Softwares: Ubuntu OS, Visual Paradigm
3	Prepare Activity Model Identify Activity states and Action states. Draw Activity diagram with Swim lanes using UML2.0 Notations for major Use Cases	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,2GB DDR Softwares: Ubuntu OS, Visual Paradigm

Place: Pune
Date: 20 April 2022

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4	Prepare Analysis Model-Class Model Identify Analysis Classes and assign responsibilities. Prepare Data Dictionary. Draw Analysis class Model using UML2.0 Notations. Implement Analysis class Model-class diagram with a suitable object oriented language	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,2GB DDR Softwares: Ubuntu OS, Visual Paradigm
5	Prepare a Design Model from Analysis Model Study in detail working of system/Project. Identify Design classes/ Evolve Analysis Model. Use advanced relationships. Draw Design class Model using OCL and UML2.0 Notations. Implement the design model with a suitable object-oriented language.	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,2GB DDR Softwares: Ubuntu OS, Visual Paradigm
6	Prepare Sequence Model. Identify at least 5 major scenarios (sequence flow) for your system. Draw Sequence Diagram for every scenario by using advanced notations using UML2.0 Implement these scenarios by taking reference of design model implementation using suitable object-oriented language.	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,2GB DDR Softwares: Ubuntu OS, Visual Paradigm
7	Prepare a State Model Identify States and events for your system. Study state transitions and identify Guard conditions. Draw State chart diagram with advanced UML 2 notations. Implement the state model with a suitable object-oriented language	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,2GB DDR Softwares: Ubuntu OS, Visual Paradigm
8	Identification and Implementation of GRASP pattern Apply any two GRASP pattern to refine the Design Model for a given problem description Using effective UML 2 diagrams and implement them with a suitable object oriented language	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,2GB DDR Softwares: Ubuntu OS, Visual Paradigm
9	Identification and Implementation of GOF pattern Apply any two GOF pattern to refine Design Model for a given problem description Using effective UML 2 diagrams and implement them with a suitable object oriented language	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,2GB DDR Softwares: Ubuntu OS, Visual Paradigm

Name of Laboratory: Software I &II (Lab 606) (Sem-II)

Subject-1: Laboratory Practices-2 Class: TE IT

Sr. No.	Title of Assignment	Equipment required (Hardware & Software)
1	a. Create a responsive web page which shows the ecommerce/college/exam admin dashboard with sidebar and statistics in cards using HTML, CSS and Bootstrap. b. Write a JavaScript Program to get the user registration data and push to array/local storage with AJAX POST method and data list in new page.	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,8GB DDR PC, Printer, UPS Software: Web Browser HTML, CSS and Bootstrap JavaScript

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INSTITUTE OF INFORMATION TECHNOLOGY * AISSMS'S * PUNE * UoP Id. No. PU/PN/Engg 124/1998

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		Windows10 Ram 8GB Visual studio code nodejs
2	a. Create version control account on GitHub and using Git commands to create repository and push your code to GitHub. b. Create Docker Container Environment (NVIDEIA Docker or any other). c. Create an Angular application which will do following actions: Register User, Login User, Show User Data on Profile Component	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,8GB DDR PC, Printer, UPS Software: Windows10 Github Angular CLI Node.js and NPM
3	a. Create a Node.JS Application which serves a static website. b. Create four API using Node.JS, ExpressJS and MongoDB for CURD Operations on assignment 2.C.	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,8GB DDR PC, Printer, UPS Software: Node.js (site – Node.js), Express.js(installed through cmd) Package.json
4	a. Create a simple Mobile Website using jQuery Mobile. b. Deploy/Host Your web application on AWS VPC or AWS Elastic Beanstalk. Mini Project Develop a web application using full stack development technologies in any of the following domains: 1. Social Media 2. ecommerce 3. Restaurant 4. Medical 5. Finance 6. Education 7. Any other	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,8GB DDR PC, Printer, UPS Software jQuery Mobile https://aws.amazon.com

Subject-2: Computer Laboratory-IX Class:BE(IT)

Sr. No.	Title of Assignment	Equipment required (Hardware & Software)
1	Bridge the gap: To develop application through implementing client-server communication programs based on Java Sockets	PC, Printer, UPS and Linux OS Eclipse or Neatbeans,Java
2	Develop any distributed application through implementing client-server communication programs based on Java Sockets and RMI techniques.	PC, Printer, UPS and Linux OS

Place: Pune
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AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg/124/1998

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		Eclipse or Neatbeans,Java
3	Develop any distributed application using Message Passing Interface (MPI).	PC, Printer, UPS and Linux OS Eclipse or Neatbeans, Java
4	Develop any distributed application with CORBA program using JAVA IDL	PC, Printer, UPS and Linux OS Eclipse or Neatbeans,Java
5	Develop any distributed algorithm for leader election.	PC, Printer, UPS and Linux OS Eclipse or Neatbeans, Java
6	Create a simple web service and write any distributed application to consume the web service.	PC, Printer, UPS and Linux OS Eclipse or Neatbeans, Java
7	Develop any distributed application using Messaging System in Publish-Subscribe paradigm	PC, Printer, UPS and Linux OS Eclipse or Neatbeans, Java
8	Develop Micro services framework based distributed application.	PC, Printer, UPS and Linux OS Eclipse or Neatbeans, Java
9	Beyond Syllabus.: Implement a small Distributed application to share file using GUI	PC, Printer, UPS and Linux OS Eclipse or Neatbeans, Java

Subject-3: DS & BDA Lab Class: TE

Sr. No.	Title of Assignment	Equipment required (Hardware & Software)
1	Hadoop Installation on a)Single Node b)Multiple Node	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,8GB DDR Softwares: Ubuntu, Hadoop
2	Design a distributed application using MapReduce which processes a log file of a system. List out the users who have logged for maximum period on the system. Use simple log file from the Internet and process it using a pseudo distribution mode on Hadoop platform.	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,8GB DDR Softwares: Ubuntu, Hadoop
3	Write an application using HBase and HiveQL for flight information system which will include	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93

Place: Pune
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	1) Creating, Dropping, and altering Database tables 2) Creating an external Hive table 3) Load table with data, insert new values and field in the table, Join tables with Hive 4) Create index on Flight information Table 5) Find the average departure delay per day in 2008.	GHz ,8GB DDR Softwares: Ubuntu, Hadoop, HBase,Hive
4	Perform the following operations using Python on the Facebook metrics data sets a. Create data subsets b. Merge Data c. Sort Data d. Transposing Data e. Shape and reshape Data	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,8GB DDR Softwares: Python
5	Perform the following operations using Python on the Air quality and Heart Diseases data sets a. Data cleaning b. Data integration c. Data transformation d. Error correcting e. Data model building	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,8GB DDR Softwares: Python
6	Integrate Python and Hadoop and perform the following operations on forest fire dataset a. Data analysis using the Map Reduce in PyHadoop b. Data mining in Hive	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,8GB DDR Softwares: Python
7	Visualize the data using Python libraries matplotlib, seaborn by plotting the graphs for assignment no. 2 and 3 (Group B)	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,8GB DDR Softwares: Python
8	Perform the following data visualization operations using Tableau on Adult and Iris datasets 1) 1D (Linear) Data visualization 2) 2D (Planar) Data Visualization 3) 3D (Volumetric) Data Visualization 4) Temporal Data Visualization 5)Multidimensional Data Visualization 6)Tree/ Hierarchical Data visualization 7) Network Data visualization	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,8GB DDR Softwares: Tableau
9	Create a review scrapper for any ecommerce website to fetch real time comments, reviews, ratings, comment tags, customer name using Python.	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,8GB DDR Softwares: Python IDE, Pycharm
10	Create a review scrapper for any ecommerce website to fetch real time comments, reviews, ratings, comment tags, customer name using Python.	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,8GB DDR Softwares: Python

AISSMS'S INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

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Subject-4: Computer Lab-X Class: BE

Sr. No.	Title of Assignment	Equipment required (Hardware & Software)
1	Android development environment. Installing and setting up the environment. Hello world application. Running the emulator. Inserting debug messages.	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,8GB DDR Softwares: Android Studio, Java 9 onwards
2	Android UI Design: Design a User Interface using pre-built UI components such as structured layout objects, UI controls and special interfaces such as dialogs, notifications, and menus. Also make this UI attractive using Android graphics platform OpenGL.	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,8GB DDR Softwares: Android Studio, Java 9 onwards
3	Android-database Connectivity: Create a SQLite Database for an Android Application and perform CRUD (Create, Read, Update and Delete) database operations.	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,8GB DDR Softwares: Android Studio, Java 9 onwards
4	Sensors for building Smart Applications: Use any sensors on the device to add rich location and motion capabilities to your app, from GPS or network location to accelerometer, gyroscope, temperature, barometer, and more.	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,8GB DDR Softwares: Android Studio, Java 9 onwards
5	Develop a Smart Light System (Light that automatically switched on in evening and gets off in morning) using open source Hardware platform like Arduino and some sensors (Light dependent resistor) and actuator (An LED).	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,8GB DDR Softwares: Android Studio, Java 9 onwards
6	Design and Develop a GUI for FAN regulator that uses Android platform.	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,8GB DDR Softwares: Android Studio, Java 9 onwards
7	Develop an Android based FAN regulator using open source Hardware platform like NodeMcu and actuator (a SERVO Motor).	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,8GB DDR Softwares: Android Studio, Java 9 onwards
8	Android and Machine Learning: Mobile multimodal sensing- Draw inferences over the data coming from phone's sensing hardware (e.g. accelerometer, GPS,	Hardware: LENOVO Make Intel E7500 Core 2

Place: Pune
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AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

	microphone), and processing these samples with the help of machine learning. (Any Application: Healthcare, Smart City, Agriculture, etc).	Duo 2.93 GHz ,8GB DDR Softwares: Android Studio, Java 9 onwards
9	Android API: Implement an application that uses Android APIs like Google Map, recording and playing audio and video, using the built-in camera as an input device.	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,8GB DDR Softwares: Android Studio, Java 9 onwards
10	Wireless Network: Develop an app for a rolling display program of news on computer display. The input strings are supplied by the mobile phone/ by another computer connected through wireless networks.	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,8GB DDR Softwares: Android Studio, Java 9 onwards
11	Android Security: Authentication of two mobile devices.	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,8GB DDR Softwares: Android Studio, Java 9 onwards
12	Case Study: Evolution of cellular networks all the way up to 7G.	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,8GB DDR Softwares: Android Studio, Java 9 onwards

Subject 5 :Database Management system Lab Class:- SE

r. No.	itle of Assignment	quipment equired Hardware & oftware)
	ridge the gap: Study of Data structures and files, Discrete Structure, Software ngineering principles and practices.	C with C
	tudy of MySQL Open source software. Discuss the characteristics like efficiency, calability, performance and transactional properties	C with Ubuntu S and MySQL
	nstall and configure client and server of MySQL.(Show all commands and necessary teps for installation and configuration)	C with Ubuntu S and MySQL
	tudy of SQLite: What is SQLite? Uses of Sqlite. Building and installing SQLite.	C with MS-ffice
	esign any database with at least 3 entities and relationships between them. Draw uitable ER/EER diagram for the system.	C with MS-ffice
	esign and implement a database (for assignment no 5) using DDL statements and apply ormalization on them	C with Ubuntu S and MySQL

Place: Pune
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	Create Table with primary key and foreign key constraints. . Alter table with add and modify b. Drop table	PC with Ubuntu OS and MySQL
	Perform following SQL queries on the database created in assignment 6.	PC with Ubuntu OS and MySQL
	Execute DDL/DML statements which demonstrate the use of views. Update the base table using its corresponding view. Also consider restrictions on updatable views and perform view creation from multiple tables.	PC with Ubuntu OS and MySQL
0	Write and execute PL/SQL stored procedure and function to perform a suitable task on the database. Demonstrate its use.	PC with Ubuntu OS and MySQL
1	Write and execute suitable database triggers .Consider row level and statement level triggers.	PC with Ubuntu OS and MySQL
2	Write a PL/SQL block to implement all types of cursor.	PC with Ubuntu OS and MySQL
3	Design and case study of any organization (back end only), Project Proposal and High Level SRS To prepare for project.	PC with MS-Office
4	Draw ER diagram for enterprise database and perform database design.	PC with MS-Office
5	Content Beyond Syllabus: To study Scientific Data Management.	PC with MS-Office

Name of Laboratory: Network Laboratory I &II (Lab607) (Sem-I)
Subject-1: COMPUTER IAB-VII Class:-BE IT

Sr. No.	Title of Assignment	Equipment required (Hardware & Software)
1	Write Problem Statement for System / Project Identify Project of enough complexity, which has at least 4-5 major functionalities. Identify stakeholders, actors and write detail problem statement for your system.	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,2GB DDR Softwares: Ubuntu OS, Visual Paradigm
2	Prepare Use Case Model Identify Major Use Cases, Identify actors. Write Use Case specification for all major Use Cases. Draw detail Use Case Diagram using UML2.0 notations.	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,2GB DDR Softwares: Ubuntu OS, Visual Paradigm
3	Prepare Activity Model Identify Activity states and Action states. Draw Activity diagram with Swim lanes using UML2.0 Notations for major Use Cases	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,2GB DDR Softwares: Ubuntu OS, Visual Paradigm
4	Prepare Analysis Model-Class Model Identify Analysis Classes and assign responsibilities. Prepare Data Dictionary. Draw Analysis class Model using UML2.0 Notations. Implement Analysis class Model-class diagram with a suitable object oriented language	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,2GB DDR Softwares: Ubuntu OS, Visual Paradigm
5	Prepare a Design Model from Analysis Model Study in detail working of system/Project.	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93

Place: Pune
Date: 20 April 2022

INSTITUTE OF INFORMATION TECHNOLOGY AISSMS PUNE UoP Id. No. PU/PN/Engg 124/1998

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	Identify Design classes/ Evolve Analysis Model. Use advanced relationships. Draw Design class Model using OCL and UML2.0 Notations. Implement the design model with a suitable object-oriented language.	GHz ,2GB DDR Softwares: Ubuntu OS, Visual Paradigm
6	Prepare Sequence Model. Identify at least 5 major scenarios (sequence flow) for your system. Draw Sequence Diagram for every scenario by using advanced notations using UML2.0 Implement these scenarios by taking reference of design model implementation using suitable object-oriented language.	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,2GB DDR Softwares: Ubuntu OS, Visual Paradigm
7	Prepare a State Model Identify States and events for your system. Study state transitions and identify Guard conditions. Draw State chart diagram with advanced UML 2 notations. Implement the state model with a suitable object-oriented language	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,2GB DDR Softwares: Ubuntu OS, Visual Paradigm
8	Identification and Implementation of GRASP pattern Apply any two GRASP pattern to refine the Design Model for a given problem description Using effective UML 2 diagrams and implement them with a suitable object oriented language	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,2GB DDR Softwares: Ubuntu OS, Visual Paradigm
9	Identification and Implementation of GOF pattern Apply any two GOF pattern to refine Design Model for a given problem description Using effective UML 2 diagrams and implement them with a suitable object oriented language	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,2GB DDR Softwares: Ubuntu OS, Visual Paradigm

Subject-2: Lab Practices-I (Machine Learning) Class:-TE IT

Sr. No.	Title of Assignment	Equipment required (Hardware & Software)
1	Bridge the gap : Study of Python Programming Language.	ython IDE
2	Data Preparation: Download heart dataset from following link. https://www.kaggle.com/zhaoyingzhu/heartcsv Perform following operation on given dataset. a) Find Shape of Data b) Find Missing Values c) Find data type of each column d) Finding out Zero's e) Find Mean age of patients f) Now extract only Age, Sex, ChestPain, RestBP, Chol. Randomly divide dataset in training (75%) and testing (25%). Through the diagnosis test I predicted 100 report as COVID positive, but only 45 of those were actually positive. Total 50 people in my sample were actually COVID positive. I have total 500 samples. Create confusion matrix based on above data and find I I. Accuracy II II. Precision	ython IDE pyder IDE

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	III III. Recall IV IV. F-1 score	
3	Assignment on Regression technique a. Apply Linear Regression using suitable library function and predict the Month-wise Download temperature data from below link. https://www.kaggle.com/venky73/temperatures-of-india?select=temperatures.csv This data consists of temperatures of INDIA averaging the temperatures of all places month wise. Temperatures values are recorded in CELSIUS temperature. b. Assess the performance of regression models using MSE, MAE and R-Square metrics c. Visualize simple regression model	ython IDE pyder IDE
4	Assignment on Classification technique Every year many students give the GRE exam to get admission in foreign Universities. The data set contains GRE Scores (out of 340), TOEFL Scores (out of 120), University Rating (out of 5), Statement of Purpose strength (out of 5), Letter of Recommendation strength (out of 5), Undergraduate GPA (out of 10), Research Experience (0=no, 1=yes), Admitted (0=no, 1=yes). Admitted is the target variable. Data Set Available on kaggle (The last column of the dataset needs to be changed to 0 or 1)Data Set : https://www.kaggle.com/mohansacharya/graduate-admissions The counselor of the firm is supposed check whether the student will get an admission or not based on his/her GRE score and Academic Score. So to help the counselor to take appropriate decisions build a machine learning model classifier using Decision tree to predict whether a student will get admission or not. Apply Data pre-processing (Label Encoding, Data Transformation….) techniques if necessary. Perform data-preparation (Train-Test Split) C. Apply Machine Learning Algorithm D. Evaluate Model.	ython IDE pyder IDE
5	Assignment on Improving Performance of Classifier Models a. Apply Data pre-processing (Label Encoding, Data Transformation….) techniques if necessary b. Perform data-preparation (Train-Test Split) c. Apply at least two Machine Learning Algorithms and Evaluate Models d. Apply Cross-Validation and Evaluate Models and compare performance. e. Apply Hyper parameter tuning and evaluate models and compare performance. A SMS unsolicited mail (every now and then known as cell smartphone junk mail) is any junk message brought to a cellular phone as textual content messaging via the Short Message Service (SMS). Use probabilistic approach (Naive Bayes Classifier / Bayesian Network) to implement SMS Spam Filtering system. SMS messages are categorized as SPAM or HAM using features like length of message, word depend, unique keywords etc. Download Data -Set from : http://archive.ics.uci.edu/ml/datasets/sms+spam+collection	ython IDE pyder IDE

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	This dataset is composed by just one text file, where each line has the correct class followed by the raw message	
6	Assignment on Clustering Techniques Download the following customer dataset from below link: Data Set: https://www.kaggle.com/shwetabh123/mall-customers This dataset gives the data of Income and money spent by the customers visiting a Shopping Mall. The data set contains Customer ID, Gender, Age, Annual Income, Spending Score. Therefore, as a mall owner you need to find the group of people who are the profitable customers for the mall owner. Apply at least two clustering algorithms (based on Spending Score) to find the group of customers. a. Apply Data pre-processing (Label Encoding , Data Transformation….) techniques if necessary. b. Perform data-preparation(Train-Test Split) c. Apply Machine Learning Algorithm d. Evaluate Model. e. Apply Cross-Validation and Evaluate Model.	ython IDE pyder IDE
7	Assignment on Association Rule Learning Download Market Basket Optimization dataset from below link. Data Set: https://www.kaggle.com/hemanthkumar05/market-basket-optimization This dataset comprises the list of transactions of a retail company over the period of one week. It contains a total of 7501 transaction records where each record consists of the list of items sold in one transaction. Using this record of transactions and items in each transaction, find the association rules between items. There is no header in the dataset and the first row contains the first transaction, so mentioned header = None here while loading dataset. a. Follow following steps : b. Data Preprocessing c. Generate the list of transactions from the dataset d. Train Apriori algorithm on the dataset e. Visualize the list of rules F. Generated rules depend on the values of hyper parameters. By increasing the minimum confidence value and find the rules accordingly.	ython IDE pyder IDE
8	Assignment on Multilayer Neural Network Model a. Load the dataset in the program. Define the ANN Model with Keras. Define at least two hidden layers. Specify the ReLU function as activation function for the hidden layer and Sigmoid for the output layer. b. Compile the model with necessary parameters. Set the number of epochs and batch size and fit the model. c. Evaluate the performance of the model for different values of epochs and batch sizes. d. Evaluate model performance using different activation functions Visualize the model using ANN Visualizer. Download the dataset of National Institute of Diabetes and Digestive and Kidney Diseases from below link : Data Set: https://raw.githubusercontent.com/jbrownlee/Datasets/master/pima-indians- diabetes.data.csv The dataset is has total 9 attributes where the last attribute is "Class	ython IDE pyder IDE

Place: Pune
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	attribute" having values 0 and 1. (1="Positive for Diabetes", 0="Negative")	

Name of Laboratory: Network Lab I & II (Lab 607) (Sem-II)
Subject-1: Computer Network and Security Lab Class:TE

Sr. No.	Title of Assignment	Equipment required (Hardware & Software)
1	Using a Network Simulator(e.g. packet tracer) Configure Router for a) Configure a router using router commands and Configure Routing Information Protocol (RIP). b) Configure Access Control lists – Standard & Extended. c) Network Address Translation: Static, Dynamic & PAT (Port Address Translation)	Desktop/ laptop Cisco Packet Tracer
2	Using a Network Simulator (e.g. packet tracer) Configure Routing Protocols a) Configure EIGRP – Explore Neighbor-ship Requirements and Conditions, its K Values Metrics Assignment and Calculation. b) OSPF – Explore Neighbor-ship Condition and Requirement, Neighbor-ship states, OSPF Metric Cost Calculation. c) WLAN with static IP addressing and DHCP with MAC security and filters.	Desktop/ laptop Cisco Packet Tracer
3	Socket Programming in C/C++ on Linux. a) TCP Client, TCP Server b) UDP Client, UDP Server	Desktop/ laptop C++-Dev CPP
4	Introduction to server administration (server administration commands and their applications) and configuration of below Server: (Study/Demonstration Only) a) FTP b) Web Server	Desktop/ laptop IIS Server ,Apache Server
5	Implement a client and a server on different computers using python. Perform the communication between these two entities by using RSA cryptosystem.	Desktop/ laptop system Python
6	Implement a client and a server on different computers using python. Perform the authentication of sender between these two entities by using RSA digital signature cryptosystem.	Desktop/ laptop system Python
7	Implement a client and a server on different computers using python. Perform the encryption of message of sender between these two entities by using DES Algorithm and use Diffie Hellman method for exchange of keys.	Desktop/ laptop system Python
8	Use the snort intrusion detection package to analyze traffic and create a signature to identify problem traffic.	Desktop/ laptop system Python
9	Beyond the syllabus	Framework

Subject-2:Computer Graphics Class:SE

Sr. No.	Title of Assignment	Equipment required (Hardware &

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AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

		Software)
1	Install and explore the OpenGL	PC and OpenGL
2	Implement DDA and Bresenham line drawing algorithm to draw: i) Simple Line ii) Dotted Line iii) Dashed Line iv) Solid line ;using mouse interface Divide the screen in four quadrants with center as (0, 0). The line should work for all the slopes positive as well as negative.	PC and OpenGL
3	Implement Bresenham circle drawing algorithm to draw any object. The object should be displayed in all the quadrants with respect to center and radius	PC and OpenGL
4	Implement the following polygon filling methods :i) Flood fill / Seed fill ii) Boundary fill ; using mouse click, keyboard interface and menu driven programming	PC and OpenGL
5	Implement Cohen Sutherland polygon clipping method to clip the polygon with respect the viewport and window. Use mouse click, keyboard interface	PC and OpenGL.
6	Implement following 2D transformations on the object with respect to axis : –i) Scaling ii) Rotation about arbitrary point iii) Reflection	PC and OpenGL
7	Generate fractal patterns using i) Bezier ii) Koch Curve	PC and OpenGL
8	Implement animation principles for any object	PC and OpenGL.

Subject-3: Project Based Learning Class:SEIT

Sr. No.	Title of Assignment	Equipment required (Hardware & Software)
1	Making team and submission of Project statement	-
2	Initial Presentation about Problem/Project statement	PC with MS Office
3	Implementation of Project as per plan and methodology	PC with Python, Java IDE
4	Documentation	PC with MS Office
5	Demonstration and Presentation	PC with MS Office

Name of Laboratory: Project Laboratory (Lab 608) (Sem-I & II)

Subject-1: Programming and Problem Solving Class:- FE

Sr. No	Title of Assignment	Equipment required (Hardware & Software)
1	Bridge the gap	Computer Printer UPS

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

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2	To calculate salary of an employee given his basic pay (take as input from user). Calcula salary of employee. Let HRA be 10 % of basic pay and TA be 5% of basic pay. L employee pay professional tax as 2% of total salary. Calculate salary payable af deductions.	Anaconda 3.7/Ubuntu
3	To accept N numbers from user. Compute and display maximum in list, minimum in li sum and average of numbers.	Anaconda 3.7/Ubuntu
4	To accept student's five courses marks and compute his/her result. Student is passing he/she scores marks equal to and above 40 in each course. If student scores aggrega greater than 75%, then the grade is distinction. If aggregate is 60>= and <75 then the gra if first division. If aggregate is 50>= and <60, then the grade is second division. If aggrega is 40>= and <50, then the grade is third division	Anaconda 3.7/Ubuntu
5	To check whether input number is Armstrong number or not. An Armstrong number is integer with three digits such that the sum of the cubes of its digits is equal to the numb itself.	Anaconda 3.7/Ubuntu
6	To accept the number and Compute a) square root of number, b) Square of number, c) Cu of number d) check for prime, d) factorial of number e) prime factors	Anaconda 3.7/Ubuntu
7	To input binary number from user and convert it into decimal number.	Anaconda 3.7/Ubuntu
8	To accept a number from user and print digits of number in a reverse order.	Anaconda 3.7/Ubuntu
9	To accept list of N integers and partition list into two sub lists even and odd numbers.	Anaconda 3.7/Ubuntu
10	Write a python program that accepts a string from user and perform following stri operations- i. Calculate length of string ii. String reversal iii. Equality check of two strin iii. Check palindrome Check substring	Anaconda 3.7/Ubuntu
11	To copy contents of one file to other. While copying a) all full stops are to be replaced wi commas b) lower case are to be replaced with upper case c) upper case are to be replaced with low case.	Anaconda 3.7/Ubuntu

List of Experimental Setup in each Laboratory / Workshop (Instrumentation)

Sr. No.	Name Experimental Setup	Equipment required
Process Instrumentation lab CONTROL SYSTEM COMPONENTS		
1	Implementation of Logic Gates using relays.	Logic Gate
2	Study of various pneumatic and hydraulic components and power supplies.	Electro pneumatic and hydraulic trainer
3	Implementation and testing of Pneumatic circuits.	Electro pneumatic trainer
4	Implementation and testing of Hydraulic	Hydraulic trainer

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

	circuits.	
5	Study of Synchro transmitter and receiver system	Synchro transmitter and receiver unit
6	Study of Pressure/temperature/level/flow Switches (any two).	Switches
7	Study of Motor control Centre based on industrial visit	Industry Visit
8	Study and Calibration of P/I converter.	P/I converter
9	Demonstration & study of auxiliary components: flow totalizer, Alarm annunciator, computing relay and square root extractor (any two)	Alarm annunciator
10	Designing intrinsic safety circuits (Zener barriers)	--
11	V-I characteristics of SCR.	SCR kit
12	Design of SCR triggering circuit using UJT.	SCR kit
	Process Loop Elements	
1	Measurement of level using DPT.	Flow level loop
2	Study and Calibration of I/P converter	I/P converter
3	Study and Calibration of P/I converter.	P/I converter
4	Study & verification of different control actions (P, PI, PD, PID) for step input.	Process control loop
5	Study of on-off control mode for temperature control process	IC 741 breadboard, power supply, Resisters
6	Tuning of PID controller for pressure control loop.	Pressure Control loop
7	Tuning of PID controller for level control loop.	Pressure Control loop
8	Study of Control valve & plot installed characteristics of Control valve.	Control valve trainer kit
	Process Instrumentation	
1	Design of controller for higher- order processes (MATLAB, SCILAB etc.)	MATLAB, Computer
2	Design of controllers for multivariable processes (MATLAB, SCILAB etc.)	MATLAB, Computer
3	Design of controller for nonlinear systems (MATLAB, SCILAB etc.)	MATLAB, Computer
4	Design of controller for chemical reactor /evaporator/dryer MATLAB, SCILAB etc.)	MATLAB, Computer
5	Study of boiler controls	Industrial visit

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1996

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

6	Study of distillation column controls	Industrial visit
7	Study of pumps and compressor controls	Industrial visit
8	Process Control Instrumentation – A case study on waste water treatment plant	Industrial visit
	Industrial Automation- I	
1	Study hardware and software used in PLC	PLC
2	Implementation of logic gates	PLC
3	Develop a ladder programme for DOL starter	PLC
4	Develop an application using on delay timer	PLC
5	Develop an application using off delay timer	PLC
6	Develop an application using up-down counter	PLC
7	Implementation of PLC arithmetic instruction	PLC
8	Study of PID controller instruction for a pilot plant	PLC
9	Study hardware and software platforms for DCS	DCS
10	Developing and implementing any closed controlled loop using SCADA System	PLC
	Process Dynamics Control	
1	Analysis of Feedback flow control loop	Universal Trainer Kit
2	Analysis of Feedback level loop	Universal Trainer Kit
3	Analysis of Feedback temperature control loop	Universal Trainer Kit
4	Analysis of Feedback pressure control loop	Universal Trainer Kit
5	Study of cascade control loop	Universal Trainer Kit
6	Study of ratio control loop	Universal Trainer Kit
7	To find dynamic elements of process (TD, TS)	Universal Trainer Kit
8	Design and implementation of dynamic matrix controller (DMS)	Matlab /Computer
Computer Laboratory Embedded System		
1	Write programmes based on various addressing modes and assembler directives	8051 development board
2	Write programmes based on arithmetic instruction (8x 16 bit addition, substraction, multiplication, division) in assembly and embedded C	8051 development board
3	Write programmes based on logical instruction (and, or, rotate etc)) in assembly and embedded C	8051 development board
4	Write programmes based on branch instruction in assembly and embedded C	8051 development board
5	Write programmes based on looping counting and indexing concept in assembly and embedded C	8051 development board
6	Write programmes to introduce delay (Example 1ms delay) using timers and counters in assembly and Embedded C.	8051 development board

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

7	Write programmes to turn ON/Off LED using interrupt in assembly and embedded C	8051 development board
8	Write programmes to generate various waveform (square , triangular, saw tooth, trapezoidal) using timers assembly and Embedded C	8051 development board
9	Write programmes to interface 4x4 matrix keypad in assembly and Embedded C	8051 development board
10	Write programmes to interface stepper motor and rotate in clock wise and anticlockwise in arduino/ Rasberypi with embedded python	Arduino Nano Kit
11	Write programmes for temperature control by configuring ADC and switching AC heaters and study of electro hydraulic trainer along with display of set point, process variable and manipulated variable and LCD display in arduino/ rasberypi with embedded python	Arduino Nano Kit
12	Write programme to control four way traffic light control using timmer/ counter in embedded python	Arduino Nano Kit
	Computer Techniques and application	
1	CPU scheduling algorithms	PC
2	Programme on Hoffman Coding	PC
3	Study of file system Management	PC
4	Generate a Test Plan format for an application as a case study	PC
5	Theoretical study of the software testing guidelines	PC
6	Study of different software's testing tools	PC
7	Study of Industrial Ethernet	PC
8	Case study on RTOS.	PC
	Data Science	
1	Statistical analysis of dataset	Python, Computer
2	EDA of dataset Database: Toyota.csv	Python, Computer
3	Classification of cars Database: Toyota.csv	Python, Computer
4	Correlation analysis of dataset Database: Toyota.csv	Python, Computer
5	Students performance analysis Database: StudentsPerformance.csv	Python, Computer
6	Data visualization: Plot frequency distribution of fuel type using bar plot. Database: Toyota.csv	Python, Computer
7	Create 'price class for cars' having three categories: Low, Medium and High using control loops. Database: Toyota.csv	Python, Computer
8	Tableau dashboard	Python, Computer
	Modern Control Theory	
1	Conversion of transfer function model to state space and vice-versa.	Matlab & Computer

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

2	Computation of state transition matrix using different methods	Matlab & Computer
3	Investigate state controllability of given system.	Matlab & Computer
4	Investigate state Observability of a given system.	Matlab & Computer
5	Design a state feedback controller through pole placement approach.	Matlab & Computer
6	Design full order state observer using principle of duality.	Matlab & Computer
7	Stability analysis of linear system using Lyapunov Functions	Matlab & Computer
8	Find the Response of the discrete time control system for standard inputs.	Matlab & Computer
	Internet of Things	
1	Interfacing of digital sensor/switch with developing board and display of condition on LED and on LCD	Aurdino kit, LED,LCD
2	Interfacing analogue sensor with developing board and displaying it's value on LCD	Aurdino kit
3	Changing brightness of LED using Potentiometer using PWM technique.	Aurdino kit
4	Data transfer from one development board to other using Wi-Fi	Aurdino kit, ESP wifi module
5	Data transfer from one development board to other using Bluetooth.	Aurdino kit, Bluetooth module HC05
6	Connecting development board to internet either with Wi-Fi or GSM	Aurdino kit, ESP wifi module
7	Sending information to cloud using development board.	Aurdino kit, ESP wifi module
8	Receiving data from cloud to development board and displaying it on LCD.	Aurdino kit, LCD
Machine Learning		
1	To create a Machine Learning Algorithm of Linear Regression.	Computer
2	Home price prediction using machine learning.	Computer
3	To make Logistic Regression model to predict whether user will purchase the product or not.	Computer
4	To implement KNN algorithm to predict whether user will purchase the product or not.	Computer
5	Implement SVM Classifier for prediction of purchasing the product by user.	Computer
6	Iris flower species prediction using Machine Learning.	Computer
7	To implement Decision Tree Classifier.	Computer

Place: Pune
Date: 20 April 2022

(Authorized Signature)
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8	Case study on Tableau Dashboard.	Computer
	Data Structure	
1	Write a program for unit conversion for physical parameters for temperature, pressure and flow	Python
2	Create a function of program written for unit conversion of each parameter.	Python
3	Generate a array of some values and use function developed for unit conversion using array operations	Python
4	Write a program for bubble sort using Array	Python
5	Write a program for operation of 2 dimensional Arrays	Python
6	Write a program for matrix operations.	Python
7	Write program for various operations on list.	Python
8	Write program for various operations on set.	Python
	Digital Signal Processing	
1	Generate the discrete-time standard test signals viz. impulse, unit step, ramp,parabolic, exponential and sinusoidal signal	PC, Matlab software
2	Implement the basic operations on the given signals.	PC, Matlab software
3	Implement Linear Convolution of the given two discrete time sequences..	PC, Matlab software
4	Obtain the Auto- correlation and Cross- correlations of the given sequences..	PC, Matlab software
5	Obtain the transfer function and plot is pole- zero plot in z-domain.	PC, Matlab software
6	Find the DTFT of the given sequence and plot its magnitude and phase plot.	PC, Matlab software
7	Find the DFT of the given sequences. Plot its magnitude and phase plot. Also, find its IDFT to obtain the original sequence.	PC, Matlab software
8	Implement the circular convolution of the given two sequences.	PC, Matlab software
9	Obtain the linear convolution using circular convolution of two given sequences	PC, Matlab software
10	Obtain the DFT of the given sequences using DIT- FFT algorithm and plot its magnitude and phase spectrum.	PC, Matlab software
11	Obtain the DFT of the given sequences using DIF- FFT algorithm and plot its magnitude and phase spectrum.	PC, Matlab software
12	Write a program to design and implement FIR filters using windowing method for the given specifications.	PC, Matlab software
13	Write a Program to design and implement digital IIR filter using Butterworth approximations for the given specifications of a low-pass filter.	PC, Matlab software
14	Write a Program to design and implement	PC, Matlab software

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

	digital IIR filter using Chebyshev approximations for the given specifications of a low-pass filter.	
Signals and Systems		
1	Write a Program to generate the basic signals	PC, Matlab software
2	Write a Program to implement the Elementary operations on the given signals.	PC, Matlab software
3	Write a Program to compute the Linear Convolution of the two given signals.	PC, Matlab software
4	Write a Program to obtain the auto-correlation of sequence	PC, Matlab software
5	Write a Program to obtain the cross-correlations of the given sequences..	PC, Matlab software
6	Write a Program to obtain Fourier Series Coefficient..	PC, Matlab software
7	Write a program to find Fourier transform of continuous time signals.	PC, Matlab software
8	Write program to solve differential equation using Laplace Transform.	PC, Matlab software
9	Write program to compute Probability distribution function and cumulative distribution function.	PC, Matlab software
10	Write program to compute of Mean, Moments, deviation and variance of signals	PC, Matlab software
Emerson Centre of Excellence in DeltaV Distributed Control System (DCS) Lab		
Industrial Automation II (TE)		
1	To study of detail architecture of any typical DCS system	Delta V DCS
2	To start and stop electric motor/ pump using DCS	Setup SCTR trainer kit + Delta V DCS
3	To connect field device (Transmitter and control Valve) and its configuration for input and output channels in DCS	Setup SCTR trainer kit
4	To find Empirical process Model of any simple process using DCS	CSTR + Delta V DCS
5	To develop and implement simple[le feedback control loop using PID function block in DCS	CSTR + Delta V DCS
6	To configure the historical data, graphics and faceplate for above feedback control loop	CSTR + Delta V DCS
7	To study of HART and field bus Networks.	DCS
8	To study of field bus dashed field device add its configuration	CSTR + Delta V DCS
9	Case study of DCS or any industrial application	CSTR + Delta V DCS
10	To prepare specification sheet of DCS for any industrial application	CSTR + Delta V DCS
Industrial Automation II (BE)		
1	Study hardware and software used in PLC	Micrologix 1400PLC + DCS
2	Implementation of logic gates	Micrologix 1400PLC – DCS
3	Develop a ladder programme for DOL starter	PLC + Delta V DCS

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

4	Develop an application using on delay timer	PLC + Delta V DCS
5	Develop an application using off delay timer	PLC + Delta V DCS
6	Develop an application using up-down counter	PLC + Delta V DCS
7	Implementation of PLC arithmetic instruction	PLC
8	Study of PID controller instruction for a pilot plant	PLC + Delta V DCS
9	Study hardware and software platforms for DCS	PLC + Delta V DCS
10	Developing and implementing any closed controlled loop using SCADA System	Factory talk – PLC+ SCADA
Analog & Digital Techniques Lab		
	Building Automation (BE)	
1	To study Architecture of BMS & IBMS	
2	To study Psychrometric chart and various parameters	
3	To study different types of Air Handling Units	
4	To study various terminal unit systems (CAV, VAV)	
5	To study Chilled Water System and loops	
6	To study Hot Water System and loops	
7	To study FAS loops and classifications	
8	To study SLC wiring, loops, classifications	
9	To study cause and effect matrix-Fire alarm system	
10	To study CCTV System Architecture and types of cameras	
	Building Automation (TE)	
1	To study Architecture of BMS & IBMS	
2	To study Psychrometric chart and various parameters	
3	To study different types of Air Handling Units	
4	To study various terminal unit systems (CAV, VAV)	
5	To study Chilled Water System and loops	
6	To study Hot Water System and loops	
7	To study FAS loops and classifications	
8	To study SLC wiring, loops, classifications	
9	To study cause and effect matrix-Fire alarm system	
	Electrical measurements and Instrumentation	
1	Extension of range of given ammeter. Design of Multirange Ammeter.	Analog Meter, Power Supply, DMM
2	Extension of range of given ammeter as a voltmeter. Design of Multirange Voltmeter.	Analog Meter, Power Supply, DMM
3	Design of series type ohmmeter.	Analog Meter, Power Supply, DMM
4	Design of Shunt type Ohmmeter.	Analog Meter, Power Supply, DMM
5	Design of Wheatstone bridge.	Analog Meter, Power Supply, DMM
6	Measurement of Power using single phase wattmeter.	Wattmeter, Load Bank, Ammeter, Voltmeter

Place: Pune
Date: 20 April 2022

INSTITUTE OF INFORMATION TECHNOLOGY AISSMS PUNE UoP Id. No. PU/PNiEngg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

7	Measurement of Energy using Single Phase Energy meter.	Energymeter, Load Bank, Ammeter, Voltmeter
8	Measurement of voltage, Frequency and phase using CRO.	CRO, Function Generator
9	To measure the unknown frequency by Z-Modulation.	CRO, Function Generator
10	Study of Strip Chart recorder.	Strip chart recorder
11	Measurement of Current by clamp on meter.	Clamp meter
	Linear Integrated Circuits	
1	Bandwidth measurement of inverting and non- inverting amplifier using LM 741.	Power supply, C.R.O, Function generator, Digital multi meter
2	Measurement of CMRR, Slew rate age of LM 741	Power supply, C.R.O, Function generator, Digital multi meter
3	Designing and implementation of Differentiator using LM 741	Power supply, C.R.O, Function generator, Digital multi meter
4	Designing and implementation of Integrator using LM 741	Power supply, C.R.O, Function generator, Digital multi meter
5	Designing and implementation of Wien bridge oscillator using LM 741.	Power supply, C.R.O, Digital multi meter
6	Designing and implementation of Comparator, Schmitt trigger and Zero Crossing Detector using LM 741	Power supply, C.R.O, Function generator, Digital multi meter
7	Designing and implementation of Instrumentation amplifier using LM324	Power supply, C.R.O, Function generator, Digital multi meter
8	Designing and implementation of Astable multivibrator using LM 555.	Power supply, C.R.O, Digital multi meter
9	Designing of dual power supply from single voltage source	Power supply, C.R.O, Digital multi meter
Digital Electronics		
1	Verification of Truth Table of Various logic gates and study of input and output Characteristics of TTL logic Family	Digital Trainer Kit
2	Code Conversion (Binary to Gray)	Digital Trainer Kit
3	Interfacing of 7 Segment LED display using IC 7447	Digital Trainer Kit
4	Design And Implementation of Full Adder and Subtraction using Logic Gates	Digital Trainer Kit
5	Design of 1 bit an d2 bit comparator using logic gate	Digital Trainer Kit
6	Design of Sequential counter using JK Flip flop	Digital Trainer Kit
7	Design of Non Sequential Counter using type KH Flip flop	Digital Trainer Kit
8	Verify truth table of flip flops using NAND and NOR Gates	Digital Trainer Kit
9	Study of Presentable UP/Down Counter Using IC 74193	Digital Trainer Kit
Biomedical Instrumentation Lab		
	Biomedical Instrumentation	
1	To study bio electrodes.	Bio electrode chart
2	To study various preamplifier used in biomedical applications	Electronic components
3	To Design and Implement basic ECG Amplifier/ Calibrator	ECG Machine

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

4	To Measure Blood Pressure Using Sphygmomanometer, Calibration of BP apparatus	Sphygmomanometer
5	Study of Audiometer.	Audiometer.
6	To Study EEG.	EEG.
7	To record/monitor heart sounds using Stethoscope	Electronic Stethoscope
8	To implement Heart rate meter	Heart rate meter
	Communication Skill	
1	SWOT analysis	Microsoft Office, computer
2	Personal & Career Goal setting – Short term & Long term	Virtual Lab Indian Institute of Technology Guwahati Virtual English and Communication, computer
3	Report writing	Microsoft Office , Computer
4	Letter/Application writing	Virtual Lab Indian Institute of Technology Guwahati Virtual English and Communication, computer
5	Group discussion	Microsoft Office, computer
6	Resume writing	Virtual Lab Indian Institute of Technology Guwahati Virtual English and Communication, computer
7	Stress management	--
8	Presentation Skill	Microsoft Office, Computer
Forbes Marshall Centre of Excellence Flow level Lab Sensors and Transducers Lab		
1	Calibration of pressure gauge using dead weight pressure tester	Dead Weight Pressure tester
2	Calibration of vacuum gauge using vacuum gauge tester	Vacuum Gauge Pressure Tester
3	Characterization of Thermocouples (J/T/K/R/S)	J,K type Thermocouple, heating oven, thermometer
4	Measurement of displacement using LVDT	LVDT trainer kit
5	Measurement of weight using strain gauge load cell	Strain gauge -measurement setup
6	Characterization of RTD (PT100)	RTD PT-100, Thermometer, heating oven
7	Measurement of temperature using IC sensors (AD590 and LM35)	IC AD590 and LM 35, Breadboard, Resistors, Connecting Wires
8	Use of Encoders for Position measurement	Encoders-Experimental Setup
9	Application of optical sensors (Experiment Beyond)	Optical Sensor

List of Experimental Setup in each Laboratory / Workshop (AIDS)

Sr. No.	Name Experimental Setup	Equipment required
Laboratory: DSAL (Sem II) (401, 402, 406)		Faculty: Ms. P.S. Shahane
1	Telephone Book Directory Using Hashing	Operating System: Windows 8, Tools: Dev C++/ Google Colab/ Jupyter
2	'Sets Concept using ADT	
3	Books Hierarchy using Trees	
4	Binary Search Tree Operations	
5	Conversion of Binary Tree to Threaded Tree	
6	Flight paths representation using Graphs	

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY PUNE UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

7	Optimal path for telephone lines using Prim's algorithm	Notebook
8	Minimum cost BST for given Keys	
9	Dictionary Implementation using Height Balanced Trees	
10	Max & Min operation for students marks using Heap	
11	Students information System using Sequential File	
12	Employee Information System using Index Sequential File	
Laboratory: IOTL (Sem II) (401, 402, 406)		Faculty: Dr. R. B. Dhumale
1	Study & Survey of various development boards for IoT.	Raspberry-Pi Board, Power Supply, Interfacing Kits, Memory Cards, Monitor
2	Study of Raspberry-Pi/ Beaglebone/ Arduino and other microcontroller (History & Elevation)	
3	Study of different operating systems for Raspberry-Pi /Beaglebone/Arduino. Understanding the process of OS installation	
4	Study of different GATES (AND, OR, XOR), Sensors and basic binary operations.	
5	Study of Connectivity and configuration of Raspberry-Pi /Beagle board/Arduino circuit with basic peripherals like LEDS. Understanding GPIO and its use in the program.	
6	Write a program using Arduino to control LED (One or more ON/OFF). Or Blinking	
7	Create a program that illuminates the green LED if the counter is less than 100, illuminates the yellow LED if the counter is between 101 and 200 and illuminates the red LED if the counter is greater than 200	
8	Write a program that asks the user for a number and outputs the number squared that is entered	
9	Write a program to control the color of the LED by turning 3 different potentiometers. One will be read for the value of Red, one for the value of Green, and one for the value of Blue	
10	Write a program so it displays the temperature in Fahrenheit as well as the maximum and minimum temperatures it has seen	
11	Write a program to show the temperature and shows a graph of the recent measurements	
12	Write a program using piezo element and use it to play a tune after someone knocks	
13	Write an application to control the operation of hardware simulated traffic signals. (Mini Project: Same can be done parallel with PBL)	
14	Case study of any compute/communication/control application on Arduino Uno board	
Laboratory: OSL (Sem I) (401, 402, 406)		Faculty: Ms. P. S. Shahane .

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

1	Simulation of different CPU scheduling algorithms such as FCFS, SJF, Priority & Round Robin.	Operating System: Windows 8, Tools: Google Colab/ Jupyter Notebook
2	Producer-consumer problem with counting semaphores and mutex.	
3	Reader-Writer problem using semaphores	
4	Write a program to implement the Bankers Algorithm	
5	Page Replacement strategies (FIFO, LRU, Optimal)	
6	Paging simulation using Least Recently Used (LRU) and Optimal algorithm	
7	UNIX system calls for process management	Operating System: Unix/Linux Tools: Terminal
8	Create a shell programtodo mathematical operations	
9	Find string in a file using grep system calls	
10	Inter process communication in Linux using Pipes	

Laboratory:CGL (Sem-I)(401) Faculty: Ms. D. P. Babar

1	Write C++ program to draw a concave polygon and fill it with desired color using scan fill algorithm	Operating System :- 64-bit Open source Linux or its derivative Programming tools: - Open Source C++ Programming tool like G++/GCC, OPENGL,Dev C++
2	Write C++ program to implement Cohen Southerland line clipping algorithm.	
3	a) Write C++ program to draw the following pattern. Use DDA line and Bresenham's circle drawing algorithm. Apply the concept of encapsulation	
4	Write C++ program to draw 2-D object and perform following basic transformations:1. Scaling 2. Translation 3. Rotation. Apply the concept of operator overloading.	
5	Write C++ program to generate snowflake using concept of fractals. Write C++ program to generate Hilbert curve using concept of fractals. Write C++ program to generate fractal patterns by using Koch curves.	

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

6	a) Design and simulate any data structure like stack or queue visualization using graphics. Simulation should include all operations performed on designed data structure. Implement the same using OpenGL. b) Write C++ program to draw 3-D cube and perform following transformations on it using OpenGL i) Scaling ii) Translation iii) Rotation about an axis (X/Y/Z). c) Write OpenGL program to draw Sun Rise and Sunset.	
7	a) Write a C++ program to control a ball using arrow keys. Apply the concept of polymorphism. b) Write a C++ program to implement bouncing ball using sine wave form. Apply the concept of polymorphism. OR c) Write C++ program to draw man walking in the rain with an umbrella. Apply the concept of polymorphism. OR Write a C++ program to implement the game of 8 puzzle. Apply the concept of polymorphism. Write a C++ program to implement the game Tic Tac Toe. Apply the concept of polymorphism.	
8	Mini- Project Design and implement game / animation clip / Graphics Editor using open source graphics library. Make use of maximum features of Object Oriented Programming.	
Laboratory: DSL (Sem I) (406)		Faculty: Mrs. P.S. Bhondve
1	Write a Python program to store marks scored in subject "Fundamental of Data Structure" by N students in the class. Write functions to different compute following:The average score of class. Highest score and lowest score of class	Operating System: Windows 8, Tools: Dev C++/ Google Colab/ Jupyter Notebook,Pycharm
2	Write a Python program to compute different operations on String	

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

3	a) Write a Python program to store roll numbers of students in an array who attended a training program in random order. Write a function for searching whether a particular student attended a training program or not, using Linear search and Sentinel search. b) Write a Python program to store roll numbers of student arrays who attended training programs in sorted order. Write function for searching whether particular student attended training program or not, using Binary search and Fibonacci search	
4	Write a Python program to maintain club members, sort on roll numbers in ascending order. Write function "Ternary Search".	
5	Write a Python program to1.Insertion sort 2.Shell Sort s	
6	Write C++ program to maintain club member's information using singly linked lists. Store student PRN and Name. Write functions to:	
7	Write C++ program for storing appointment schedules for the day. Appointments are booked randomly using a linked list.	
8	A palindrome is a string of characters that's the same forward and backward. Typically, punctuation, capitalization, and spaces are ignored. To print the original string followed by the reversed string using stackTo check whether the given string is palindrome or not.	
9	Implement C++ program for expression conversion as infix to postfix	

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

10	Queues are frequently used in computer programming. Write C++ program for simulating job queue. Write functions to add jobs and delete jobs from the queue.	
11	A double-ended queue (deque) is a linear list in which additions and deletions may be made at either end.	
12	Pizza parlour accepting maximum M orders. Write C++ program to simulate the system using a circular queue using arrays.	

Experimental Setup in each Laboratory / Workshop(Engineering Science)

Sr. No.	Name Experimental Setup	Equipment required
Laboratory : Physics		
1	To find the velocity of ultrasonic waves in the given liquid using ultrasonic interferometer and hence to determine the compressibility of the given.	Ultrasonic Interferrometer setup
2	Todetermine the radius of curvature of the planoconvex lens by using Newtons rings	Newtons rings setup
3	To determine wavelength of He-Ne LASER beam using plane diffraction grating.	He Ne LASER
4	To study and to verify cosine square law of Malus.	Law of Malus setup
5	To determine Beam diameter of He-Ne LASER beam using beam analyzer.	LASER Beam analyser
6	To determine Band Gap Energy of given semiconductor.	Band Gap Energy set up
7	To study Hall effect in semiconductor sample and to determine the Hall coefficient.	Hall effect setup
8	To study and to plot I vs V characteristics of solar cell and hence to determine Fill Factor of given solar cell.	Solar cell setup
9	To determine area of physics laboratory using Ultrasonic distance meter	Ultrasonic distance meter
10	To identify fundamental musical sound notes	Tunning forks
Laboratory :Workshop		
1.	Mandatory briefing on shop-floor safety	
2.	Demonstration and working of centre lathe Demonstration on various functions of lathe parts: Headstock, Tailstock, Carriage, Lead screw, All geared Mechanism, Apron mechanism etc.	centre lathe Machine
3.	Demonstration of Lathe operations: Step turning and facing, drilling operation on a Mild Steel cylindrical job on centre lathe. Understanding the concept of speed, feed and depth of cut.	centre lathe Machine

Place: Pune
Date: 20 April 2022

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UoP Id. No. PU/PN/Engg 124/1998
1

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4.	Demonstration of Drilling machine Demonstration on construction of Radial drilling machine, Tool holding devices, Concept of speed, feed and depth of cut.	Radial Drilling machine
5.	Demonstration on Milling machine Demonstration on construction, table movements, indexing and tooling of milling machine	Vertical Machining Machine
6.	Demonstration of Shaper/Grinding machine (Any one) Shaper: Crank and slotted link mechanism, Work feed mechanism Grinding: Surface grinder/Cylindrical grinding machine, Mounting of grinding wheel	Bench Grinder
7.	Term work includes one job of Carpentry Introduction to wood working, kinds of woods, hand tools & machines, Types of joints, wood turning. Pattern making, types of patterns and its allowances.	Carpentry Vice, All Carpentry Equipments
8.	Term work to include one job involving fitting to size, male-female fitting with drilling and tapping operation on Mild Steel plate; Introduction to marking, cutting and sawing, sizing of metal, shearing, Concept of fits and interchangeability, selection of datum and measurements.	Drilling Machines with Acrylic Plates
9.	Term work to include one utility job preferably using sheet metal (e.g. Tray, Funnel etc.) with riveting/welding/brazing/soldering (at least one temporary and one Permanent joint either using resistance welding/Arc welding and soldering) Introduction to sheet metal operations: punching, blanking, bending, drawing.	Arc Welding Machine
10.	Prepare a Layout of Workshop To prepare a work shop layout.	Measuring Tape
Laboratory :Engineering Graphics		
1	Engineering Curves	All Drawing Equipments
2	Orthographic Projection	All Drawing Equipments
3	Isometric Projection	All Drawing Equipments
4	Devlopment of lateral Surfaces of truncated solid	All Drawing Equipments
5	Draw Isometric View and Orthographic view Of Workshop	All Drawing Equipments
6	projection of lines (one problem) other than syllabus	All Drawing Equipments
7	projection of planes (one problem)	All Drawing Equipments
8	projection of solids (one problem)	All Drawing Equipments
Laboratory Chemistry		
1	Determination of Hardness of water by EDTA method;	Glass ware and Chemical
2	Determination of alkalinity of water;	Glass ware and Chemical
3	Titration of acid with base using Conductometer;	Digital Conductivity meter
4	Determination of dissociation constant of weak acid by PH meter;	pH-meter
5	Spectrometric Estimation of Iron;	Colorimeter

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY PUNE UoP Id. No. PU/PN/Engg 124/1993

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6	Molecular Weight of a high Polymer;	Glass ware and Chemical
7	Synthesis of Phenol Formaldehyde Resins.;	Glass ware and Chemical
8	Proximate analysis of coal;	Hot Air Oven
9	Preparation of Biodiesel ;	Glass ware and Chemical
10	Study of Double beam Spectrometer ;	Spectrometer
Laboratory Engineering Mechanics		
1	Verification of law of parallelogram of forces	Gravsands apparatus
2	To determine support reaction of simple/compound beams	Wooden beam setup
3	Determination of coefficient friction of belt/inclined plane	Setup of Drum
4	To determine forces in the members of space force system	Experimental setup for forces in the members of space force system
5	To study the curvilinear motion	Meter scale, Rubber ball, Table-tenis ball, marble ball
6	Determination of coefficient of restitution	Arc shape metallic Track
Laboratory : Systems in Mechanical Engineering		
1	A. Visit Report Industrial Visit/Showroom Visit/Workshop fabrication shop Visit report	-
2	Assignment no 1- Energy sources (Minimum one assignment on Conventional and one on Non-conventional sources.	Solar Panal
3	Assignment no 2 Vehicle specifications and systems in passenger car	Car Model
4	Assignment no3 Electric vehicle specifications and its systems	-
5	Assignment no 4 Domestic appliances viz. refrigerator, air-conditioner, washing machine, cold storage	Demostration KIT ofrefrigerator, air-conditioner, washing machine, cold storage
6	Study and Demonstration of power train system in the vehicle	Power train Model
7	Study and Demonstration of vehicle systems (automobile chassis, steering system, suspension system, braking system - Any Two)	All Vehicle systems
8	Study and Demonstration of energy conversion devices	Solar Panal
9	Study and Demonstration of additive manufacturing / rapid prototyping techniques(3D Printing)	3D Printer
10	Beyond syllabus	

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INSTITUTE OF INFORMATION TECHNOLOGY AISSMS PUNE
UoP Id. No. PU/PN/Engg 124/1998

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Computing Facilities

Internet Bandwidth	450 Mbps
Number and configuration of System	715
Total number of system connected by LAN	715
Total number of system connected by WAN	715

Number and configuration of System

Sr. No.	Course	Nos.	No. of P-IV/Latest Configuration	Peripherals	Qty
1	Computer Engineering	200	Lenovo COMPUTER Intel(R)core(TB)2Duo CPU E7300 @2.66GHz 0.99GB RAM.	LCD Projector	56
2	Electrical Engineering	59		HP Laser Printer HP1007	21
3	Artificial Intelligence and Data Science	75		Printer D. M. printer Lx300+II	26
4	Instrumentation Engineering	59	COMPUTER Intel(R)Core (TM) i3-2120 CPU @ 3.30GHz 4.00GB (3.33GB Usable)	Printer D. M. Printer Lx300−	17
5	Electronics & Tele Communications	125		HP Scanjet HP 2400 Laser.	3
6	Information Technology	132	Lenovo Intel(R)Core(TM)2DUO CPU 2,00GB 32-bit Opertig System	HP Scanjet HP 5590 Laser.	2
7	Engineering Sciences	55	Lenovo Windows -8 Rating-5.8 Windows .Pro-Intel® Core™ i3-4130 CPU @ 3.40 GHz .RAM - 4.00GB System Type-64Bit.	UPS	13
				Hp Laser Jet 1020 Printer	12
				Color Printer	10
				HP Scanner	02
				EPSON Scanner	01
			Lenovo Windows -8 2013 Microsoft Corporation.All rights reseved Windows .Pro-Intel® Core™ i3-4170 CPU @ 3.70 GHz .RAM - 4.00GB System Type-64Bit.Desktop Computer, Make: Lenova Processors: Core i3, Motherboard: Compatible to core i3 Processor, HDD: 1TB GB HDD, RAM: 4 GB RAM, Display: 18.5" LED Display Screen.		

Place: Pune
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AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

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			Graphics Card: 1GB NVIDIA Graphics Card DVD RW Drive, SMPS with Cabinet, Keyboard: USB Multimedia Keyboard, Mouse: USB Optical Mouse, Operating System: Windows 10 (64 bit) License Warranty: 3 years onsite		
	Total:	715			163

Innovation Cell

AISSMS IOIT has formed Institute Innovation council for start up- innovation activities. This council aims to support creating world class innovators and entrepreneurism along with graduation course of engineering. Through IIC our students as well as faculties are attending different online sessions and competitions like, SIH, National Innovation Contests, KAPILA -IPR and leadership program.

Social Media Cell

Media is a gift of technology that provides us with the medium for mass communication. Communication tools used to store and deliver information or data. Social media plays an important role in every student's life. It is easier and convenient to access information, provide information and communicate via social media. Teachers and students are connected to each other and can make good use of these platforms. Platforms like Facebook, LinkedIn, Instagram, YouTube and Twitter are used by almost everyone. Print Media includes newspapers, weeklies, magazines, blogs, banners, graphics, posters and other forms of printed material. In order to effectively make of use of media, it has been decided to publicize our College events through social and print media

Compliance of the National Academic Depository (NAD), applicable to PGCM / PGDM Institutions and University Departments ()

List of facilities available
https://aissmsioit.org/facilities/

Games and Sport facilities	Available https://aissmsioit.org/facilities/sports/
Extra – Curricular Activities	Available
Soft Skill Development Facilities	**Campus to corporate readiness program (CCRP):** To inculcate employability skills in the students, various programs are conducted at institute level in collaboration with reputed industries like Forbes Marshall, Institute of Holistic Healing etc.

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AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

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Curricula and syllabus for each of the programmes as approved by the University	
Academic Calendar of the University	
Academic Time Table with the name of the Faculty members handling the Course	
Teaching Load of each Faculty	
Internal Continuous Evaluation System and place	
Students assessment of Faculty, System in place	

Curricular and syllabus for each of the Programmes as approved by the University

https://aissmsioit.org/first-year/syllabus/
https://aissmsioit.org/computer/syllabus/
https://aissmsioit.org/instrumentation/syllabus/
https://aissmsioit.org/electronics-telecommunication/syllabus/
https://aissmsioit.org/information-technology/syllabus/
https://aissmsioit.org/electrical/syllabus/

Academic Calendar of the University

http://www.unipune.ac.in/university_files/academic_calender.htm

Academic Time Table with the name of the faculty members handling the Course

https://aissmsioit.org/first-year/time-table/
https://aissmsioit.org/computer/time-table/
https://aissmsioit.org/instrumentation/time-table/
https://aissmsioit.org/electronics-telecommunication/time-table/
https://aissmsioit.org/electrical/time-table/
https://aissmsioit.org/information-technology/time-table/

Teaching Load of each Faculty

Department of Computer Engineering
Load Distribution : 2021-22 [ODD SEMESTER]

Sr No.	Name of Faculty	Class	Theory	Practical	Load	Staff Sign
1	Mrs. Sarika Zaware	BE A	DA		3	
		SE A		BCS Lab	4	
		BE		PROJECT	2	
		TE		SEMINAR	2	
				TOTAL	11	
2	Dr. KishorWagh	BE A	HPC		4	
		SE A	OOP		3	
		SE A		OOPCGL	8	

Place: Pune
Date: 20 April 2022

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		TE A		SEMINAR CO.	1
				TOTAL	16
3	Mrs.Meenal P. Nerkar	SE A	FDS		3
		SE A		DSL	12
		BE A	EL-I		3
				TOTAL	18
4	Mrs.ShilpaPimpalkar	TE A	DBMS		3
		TE A		DBMS Lab	12
		BE B	DA		3
				TOTAL	18
5	Mr. G.J.Navale	TE A	TOC		3
		BE A	AIR		3
		BE A		LP-I	12
				TOTAL	18
6	Mrs.Shikha Agrawal [BE B GFM]	BE B	EL-I		3
		SE A,B		BCS LAB	6
		TE A	CNS		3
		TE A		CNS LAB	6
				TOTAL	18
7	Ms. P.D.Bormane [BE A GFM]	SE A	DELD		3
		SE A		DE LAB	8
		BE A	EL II		3
		BE A		LP II	4
		BE A		AC - 5	1
				TOTAL	19
8	Ms. A.S.Varal [SE A GFM]	SE A	CG		3
		SE A		OOPCGL	8
		SE B		OOPCGL	8
				TOTAL	19
9	Mrs. M.A.Zope	BE B	EL II		3
		BE B		LP II	4
		SE B	DELD		3

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AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

		SE B		DE LAB	8	
				TOTAL	18	
10	Ms. P.S.Gaikwad	TE B	TOC		3	
		TE B	CNS		3	
		TE B		CNS LAB	6	
		TE B		SEMINAR COORDINATOR	1	
		SE B		BCS LAB	4	
				TOTAL	17	

11	Mrs. A.G.Said	SE B	OOP		3	
		SE B	CG		3	
		SE B		OOPCGL	8	
		SE B		BCS LAB	2	
				TOTAL	16	
12	Mrs. N.S.Patil	SE B	FDS		3	
		SE B		DSL	12	
		BE B	HPC		4	
				TOTAL	19	
13	Mr. P.S.Sadaphule	TE B	EL I		3	
		BE B	AIR		3	
		BE B		LP I	12	
				AC 5	1	
				TOTAL	19	
14	Mr. C. N. Aher	TE B	DBMS		3	
		TE B		DBMS LAB	12	
				TOTAL	15	
15	Ms. A.S.Chavan [TE A GFM]	TE A	SPOS		3	
		TE A		LP I (SPOS)	12	
		SE A,B		AC 3	2	
				TOTAL	17	
16	Mrs.P.N.Gulhane	BE A		LP II	8	

Place: Pune
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AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

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Dr Pradeep B Mane
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	[SE B GFM]	TE A	EL I		3	
		SE B	DM		3	
		SE A, B	HSS		2	
				TOTAL	16	
17	Ms. V.S.Bhende	TE B	SPOS		3	
	[TE B GFM]	TE B		LP I	12	
		TE A, B		AC 5	2	
				TOTAL	17	
18	NEW STAFF	SE A	DM		3	
		BE B		LP II	8	
		SE A,B		DSL	8	
				TOTAL	19	

Even semester

S.NO	Name of Faculty	Class	Subject	Theory	Practical	Total
1.	Dr.S.N.Zaware	TE B	DSBDA	4		12
		SE A	PBL		4	
		BE	PROJECT		4	
2.	Dr.K.S.Wagh	SE A	PPL	3		16
		SE A	ADSL		8	
		BE A	ML	3		
		BE	PROJECT		4	
3.	Mrs. M.P.Nerkar	SE A	MPL		4	16
		TE A	WT	4		
		TE A	WTL		6	
		BE	PROJECT		2	
4.	Mrs.M.A.Zope	SE B	MP	3		19
		SE B	MPL		12	
		SE B	PBL		4	
5.	Mrs. S.P.Pimpalkar	TE B	DSBDA	4		18
		TE B	DSBDA LAB		12	
		BE	PROJECT		2	
6.	Mrs. P.S.Gaikwad TE A INTERSHIP COORDINATOR	TE A	EL-II	4		18
		TE A	LP-II		12	
		TE A	INTERNSHIP		2	
7.	Mrs. A.G.Said	SE B	PPL	3		18
		SE B	ADSL		8	
		SE B	PBL		4	
		BE A	EL-IV	3		
8.	Mrs. N.S.Patil	SE B	DSA	3		18

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AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

		SE B	ADSL		8	
		SE B	PBL		4	
		BE A	EL-III	3		
9.	Mr. P.S.Sadaphule	TE B	AI	4		18
		TE B	LP-II		12	
	TE B INTERNSHIP COORDINATOR	BE A	LP-IV		2	
10.	Mr.G.J.Navale	TE B	WT	3		17
		TE B	WTL		6	
	TE B GFM	BE A	LP-IV		6	
		BE	PROJECT		2	
11.	Ms. B.S.Bhende	SE B	SE	3		17
		SE B	PBL		4	
	SE BGFM	SE B	CC		1	
		SE B	AC		1	
		BE B	LP-III		6	
		BE	PROJECT		2	
12.	Ms.A.S.Chavan	TE A	AI	4		18
		TE A	AC-6	1		
	TE A GFM	BE B	EL-IV	3		
		BE B	LP-IV		8	
		BE B	PROJECT		2	
13.	Mr.C.N.Aher	TE B	DSBDA LAB		12	17
		BE B	LP-III		2	
		BE B	ICS	3		
14.	Ms.A.S.Varal	SE A	ADS	3		17
		SE A	ADSL	8		
		SE A	PBL		4	
		BE A	LP-III	2		
15.	Ms.P.D.Bormane	TE B	EL-II	4		17
		BE A	LP-III		4	
		BE B	ML	3		
		BE B	LP-III		4	
		BE	PROJECT		2	
16.	Mrs.P.N.Gulhane	SE B	MPL		4	17
		BE A	ICS	3		
	BE A GFM	BE A	LP-III		6	
		BE A	LP-IV		4	
17.	Mr.G.S.Pise	SE A	SE	3		18
		SE A	PBL		8	
	BE B GFM	BE B	EL-III	3		
		BE B	LP-IV		4	
18.	Ms.P.Bhujbal	SE A	MP	3		17
		SE A	MPL		12	
	SE A GFM	SE A	AC-4	1		
		SE A	CC	1		
19.	Mrs. K.G.Wadikar	SE A	EM-III	3		14
		SE B	EM-III	3		
		SE A	EM-III TUT		4	
		SE B	EM-III TUT		4	

DepartmentOfElectricalEngineering
LoadDistributionForAcademicYear2021-22SemI

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

Place: Pune
Date: 20 April 2022

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Sr. No.	Name of Staff	Class	Subject	Load Hours			Total	Grand Total
				TH	PR	TU		
1	Dr. A. D. Shiralkar	TE	Seminar				1	13
		BE	PLC & SCADA Applications		6		10	
		BE	Project				2	
2	Dr. S.M. Bakre	TE	Electrical Installations, Design and Condition Based Maint.		4		4	16
		ME/BE	Project I				2	
		ME/TE	Seminar II				2	
		ME	Modeling and Analysis of Electrical Machines	4			4	
		ME	Elective I Module 1 (Wind and Solar)	4			4	
3	Mr. S. M. Chaudhari	SE	Electrical Measurement & Instrumentation	3	6		9	20
		TE	Electrical Machines II	3	6		9	
		ME	Elective I and III- Module II	2			2	
4	Mr. S. V. Shelar	BE	Elective I (PQ)	3	6		9	15
		BE	Project				2	
		ME	Energy Management and Power Quality	4			4	
5	Mrs. K. S. Gadgil	SE	Analog and Digital Electronics	3	6		9	20
		SE	Audit Course-III		2		2	
		BE	Elective II (Electric Vehicle)	3			3	
		BE	Project				2	
		ME	Research Methodology	4			4	
6	Mr. S. S. Shingare	FE	Basic Electrical Engineering	6	12		18	20
		BE	Project				2	
7	Mr. V. S. Kamble	SE	Electrical Measurement & Instrumentation		6		6	19
		SE	Mathematics Practical		2		2	
		BE	Power System Operation & Control	3	6		9	
		BE	Project				2	
8	Mrs. S. S. Landge	SE	Mathematics Practical		4		4	20
		TE	Power Electronics	3	8		11	
		TE	Seminar				1	
		ME	Special Applications of Power Electronics	4			4	
9	Mrs. S. M. Shaikh	SE	Soft Skills		6		6	20
		TE	Electrical Installations, Design and Condition Based Maint.	3	8		11	
		TE	Seminar				1	
		TE	Audit Course		2		2	
10	Mrs. V. P. Kuralkar	TE	Industrial and Technology Management	3			3	19
		TE	Power Electronics		4		4	
		TE	Seminar				1	

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Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998 1

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		BE	Control System II	3	6		9	
		BE	Audit Course V		2		2	
11	Mr. P. P. Mahajan	SE	Power Generation Technologies	3			3	19
		SE	Material Science		6		6	
		TE	Elective I (AMA)	3			3	
		TE	Seminar				1	
		BE	Project				2	
		ME	Power Converter I	4			4	
12	Mr. S. D. Raste	FE	Basic Electrical Engineering	6	12		18	19
		TE	Seminar				1	
13	Mrs. S. N. Powniker	SE	Material Science	3	6		9	21
		ME	Lab Practice I		4		4	
		ME	Elective III-Module I(Industrial Automation)	4			4	
		ME	Linear Systems Theory and Design	4			4	
			TOTAL LOAD	**89**	**130**		**241**	**241**

DepartmentOfElectricalEngineering
LoadDistributionForAcademicYear2021-22Sem II

Sr. No.	Name of Staff	Class	Subject	TH	PR/ Project	TU/ IN/ Seminar	Total
1	Mrs. A.D. Shiralkar	TE	Control System Engineering	3	8	1	16
		TE	Internship			2	
		BE	Project		2		
2	Dr. S.M. Bakre	ME-II (SEM-IV)	Seminar III			2	15
		ME-II (SEM-IV)	Project Stage - II / **BE Project**		2		
		ME-I (SEM-II)	AC and DC Drives	4			
		ME-I (SEM-II)	Elective II Mod II	1			
		ME-I (SEM-II)	Advanced Control Systems	4			
		ME-I (SEM-II)	Seminar I			2	
3	Mr. S.V. Shelar	SE	Power System-I	3			15
		SE	Project Based Learning		2		
		SE	Fundamental of Microcontroller and Applications		6		
		TE	Internship			2	
		BE	Project		2		
4	Mr. S.M. Chaudhari	SE	Electrical Machines-I	3	6	-	17
		SE	Audit Course-IV	2			
		BE	Switchgear & Protection		2		

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		ME-I (SEM-II)	Lab Practice II		4		
5	Mrs. K.S. Gadgil	SE	Numerical Methods & Computer Programming	3	6		16
		SE	Project Based Learning		2		
		TE	Electric Mobility (E-II)	3			
		BE	Project		2		
6	Mr. S.S. Shingare	BE	Switchgear & Protection	3	4		18
		BE	Project		2		
		FE (SEM-II)	Basic Electrical Engineering	3	6		
7	Mr. V.S. Kamble	TE	Power System II	3	8	1	18
		TE	Audit Course VI	2			
		SE	Network Analysis		2		
		BE	Project		2		
8	Mrs. S.S. Landage	TE	Internship			2	18
		BE	Power Electronic Controlled Drives	4	6		
		BE	Audit Course VI	2			
		SE	Network Analysis		4		
9	Mrs. S.M. Shaikh	TE	Computer Aided Design of Electrical Machines		6		18
		BE	High Voltage Engineering (E-III)	3	6		
		BE	Smart Grid (E-IV)	3			
10	Mrs. V.P. Kuralkar	TE	Computer Aided Design of Electrical Machines	3	10		18
		TE	Internship			2	
		BE	Illumination Engineering (E-IV)	3			
11	Mr. P.P. Mahajan	SE	Fundamental of Microcontroller and Applications	3	6		17
		SE	Project Based Learning		2		
		BE	Project		2		
		ME-I (SEM-II)	Power Converter-II	4			
12	Mrs. S. N. Powniker	ME-I (SEM-II)	Elective II Mod I	4			22
		FE (SEM-II)	Basic Electrical Engineering	6	12		
13	Mr. S.D. Raste	SE	Network Analysis	3			21
		FE (SEM-II)	Basic Electrical Engineering	6	12		
			TOTAL LOAD	**81**	**134**	**14**	**229**

DepartmentOf InstrumentationEngineering

LoadDistributionForAcademicYear2021-22Sem I

S.NO	Name of Faculty	Class	Subject	Theory	Practical	Total
1.	Dr. A.A.Shinde	TE	Machine Learning	3	4	9
		BE	Project		2	
2.	Mr. H.P. Chaudhari	SE	Process Loop Elements	3	6	17
		BE	Industrial Automation		2	
		BE	Process Instrumentation		4	

Place: Pune

Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)

Dr Pradeep B Mane

Principal, AISSMSIOIT, Pune-

		BE	Project		2	
3.	Dr. V.V. Kale	SE	Data Structure	3	6	17
		SE	Signals and Systems		4	
		BE	Online Certification Course		2	
		BE	Project		2	
4.	Mrs. S.V. Kulkarni (GFM-TE)	SE	Project Based Learning		6	18
		TE	Internet of Things	3	6	
		TE	Audit Course-VI	1		
		BE	Project		2	
5.	Mr.S.S.Jagtap (GFM-BE)	SE	Signals and Systems	3	2	17
		TE	Digital Signal Processing	3	6	
		BE	Audit Course-6	1		
		BE	Project		2	
6.	Dr. B. N. Mohapatra (GFM-SE)	SE	Control Systems	3	6	17
		BE	Process Instrumentation	3	2	
		SE	Audit Course-2	1		
		BE	Project		2	
7.	Mr. S.R. Kale	TE	Industrial Automation-2	3	6	18
		BE	Industrial Automation	3	4	
		BE	Project		2	
8.	Mrs.S.F.Mulla	TE	Building Automation	3	2	18
		TE	Internship		2	
		BE	Building Automation	3	6	
		BE	Project		2	
9.	Mrs.C.D.Rananaware	SE	Digital Electronics	3	6	18
		TE	Internship		4	
		BE	Renewable Energy Systems	3		
		BE	Project		2	

DepartmentOf InstrumentationEngineering
LoadDistributionForAcademicYear2021-22Sem II

Sr. No.	Name of Faculty	Subject	Class	Theory	Practical	Tutorial	Project(BE) + Seminar (TE)
1	Dr. A. A. Shinde	Communication Skill	SE	--	2	-	2
		Data Science Machine Learning	TE	3	4	-	
2	Mr.H.P. Chaudhari	Electrical Measurements & Instrumentation	SE	3	6	--	2+2
		Process Dynamics and Control	BE	-	4	-	
3	Dr. V.V. Kale	Linear Integrated Circuits	SE	3	6	1	2

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

		Computer Techniques and applications	BE	-	4	-	
		Modern Control Theory	TE	--	2		
4	Mrs. S.V. Kulkarni	Bio Medical Instrumentation	TE	3	2	-	2+1
		Smart and Wireless Instrumentation	BE	3	-	-	
		Communication Skill	SE	-	4	-	
		Audit Course -V	TE	-	-	1	
5	Mr. S. S. Jagtap	Embedded System	TE	3	6	-	2
		Computer Techniques and Applications	BE	3	2	-	
		Audit Course -VII	BE	-	-	1	
6	Dr. B. N. Mohapatra	Sensors and Transducers	SE	3	6	-	2
		Modern Control Theory	TE	3	4	-	
		Audit Course -III	SE	-	-	1	
7	Mr. S.R. Kale	Industrial Automation-I	TE	3	6	-	2
		Process Dynamics and Control	BE	4	2	-	
8	Mr.Mohsinuddin Khajamoinuddinl namdar	Industrial Internet of Things	BE	3	6	-	2
		Operating System	TE	3	-	-	
		Computational Techniques	SE	-	6	-	
9	Ms.S.F.Mulla	Control System Components	SE	3	6	-	2
		Project Engineering and Management	BE	3	6	-	
10	Mr.V.V.Shinde	Engineering Mathematics III	SE	3		3	-
Total				49	84	7	17

Department Of Electronics & Tele-Communication
Load Distribution For Academic Year 2021-2022 (Sem-I)

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY PUNE
UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

Sr. No.	Staff Name	Class	Subject	Load Hrs/Week			Total	Grand Total
				L	T	P		
1.	Dr. P. B. Mane	M.E	WSN (5-0-0-0)	5	--	--	5	9
		M.E	PROJECT (0-0-0-2)	--	--	2	2	
		B.E.	PROJECT (0-0-0-2)	--	--	2	2	
2.	Dr. Sanjay Kurkute	M.E.	ESD (4-0-0-0)	4	--	--	4	17
		M.E.	RM (4-0-0-0)	4			4	
		F.E.	BEE (3-0-2-0)	3	--	6	9	
3.	Dr. D. K. Shedge	SE(B)	EXC (3-0-2-0)	3	--	6	9	11
		B.E.	PROJECT (0-0-0-2)	--	--	2	2	
4.	Dr. M. P. Sardey	S.E.(A)	DC (3-0-2-0)	3	--	6	9	11
		B.E.	PROJECT (0-0-0-2)	--	--	2	2	
5.	Dr. V. K. Bairagi	S.E.(A)	ELC (3-0-2-0)	3	--	4	7	12
		PhD	RM (3-0-0-0)	3	--	--	3	
		B.E.	PROJECT (0-0-0-2)	--	--	2	2	
6.	Dr. S. B. Dhonde	SE.(B)	DC (3-0-2-0)	3	0	6	9	13
		S.E.(B)	ESD (0-0-2-0)	--	--	2	2	
		B.E.	PROJECT (0-0-0-2)	--	--	2	2	
7.	Dr. M. S. Vanjale	T.E.(A)	DCOM (3-0-2-0)	3	--	6	9	11
		B.E.	PROJECT (0-0-0-2)	--	--	2	2	
8.	Dr. S. A. Panwar	B.E(C)	IOT (3-0-2-0)	3	--	6	9	16
		B.E(D)	IOT (3-0-2-0)	3	--	4	7	
9.	Prof. H. D. Shinde	T.E.(B)	DCOM (3-1-0-0)	3	--	6	9	15
		T.E.(D)	SD (0-0-2-0)	--	--	4	4	
		B.E.	PROJECT (0-0-0-2)	--	--	2	2	
10.	Prof. V. K. Patil	B.E.(A)	IOT (3-0-2-0)	3	--	6	9	16

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

		B.E.(B)	IOT (3-0-2-0)	3	--	4	7	
11.	Prof. M. P. Gajare	S.E.(A)	EXC (3-0-2-0)	3	--	6	9	15
		S.E.(A)	ESD (0-0-2-0)	--	--	6	6	
12.	Prof. M. R. Wanjre	T.E(A)	MC (3-0-2-0)	3	--	6	9	16
		T.E.(B)	MC (3-0-2-0)	3	--	4	7	
13.	Prof. D. A. Itole	T.E(C)	MC (3-0-2-0)	3	--	6	9	16
		T.E(D)	MC (3-0-2-0)	3	--	4	7	
14.	Prof. S. R. Kokane	T.E.(C)	DCOM (3-0-2-0)	3	--	6	9	15
		T.E.(D)	DCOM (3-0-2-0)	--	--	2	2	
		S.E.(B)	ESD (0-0-2-0)	--	--	2	2	
		S.E.(B)	DS (3-0-2-0)	--	--	2	2	
15.	Prof. D. M. Yewale	B.E.(A)	VLSIDT (3-0-2-0)	3	--	6	9	16
		B.E.(B)	VLSIDT (3-0-2-0)	3	--	4	7	
16.	Prof. S. S. Nikam	B.E.(C)	VLSIDT (3-0-2-0)	3	--	6	9	16
		B.E.(D)	VLSIDT (3-0-2-0)	3	--	4	7	
17.	Prof. V. N. Ghodake	T.E.(A)	EMT (3-1-0-0)	3	3	--	6	16
		T. E. (B)	EMT (3-1-0-0)	3	3	--	6	
		T. E.(B)	MC (3-0-2-0)	--	--	2	2	
		T. E.(D)	MC (3-0-2-0)	--	--	2	2	
18.	Prof. C. K. Bhange	B.E(C)	CNS (4-0-2-0)	4	--	6	10	16
		B.E(D)	CNS (4-0-2-0)	4	--	2	6	
19.	Prof. H. B. Magar	B.E(A)	CNS (4-0-2-0)	4	--	6	10	16
		B.E(D)	CNS (4-0-2-0)	--	--	4	4	
		B.E.(B)	IOT (3-0-2-0)	--	--	2	2	

Place: Pune
Date: 20 April 2022

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AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

20.	Prof. S. V. Lohar	B.E.(C)	RMT (3-0-2-0)	3	--	6	9	16
		B.E(D)	RMT (3-0-2-0)	3	--	4	7	
21.	Prof. S. B. Pokharkar	S.E.(IT)	DELD (3-0-2-0)	3	--	6	9	16
		B.E(B)	RMT (3-0-2-0)	3	--	4	7	
22.	Prof. S. H. Lavate	S.E(B)	ELC (3-0-2-0)	3	--	6	9	16
		T.E.(D)	DCOM (3-0-2-0)	3	--	4	7	
23.	Prof. Vineeta Philip	B.E.(A)	AI (3-0-0-0)	3	--	--	3	16
		B.E(B)	AI (3-0-0-0)	3	--	--	3	
		T.E(A)	SD (0-0-6-0)	--	--	6	6	
		T.E(B)	SD (0-0-6-0)	--	--	4	4	
24.	Prof.R.N.Jadhav	S.E.(A)	DS (3-0-2-0)	3	--	6	9	16
		S.E.(B)	DS (3-0-6-0)	3	--	4	7	
25.	Prof. A. S. Ubale	T.E.(B)	CN (3-0-2-0)	3	--	6	9	16
		T.E.(D)	SD (0-0-2-0)	--	--	2	2	
		B.E.(B)	IOT (3-0-2-0)	--	--	2	2	
		S.E.(B)	ELC (3-0-2-0)	--	--	2	2	
		S.E. T.E.	AUDIT COURSE	--	- -	1	1	
26.	Prof. V. J. Desai	T.E.(B)	JAVA (3-0-2-0)	3	--	6	9	16
		T.E.(A)	DBM (3-0-6-0)	3	--	4	7	
27.	Prof. G. D. Salunke	B.E.	EIA (3-0-0-0)	3	--	--	3	16
		B.E.	EPD (3-0-0-0)	3	--	--	3	
		T.E.(C)	SD (3-0-2-0)	--	--	6	6	
		S.E.(B)	ESD (0-0-6-0)	--	--	2	2	
		T.E.(B)	SD (3-0-2-0)	--	--	2	2	
28.	Prof. S. R. Pawar	T.E.(C)	DBM	3	--	6	9	15

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

			(3-0-6-0)					
		T.E.(A)	DBM (3-0-6-0)	--	--	2	2	
		T.E.(B)	DBM (3-0-6-0)	--	--	2	2	
		BE	AUDIT COURSE	--	--	2	2	
29.	Prof. A. A. Chaudhari	B.E.(B)	CNS (3-0-2-0)	4	--	4	10	15
		B.E.(B)	ESRTOS (3-0-2-0)	3	--	4	7	
30.	Prof. S. O. Ahire	T.E.(D)	CN (3-0-2-0)	3	--	6	9	15
		B.E.(A)	RMT (3-0-6-0)	--	--	2	2	
		B.E.(D)	RMT (3-0-6-0)	--	--	2	2	
		B.E.(B)	RMT (3-0-6-0)	--	--	2	2	
31.	Prof. SagarBhopale	T.E.(C)	EMT (3-1-0-0)	3	3	--	6	16
		T. E. (C)	EMT (3-1-0-0)	3	3	--	6	
		B.E.(B)	VLSIDT (3-0-2-0)	--	--	2	2	
		B.E.(C)	VLSIDT (3-0-2-0)	--	--	2	2	
32.	Prof. V. P. Chavan	T.E.(B)	DBM (3-0-6-0)	3	--	6	9	16
		T.E.(D)	DBM (3-0-6-0)	3	--	4	7	
33.	Prof. P. A. Patil	FE	BEE (3-0-2-0)	6	--	12	18	18
34.	Prof. S. P. Gopnarayan	FE	BEE (3-0-2-0)	6	--	12	18	18
35.	Prof. N. S. Warade	M.E.	DCD (4-0-0-0)	4	--	--	4	20
		M.E.	RC (4-0-0-0)	4	--	--	4	
		M.E.	LP (0-0-4-0)	--	--	4	4	
		TE,BE	HONOR SUBJECT	--	--	1	1	
		B.E.(A)	RMT (3-0-2-0)	3	--	4	7	
							Total	**534**

Place: Pune
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AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

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Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

S.NO	Name of Faculty	Class	Subject	Theory	Practical	Tutorial	Total
1	Dr. P. B. Mane	ME	WSN	5			9
		ME	Project		2		
		BE	Project		2		
2	Dr. D. K. Shedge	SEC	SS	3	3	3	11
		BE	Project		2		
3	Dr. M. P. Sardey	SE A	CS	3	6		11
		BE	Project		2		
4	Dr. V. K. Bairagi	SE A	PCS	3			12
		TE A	MP		4		
		PhD	RM	3			
		BE	Project		2		
5	Dr. S. B. Dhonde	BE	WSN	3			13
		TE C	MP		8		
		BE	Project		2		
6	Dr. M. S. Vanjale	SE B	ESD		6		11
		BE	Robotics	3			
		BE	Project		2		
7	Mrs. H. D. Shinde	SE A	SS	3	3	3	17
		TE D	MP		6		
		BE	Project		2		
8	Dr. S. A. Panwar	BE	ML	3	8		17
		TE D	MP		4		
		BE	Project		2		
9	Mr. V. N. Ghodke	BE	AVE	3	6		16
		BE	AVE	3	2		
		BE	Project		2		
10.	Mrs. V. K. Patil	BE A	MC	3	6		15
		TE C	MP		4		
		BE	Project		2		
11.	Mr. M. P. Gajare	SE A	PBL		12		17
		TE A	PM		3		
		BE	Project		2		
12.	Mrs. M. S. Koban	BE	ML	3	2		17
		BE	AVE		6		
		TE D	PDC		2		
		TE A	MP		2		
		BE	Project		2		
13.	Mr. D. A. Itole	TE B	PM	3			17
		TE B	MP		12		
		BE	Project		2		
14.	Mr. S. B. Pokharkar	BE D	BCS	4	6		16
		BE B	BCS		6		
15.	Mr. S. R. Kokane	SE C	PBL		12		17
		TE C	PM	3			
		BE	Project		2		
16.	Mrs.D. M. Yewale	BCS	DBMS	4	6		16

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		BCS	BE B	4			
		BE	Project		2		
17.	Mrs. S. S. Nikam	BE C	BCS	4	6		16
		BE C	MC		4		
		TE C	MP		2		
18.	Mrs. S. V. Lohar	TE A	CN	3	6		17
		TE B	CN	3	2		
		BE	Project		2		
19.	Mr.S. H. Lavate	TE B	PDC	3	6		16
		TE D	PDC	3	4		
20.	Mrs.Vineeta Philip	SE A	ESD	2	6		17
		SE A	ESD	2			
		BE A	RES	3			
		TE C	PDC		2		
		BE	Project		2		
21.	Mr.R.N.Jadhav	SE A	OOP	3	6		17
		SE A	DAL		6		
		BE	Project		2		
22.	Mr. C. K. Bhange	BE C	MC	3	6		16
		BE D	MC	3	2		
		BE	Project		2		
23.	Ms. S. O. Ahire	TE C	NS	3	6		16
		TE C	NS	3	4		
24.	Mrs. H. B. Magar	BE B	MC	3	6		17
		TE B	CN		4		
		SE C	PCS		2		
		BE	Project		2		
25.	Mrs. A. S. Ubale	SE C	PCS	3	6		16
		BE	RES	3			
		SE A	PCS		4		
26.	Mr. V. J. Desai	SE C	OOP	3	6		17
		SE C	DAL		6		
		SE, TE	Audit Course			2	
27.	Mr. S. R. Pawar	SE C	CS	3			16
		TE C	CN		4		
		TE A	MP		4		
		TE D	MP		2		
		TE D	NS		2		
		BE	Audit Course		1		
28.	Mrs. G. D. Salunke	TE A	PDC	3	6		16
		TE C	PDC	3	4		
29.	Mr. A. A. Chaudhari	TE D	CN	3	6		16
		TE C	CN	3	2		
		BE	Project		2		
30.	Mr. S. D. Bhopale	BE	RES	3			16
		TE D	PM	3			
		TE	AIP		10		

Place: Pune
Date: 20 April 2022

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Dr Pradeep B Mane
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AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PNE/Engg 124/1998

31.	Mr. P. A. Patil	FE	BEE	3	6		18
		FE	BEE	3	6		
32.	Mrs. S. P. Gopnarayan	FE	BEE	3	6		18
		FE	BEE	3	6		
33.	Mrs. N. S. Warade	ME	RC	4			21
		ME	DCD	4			
		ME	LP1		4		
		FE	BEE	3	6		
34.	Dr. Archana Kanwade	ME	ESD	4			16
		ME	RM	4			
		TE	AJP	3	2		
		TE	AJP	3			

Department Of Information Technology
Load Distribution Sem.-I 2021-22

S.NO	Name of Faculty	Subject	Class	Theory	Practical	Total	Sign
1	Dr. Meenakshi A Thalor	OOP	SE	3	8	15	
		SS	SE		2		
		Project	BE		2		
2	Pritesh A Pati	ADBMS(E-1)	TE	3		16	
		Lab Practice -I	TE		6		
		Ethics and Value	SE	1			
		SS	SE		4		
		Project	BE		2		
3	R. A. Jamadar (SE- GFM)	DSA	SE	3		17	
		DSAL	TE		12		
		Project	BE		2		
4	A. S. Phapale	OS	TE	4	12	18	
		Project	BE		2		
5	P.P.Mahale (TE GFM)	SDM	SE	3		16	
		HCI	TE	3	6		
		CL-7	BE		2		
		Project	BE		2		
6	Mr. J. B. Patil (Project Coordinator)	ICS	BE	4		17	
		CL-7	BE		2		
		DSA(ENTC)	SE	3	6		
		Project	BE		2		
7	J.C.Pasalkar (BE GFM)	TOC	TE	3		18	
		CL-8	BE		6		
		OOPL	SE		4		
		STQA(E-2)	BE	3			
		Project	BE		2		
8	Ms. R. P. Saste	ML	BE	3		16	
		Lab Practice -I	TE		6		
		ML	BE	4			

Place: Pune
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AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

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Dr Pradeep B Mane
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		Seminar	TE		3		
9.	Mr. M.P.Pathak	BCN	SE	3		16	
		Elective-I(BAI)	BE	3			
		Project	BE		2		
		CL-7			8		
10.	Sagar Pokharkar	COLD	SE	3	6	9	
11.	Madhuri B. Thorat	DM	SE	3	3(Tuts)	15	
		CL-8	BE		6		

Department Of Information Technology
Load Distribution Sem.-II 2021-22

S.NO	Name of Faculty	Subject	Class	Theory	Practical	Total	Sign
1.	Dr. Meenakshi A Thalor	EL-IV(SMA)	BE	03		11	
		PBL	SE		06		
		Project	BE		02		
2.	Mr.Pritesh A Patil	DBMS	SE	03		17	
		DBMSL	SE		12		
		Project	BE		02		
3.	Mr.R. A. Jamadar (SE GFM)	SE	SE	03		17	
		EL-III(IWP)	BE	03	06		
		PBL	SE		04		
		Audit Course	SE	01			
4.	Mrs.A. S.Phapale	DSBD	TE	03	06	17	
		Internship	TE		06		
		Project	BE		02		
5.	Mrs.P.P.Mahale (TE GFM)	WAD	TE	03		16	
		LP-2	TE		10		
		Audit course	TE	01			
		Project	BE		02		
6.	Mrs. R.Y.Totare (Project Coordinator)	CNS	TE	03		17	
		CNSL	TE		12		
		Project	BE		02		
7.	Mrs. J.C.Pasalkar (BE GFM)	EI-2(CC)	TE	03		17	
		UC	BE	03			
		CL-10	BE		06		
		Internship	TE		02		
		Project	BE		02		
		Audit Course	BE	01			
8.	Ms. V.R.Dhanokar	PAI	SE	03		18	
		PSDL	SE		06		
		PBL	SE		02		
		PPS(Sem-II)	FE	03	02		
		LP-2	TE		02		
9.	Dr.M.K.Pathak	DCS	BE	03		17	
		CL-9	BE		12		

Place: Pune
Date: 20 April 2022

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Dr Pradeep B Mane
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		Project	BE		02		
10.	Ms.Madhuri Thorat	CG	SE	03		19	
		CGL	SE		06		
		PPS(Sem-II)			08		
		Internship	TE		02		
11.	P.B.Wakhare	PPS (SEM-I & SEM-II)	FE	06	10	16	
12.	V.S.KatakDound	PPS (SEM-I & SEM-II)	FE	06	10	16	

Department Of Artificial Intelligence & Data Scienc
Load Distribution Sem.-I 2021-22

Sr. No	Name of Faculty	Class	Subject	Theory	Practical	Tut	Total
1	Dr. S.V.Limkar	SE-A	OS	3	6		12
		SE-B	OS	3			
2	Dr.R.B.Dhumale (GFM-SE-B)	SE-A	DSA	3			18
		SE-B	DSA	3	12		
3	Mr.S.V.Gawai	SE-A	OOP	3	12		19
		SE-B	OOP	3			
		SE-B	HSS			1	
4	Ms.P.S.Shahane	SE-B	CG	3			17
		SE	OSL		6		
		SE-B	BCS		8		
5	Mrs.P.S.Bhondve	SE-A	CG	3			19
		SE-A	DSL		12		
		SE-A	BCS		4		
6	Ms.D.P.Babar (GFM-SE-A)	SE-A	DM	3			19
		SE-B	DM	3			
		SE-A	CGL		6		
		SE-B	CGL	6			
		SE-A	HSS			1	

Department Of Artificial Intelligence & Data Scienc
Load Distribution Sem.-II 2021-22

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

Sr No.	Name of Faculty	Class	Subject	Theory	Practical	Tutorial	Total
1	Dr.S.V.Limkar	SE-B	SE	3			11
		SE-B	PBL-II		8		
2	Dr.R.B.Dhumale	SE-A	IOT	3	8		15
		SE-B	IOT	3			
		SE-B	CC			1	
3	Mr.S.V.Gawai [GFM - S.E.AI & DS - A]	SE-A	DSA	3	12		18
		SE-B	DSA	3			
4	Ms.P.S.Shahane	SE-A	IOT		4		18
		SE-B	IOT		12		
		SE-B	PBL-II		2		
5	Mrs.P.S.Khandebharad [GFM - S.E.AI & DS - B]	SE-A	MIS	3			18
		SE-B	MIS	3			
		SE-B	DSA		12		
6	Ms.D.P.Babar	SE-A	SE	3			18
		SE-A	PBL II		12		
		SE-B	PBL II		2		
		SE-A	CC			1	

Department Of Engineering Science
Load Distribution Sem.-I 2021-22

r.No	ame of Staff	Subject	lass	heory	ractical	utorial	otal Load /Week
1	Dr. P.G. Musrif	Engineering Physics	FE	4	8		12
2	Mr. S.V. Arlikar	Engineering Physics	FE	8	10		18
3	Dr.A.R.Deshmukh	Engineering Physics	FE	4	6+6 (COE)		16
4	Dr.Y.P.Patil	ngineering Chemistry	FE	8	6		14
5	Dr.Nidhi Sharma	ngineering Chemistry	FE	8	10		18
6	Mr.P.G.Mahajan	ngineering Chemistry	FE	4	14		18
7	Mrs.G.N.Mawale	ngineering Mechanics	FE	3	8		17
	Mrs.A.N.Khan	Audit Course-I		6			
		ngineering Mechanics	E	6	10		16
9	Mr.A.H.Raheja	ngineering Mechanics	FE	3	8		17
		Audit Course-I		6			
10	Mrs. A.V.Diwalkar	ngineering Mechanics	FE	3	4		16
		Audit Course-I	SE	6			
		nviourmental Science		3			
11	Dr.K.G.Wadikar	Engineering	SE	11		6	17
12	Mr. V.V. Shinde	Mathematics-III (E	SE				

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

		&TC)	FE				
		Engineering Mathematics-III (Instu)		3		3	17
		Engineering Mathematics-I		4		7	
		Engineering Mathematics-I		12		5	17
13	Mr. P.S. Gaur	Engineering Mathematics-I	FE	12		5	17
14	Mr. P. B. Shinde	Engineering Mathematics-I	FE	8		9	17
15	Mr.D.S.Shelar	System in Mechanical Engineering	FE	3	6		17
16	Mr.M.B.Nigade		FE				
		WORKSHOP			8		
		System in Mechanical Engineering		3	6		17
8	Mr. A. J. More	WORKSHOP	E		8		
	Mr. P.S. Rathod	System in Mechanical Engineering	E	6	8		16
		WORKSHOP			2		
		System in Mechanical Engineering	FE	3	8		17
19	Mr. S.S. Gadadhe	WORKSHOP	SE		6		
20	Mr.N.P.Bhone	System in Mechanical Engineering	FE	3	8		17
		WORKSHOP	FE		6		
21	Mr. D.D. Pise	System in Mechanical Engineering	FE	3	6		17
		WORKSHOP			8		
22	Ir.NaseemKhayyum	System in Mechanical Engineering	FE	3	6		17
		WORKSHOP			8		
	Mr. A.S. Apate	System in Mechanical Engineering	FE	3	6		17
		WORKSHOP			8		
	Mr. P.A. Patil	Basic Electronics Engineering	FE	6	12		18
25	Mrs. S.P. Gopanarayan	Basic Electronics Engineering	FE	6	12		18
26	Mr.NilimaWarade	Basic Electronics Engineering	FE	3	6		9
28	Mr. S.D. Raste	Basic Electrical Engineering	FE	6	12		18
29	Mr.S.S.Shingare	Basic Electrical Engineering	FE	6	12		18
30	Mr.P.B.Wakhare	Programming and Problem Solving	FE	6	12		18
31	Mr.V.S.Katakdaund	Programming and	FE	6	12		18

Place: Pune
Date: 20 April 2022

INSTITUTE OF INFORMATION TECHNOLOGY * AISSMS * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

		Problem Solving					
1	Dr. P.G. Musrif	Engineering Physics	FE	4	8		12
2	Mr. S.V. Arlikar	Engineering Physics	FE	8	10		18
3	Dr.A.R.Deshmukh	Engineering Physics	FE	4	6+6 (COE)		16
4	Dr.Y.P.Patil	Engineering Chemistry	FE	8	6		14
5	Dr.Nidhi Sharma	Engineering Chemistry	FE	8	10		18
6	Mr.P.G.Mahajan	Engineering Chemistry	FE	4	14		18
7	Mrs.G.N.Mawale	Engineering Mechanics	FE	3	8		17
		Audit Course-I		6			
8	Mrs.A.N.Khan	Engineering Mechanics	FE	6	10		16
9	Mr.A.H.Rahcja	Engineering Mechanics	FE	3	8		17
		Audit Course-I		6			
10	Mrs.A.V.Diwalkar	Engineering Mechanics	FE	3	4		16
		Audit Course-I		6			

Department of Engineering Science
Load Distribution Sem.-II 2021-22)

Sr.No	Name of Staff	Subject	Class	Theory	Batches	Practical	Tutorial	Total Load /Week
1	Dr. P.G. Musrif	Engineering Physics	FE	4	5	10		14
2	Mr. S.V. Arlikar	Engineering Physics	FE	8	5	10		20
		Project Based Learning			1	2		
3	Dr.A.R.Deshmukh	Engineering Physics	FE	8	5	10		20
		Project Based Learning			1	2		
4	Dr.Y.P.Patil	Engineering Chemistry	FE	4	5	10		16
		Project Based Learning			1	2		
5	Dr.Nidhi Sharma	Engineering Chemistry	FE	8	5	10		20
		Project Based Learning			1	2		
6	Mr.P.G.Mahajan	Engineering Chemistry	FE	4	3	6		20
		Indian Constitution Laws		10				
7	Mrs.G.N.Mawale	Engineering Mechanics	FE	3	3	6		21
		Audit Course-II		6		0		
		Project Based			3	6		

Place: Pune
Date: 20 April 2022

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Dr Pradeep B Mane
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		Learning						
8	Mrs.A.N.Khan	Engineering Mechanics	FE	3	3	6		21
		Audit Course-II		4		4		
		Project Based Learning			4	8		
9	Mr.A.H.Raheja	Engineering Mechanics	FE	3	3	6		21
		Audit Course-II		4		0		
		Indian Constitution Laws		2				
		Project Based Learning			3	6		
10	Mrs. A.V.Diwalkar	Engineering Mechanics	FE	3	3	6		21
		Audit Course-II		4		0		
		Indian Constitution Laws		4		0		
		Project Based Learning			2	4		
11	Dr.K.G.Wadikar	Engineering Mathematics-III (comp)	SE	6		12		18
12	Mr. V.V. Shinde	Engineering Mathematics-III (AIDS)	SE	6		0		18
		Engineering Mathematics-II(IT)	SE	4		0		
		Project Based Learning	FE	0	3	6		
		Indian Constitution Laws	FE	2				
13	Mr. P.S. Gaur	Engineering Mathematics-II	FE	12		0	9	21
14	Mr. P. B. Shinde	Engineering Mathematics-II	FE	12		0	9	21
15	Mr.D.S.Shelar	Engineering Mathematics-II	FE	12		0	9	21
16	Mr.M.B.Nigade	Engineering Graphics	FE	1	3	6	5	20
		Project Based Learning			4	8		
17	Mr. A. J. More	Engineering	FE	1	4	8	3	20

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AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

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		Graphics						
		Project Based Learning			4	8		
18	Mr. P.S. Rathod	Engineering Graphics	FE	1	3	6	1	20
		Project Based Learning			6	12		
19	Mr. S.S. Gadadhe	Engineering Graphics	FE	1	3	6	5	20
		Project Based Learning			4	8		
20	Mr.N.P.Bhone	Engineering Graphics	FE	1	3	6	3	20
		Project Based Learning			5	10		
21	Mr. D.D. Pise	Engineering Graphics	FE	1	4	8	3	20
		Project Based Learning			4	8		
22	Dr.NaseemKhayyum	Engineering Graphics	FE	2	3	6	3	21
		Project Based Learning			5	10		
23	Mr. A.S. Apate	Engineering Graphics	FE	1	4	8	4	21
		Project Based Learning			4	8		
24	Mr. P.A. Patil	Basic Electronics Engineering	FE	6	6	12		18
25	Mrs. S.P. Gopanarayan	Basic Electronics Engineering	FE	6	6	12		18
28	Mr. S.D. Raste	Basic Electrical Engineering	FE	6	6	12		18
29	Mr.S.S.Shingare	Basic Electrical Engineering	FE	6	6	12		18
30	Mr.S.N.Pownikar	Basic Electrical Engineering	FE	3	3	6		9
31	Mr.P.B.Wakhare	Programming and Problem Solving	FE	6	6	12		18
32	Mr.VikjasKatkdaund	Programming and Problem Solving	FE	6	6	12		18
33	Mrs.Thorat M.B	Programming and Problem Solving	FE	3	3	6		9

Place: Pune
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AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

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Internal Continuous Evaluation System

The Institute adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

The institute follows the examination pattern of the affiliating University. Institute first prepares annual academic calendar before the commencement of the term and then it is circulated to all the departments. Department Coordinator of Academic Calendar takes the responsibility to complete the department calendar in association with all the faculty member members.

Apart from mandatory University examination, many other Continuous Internal Evaluations are being followed by the institute.Internal evaluation is carried out with respect to following points.

- Unit test is arranged after the completion of every unit. Unit test papers are evaluated by respective faculty member members and the student having poor performance are asked to complete the additional task assigned by the faculty member.
- Similarly, assignments are given after the completion of every unit. Faculty memberdoes the evaluation based on timely submission and correctness of the answers.
- Mock orals are organised for subjects having practical/oral/term work as the examination head. Faculty members evaluate the students based on timely submission, presentation and understanding.
- Mock practical examination is also organised after the completion of all practical, in order to make students ready for practical examination.
- Progress presentations and mock demonstrationof the projects are organised twice in each semester for students of 3rd year and final year.
- Project exhibition is organized for final demonstrationand external assessor areinvited to assess the performance of students.

Apart from technical internal examinations, students are also assessed based on their participation in curricular/co-curricular/extra-curricular activities. Students showcase their talent on various platforms provided by institute like national level technical festival - "ALACRITY" anddepartment level events organized by students' association.

This complete process of internal performance evaluation is used by faculty members to identify slow and advanced learners in their respective subjects. Counselling is done for slow learners and they are encouraged to improve their performance. Counselling sessions found to be very useful to overcome personal issues, academic and non-academic problems.

Student's assessment of Faculty, System in place

The Students' assessment on faculty performance is obtained twice in each semester i.e. four time in a year. The feedback is analyzed at the level of Heads of the Department and corrective measures are taken whenever appropriate.

Place: Pune
Date: 20 April 2022

AISSMS's INSTITUTE OF INFORMATION TECHNOLOGY • PUNE • UoP Id. No. PU/PN/Engg 124/1998

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For each Post Graduate (PG) Course give the following

Title of the Course	1) ME - Electrical Engineering (Power Electronics and Drives) 2)ME - Electronics and Telecommunication Engineering (VLSI and Embedded Systems

Curricula and Syllabi	M.E. ELECTRICAL (Power Electronics and Drives) http://collegecirculars.unipune.ac.in/sites/documents/Syllabus%202017/ME%20Electrical%20Power%20Electronics%20and%20Drives%202017_3-5-17.pdf?Mobile=1&Source=%2Fsites%2Fdocuments%2F%5Flayouts%2Fmobile%2Fview%2Easpx%3FList%3De5b03ac3%252D89a3%252D4ec3%252Da34e%252D9715d7892e28%26View%3D213e534b%252Dec05%252D4dc9%252D83c2%252D850dc79f85ef%26CurrentPage%3D1 M.E. E& TC (VLSI and Embedded Systems) http://collegecirculars.unipune.ac.in/sites/documents/Syllabus%202017/ME-EandTC-VLSI%20and%20Emb%20Systems%202017_3-5-17.pdf

Laboratory facilities exclusive to the Post Graduate Course
Electrical

Sr. No.	Name of the Equipment	Description/Features of the Equipment
1	Power Quality and Energy Analyzer	Fluke 435-II Flicker, Transients, Power Wave, Mains Signaling, Wave Event, Rms Event, and 0.1 % voltage input accuracy. Moreover Fluke 437-II has additional features such as Shipboard V/A/Hz and the possibility to measure in 400 Hz power systems, and has a heavy duty Hard Case with rollers. Energy loss calculator inbuilt.
2	Fluke Current Probe	5A AC-3 Pack

Laboratory facilities exclusive to the Post Graduate Course
E&TC

Sr. No.	Name of the Equipment	Description/Features of the Equipment
1	TMS 320C6713 Starter kit along with CCS	Embedded JTAG support via USB, High-quality 24-bit stereo codec, Four 3.5mm audio jacks for microphone, line in, speaker and line out, 512K words of Flash and 16 MB SDRAM, Expansion port connector for plug-in modules, On-board standard IEEE JTAG interface, +5V universal power supply
2	ARM Cortex LPC 1768 trainer Board	Controller: CORTEX M3 Based LPC1768 from NXP, Clock Used: 12MHz for Controller, Power: On Board, Stackable daughter board LPC1768, interfacing LED's. 1 * 4 interfacing keys. 4* 4 interfacing keypad matrix. Two channel RS232 port for communication.3 ADC potentiometer input interface.16X2 LCD interface. On Board

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Date: 20 April 2022

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		Power supply 3.3V, 5V 12V, GND.8 pin DIP switches.On board voltage level converter, ON board 2 channels CAN interface.
3.	Sparten-6 FPGA Board	500 k system gates, 3840 logic cells , 4800 flipflops, 75K distributed RAM, 216 Kb block RAM, FPGA-IC in a TQG 144, Pin package with 102 I/O lines, I/O tolerant 3.3 V, Volatile device
4.	LENOVO Desktop PC	V520-15IKL- 10NLS08Uoo i3 7th Generation, 4GB RAM, 1 TB HDD, DVDRW, KB, Mouse, windows PRO 18.5

Special Purpose
Software, All Design tools in case
Electrical

Sr. No.	Name of the Software	Description/Features of the Equipment
1	EDSA	01 User
2	PSIM Software(Academic)	05 Users
3	C Complier	05 Users
4	ETAP 18.1.1 Version	15 Users

E&TC

Sr. No.	Name of the Software	Description/Features of the Equipment
1	Xlinix 9.2 ModelSim XE	Very low cost, high-performance logic solution for high-volume, cost-conscious applications , Dual-range VCCAUX supply simplifies 3.3V-only design Suspend, Hibernate modes reduce system power Multi-voltage, multi-standard, Hierarchical Select RAM
2	MATLAB (15 users)	Basic Matlab, Simulink, Communication Toolbox, Control System Toolbox, Image Processing Toolbox, Signal Processing Toolbox, Sim Power System, RF Toolbox
3	Microwind 3.1 DSCH(15 User)	Microwind3 unifies schematic entry, pattern based simulator, SPICE extraction of schematic, Verilog extractor, layout compilation, on layout mix-signal circuit simulation, cross sectional & 3D viewer, netlist extraction, BSIM4 tutorial on MOS devices and sign-off correlation to deliver unmatched design performance and designer productivity.The package contains a library of common logic and analog ICs to view and simulate

Academic Calendar and frame work

M.E. ELECTRICAL (Power Electronics and Drives)
Academic Year 2021-22

Activity	Date
Commencement of Semester	03/01/2022
Conclusion of Teaching	17/03/2022
Assignment – I [10 marks] Submission	21/01/2022

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

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Unit Test – I on unit 1 & 2 [15 marks] SEM I	24/01/2022 MAME – 1 pm to 2 pm
	25/01/2022 LSTD – 1 pm to 2 pm RM – 3.30 pm to4.30 pm
	27/01/2022 PC I – 1 pm to 2 pm Elective –I (Wind & Solar)- – 3.30 pm to4.30 pm
Elective-1-Module-II -PPT	02/02/2022
Assignment – II [10 marks]] Submission	01/03/2022
Unit Test – II on unit 3 & 4 [15 marks] SEM I	01/03/2022 MAME – 1 pm to 2 pm
	02/03/2022 LSTD – 1 pm to 2 pm RM – 3.30 pm to4.30 pm
	03/03/2022 PC I – 1 pm to 2 pm Elective –I (Wind & Solar)- – 3.30 pm to4.30 pm
Elective-1-Module-II -Report /Assignment Submisssion	04/03/2022
Lab Practice - I Term work certification	15/03/2022

M.E. ELECTRICAL (Power Electronics and Drives)

Academic Year 2021-22

Academic Schedule for conducting the In Semester Continuous Assessment as per SPPU Norms.

Sr. No	Activity	Date
1	Commencement of Semester	17/08/2021
2	Conclusion of Teaching	05/11/2021
3	Assignment – I Submission [10 marks]	26/08/2021
4	Unit Test – I on unit 1 & 2 [15 marks] SEM-II	13/09/2021 to 17/09/2021 i] Special Applications of Power Electronics ii] Energy management and power quality iii) Elective III
5	Assignment – II Submission [10 marks]	20 /09/2021
6	Unit Test – II on unit 3 & 4 [15 marks] SEM II	25/10/2021 to 29/10/2021 i] Special Applications of Power Electronics ii] Energy management and power quality iii) Elective III

Place: Pune
Date: 20 April 2022

INSTITUTE OF INFORMATION TECHNOLOGY * AISSMS * PUNE * UoP Id. No. PU/PN/Engg 124/1998

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7	Seminar II- Phase I Project stage-I	02/11/2021
8	Project stage-I+Seminar -II report submission	03/11/2021

ME, Electronics and Telecommunication, (VLSI & ES)
First Year, Academic Year 2021-22

Academic Schedule for conducting the In Semester Continuous Assessment as per SPPU Norms.

Start of Term-I: 03-01-22 End of Term I:17-03-22

Sr. No.	Particular	Marks	Procedure & syllabus	Duration	Dates
1	Assignment -I	5	Minimum 2 questions	--	11-01-22
2	Unit Test-I	15	Closed Book Test in online mode	30 min.	17-01-22 to 21-01-22
3	Open Book Test	10	Open Book and One Module (Specify the Book)in online mode	20 min.	07-02-22 to 11-02-22
4	Unit Test-II	15	Closed Book Testin online mode	30 min.	07-03-22to 11-03-21
5	Assignment -II	5	Minimum 2 questions	--	14-03-22

Insem assessment test schedule.

Sr. No.	Subject	Unit Test 1	Open book test	Unit Test 2	Time
1	Digital CMOS Design	17-01-22	07-02-22	07-03-22	1-2 pm
2	Reconfigurable Computing	18-01-22	08-02-22	08-03-22	1-2 pm
3	Embedded System Design	19-01-22	09-02-22	09-03-22	1-2 pm
4	Research Methodology	20-01-22	10-02-22	10-03-22	1-2 pm
5	Wireless Sensor Networks	21-01-22	11-02-22	11-03-22	1-2 pm

(16) Enrollment of students in the last 3 years

Please refer point 10 "Program"

(17) List of Research Projects/ Consultancy Works

The institute is having PhD research center affiliated to S P Pune University in Electronics and telecommunication branch, with 54 researchers doing their PhD research work. The institute is having 25 faculties with doctoral degree, and 40 faculties are pursuing their PhDs in various research areas. The institute is having 19 funded research projects with total research grant amount of Rs 35,64,000. The institute has power quality cell, through which consultancy work is undertaken by the faculties. The institute has received around Rs 14,00,000 in the form of consultancy fees.

- Number of Projects carried out, funding agency, Grant received

Place: Pune
Date: 20 April 2022

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Sr No.	Branch	Name of the Investigator (s)	Title of the Research Project/Scheme	Name of the funding Agency	Duration of the project/scheme	Amount Sanctioned (Rs.)	Major / Minor	Grant Sanction date
1	Instrumentation	Dr.D.R.Shende	MODROB	AICTE	2 year	12 lakh	Major	23-01-2020
2	Electrical	Sachin Shelar	Development of PQ Experience Center	Smt. Mira Tagare	2 Years	2500000	Major	12-10-2020
3	ALL	Dr. P. B. Mane and Dr. Y. P. Patil	2020 IEEE HAC & SIGHT Projects: Response to COVID - 19	IEEE	06 months	$4418	Mini	25-06-2020
4	ALL	Dr. P. B. Mane and Dr. Y. P. Patil	S.E.T.U – Smart Educational Training Unit SPDP-Skill and Personality Development Programme Centre for SC/ST Students	A.I.C.T.E. GoI	36 months	INR 846,411	Major	03-03-2020
5	ALL	Dr. P. B. Mane and Dr. Y. P. Patil	AICTE-SPICES: Scheme for Promoting Interests, Creativity and Ethics among Students (SPICES)	A.I.C.T.E. GoI	12 months	INR 100,000	MINOR	09-04-2021

Place: Pune
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➢ Number of Consultancy Works

i) Consultancy					
Sr No	**Date From**	**Date To**	**Consultancy For**	**Industry**	**Supporting Staff**
1	10-06-2020	30-06-2020	Messung Systems	Messung Systems	Prof S.V.Shelar
2	10-07-2020	10-07-2020	VIT College	VIT College	Prof S.V.Shelar
3	10-07-2020	10-07-2020	VIT College	VIT College	Prof S.V.Shelar
4	27-07-2020	29-07-2020	Reflexis systems India Pvt Ltd	Reflexis systems India Pvt Ltd	Prof S.V.Shelar
5	01-08-2020	01-08-2020	Subodhan Engineers Pvt Ltd	Viraj Engineer	Prof S.V.Shelar
6	02-09-2020	02-09-2020	Shubhshree Enterprises	OTPI Components Pvt Ltd	Prof S.V.Shelar
7	14-10-2020	14-10-2020	Subodhan Engineers Pvt Ltd	Rucha Engineering	Prof S.V.Shelar
8	29-Jun-20	12-09-2020	Messung Systems	Messung Systems	Prof S.V.Shelar
9	20-10-2020	21-10-2020	Messung Systems	Stamco Steel	Prof S.V.Shelar
10	14-10-2020	27-10-2020	SAS Powertech Pvt Ltd	CDAC Pune	Prof S.V.Shelar
11	20-06-2020	20-12-2020	Sapeksh Technologies Pvt Ltd	Sapeksh Technologies Pvt Ltd	Mr. S. V. Shelar S M Shaikh
12	04-03-2021	07-03-2021	Subodhan Engineers Pvt Ltd	Varroc Polymers Pvt. Ltd	--
13	02-12-2020	02-12-2020	400KVJejuri Substation	--	Mr. S. V. Shelar Dr. S. M. Bakre
14	11-03-2021	11-03-2021	400KVLonikand Substation I and II (PQ Measurement and analysis	-	Mr. S. V. Shelar Dr. S. M. Bakre
15	05-12-2020	05-12-2020	132KVMarkalSuubstation	--	Mr. S. V. Shelar

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

					Dr. S. M. Bakre
16	20-06-2020	20-12-2020	Sapeksh Technologies Pvt Ltd	Sapeksh Technologies Pvt Ltd	Mr. S. V. Shelar
					S M Shaikh
17	04-03-2021	07-03-2021	Subodhan Engineers Pvt Ltd	Varroc Polymers Pvt. Ltd	--
18	02-12-2020	02-12-2020	400KVJejuri Substation	--	Mr. S. V. Shelar
					Dr. S. M. Bakre
19	11-03-2021	11-03-2021	400KVLonikand Substation I and II	-	Mr. S. V. Shelar
			(PQ Measurement and analysis		Dr. S. M. Bakre
20	05-12-2020	05-12-2020	132KVMarkalSuubstation	--	Mr. S. V. Shelar
					Dr. S. M. Bakre

MoUs with Industries

Sr. No.	Department	Industry	Resource persons	Area of Interaction	Activities conducted
1	Instrumentation Engineering	Emersion India Pvt.Ltd	Mr.Abhay Bansod	DCS DeltaV	Instrumentation Engineering
2	IT	Cloud Counsela ge Pvt. Ltd., Mumbai	HarshadaTopale	Career Services	Talk on Skill and Employability Enhancement
3	IT	I-made	Ashish Sing ,Sheba Joe	Application Development and Digital Campus	App Development AISSMS IOIT DIGITAL CAMPUS
4	IT	The Scholars Higher Educatio n Route	Mr. Mukul Sarang	Higher education Abroad and training with respect to ELTS,TOEFL,PTE,CELPI P,GRE,GMAT,SAT,OET,P ersonality development Training,Job Oriented Training	Webinar on Career opportunities overseas under study circle

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5	IT	Oytic Pvt. Ltd	Mr. Sanjay Kharka	Aurora tower East wing, office no 313, 3rd Floor, MG Road, Camp, Pune-411001, Maharashtra	Webinar/Seminar/Workshops/Training
6	Computer	Oracle	Divya Yadav , Project Coordinator	Providing online courses, workshops and trainings to students and faculties	1. Virtual One Day Workshop on "Getting Started with Java Using Alice"
					2. Four days virtual training on "Java Fundamentals"
					3. Three days virtual training on "Database Foundation"
					4.Online Course on course on "Artificial Intelligence with Machine Learning in Java"
					5. Online course on "Java Foundation"
					6.Online course on "Database Programming with PL/SQL

Place: Pune
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AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

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7	E & TC	Gustovalley Technovations LLP, Hosur	Maheshwari A Director	Embedded systems, Internet of Things,	One month Internship on Industry 4.0 From 03/03/2021 to 03/04/2021
8	E&TC	ETHNUS Consultancy Pvt Ltd	Ms Pratibha Shinoy	Goal setting	05-02-2021
9	E & TC	Gustovalley Technovations LLP, Hosur	Maheshwari A Director	Embedded systems, Internet of Things,	One month Internship on Industry 4.0 From 03/03/2021 to 03/04/2021
10	Electrical	Messung System Pvt.Ltd	Mr. Farook Merchant	Expert lecture, Internship, Energy/Power Quality Audit, Project	webinar on Augmented Reality In Digital Marketing by Max Lu Director Academic Partnership And Research Los Angeles, United Stateson 13th Jul-20
11	Electrical	PqExcel solutions LLP	Mr.AmeyPataskar	Skill based training, education and research and development, curriculum design, industrial training and visits, internship and placement, expert lecture and FDP.	New MoU signed on 1st March 2021

Place: Pune
Date: 20 April 2022

INSTITUTE OF INFORMATION TECHNOLOGY * AISSMS * PUNE
UoP Id. No. PU/PN/Engg 124/1998

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12	Electrical	Messung System Pvt. LTd.	Mr. Farook Merchant	Placements,	Placement interview conducted for 2 week duration 4/11/2020-20/11/2020
13	Electrical	Messung System Pvt. LTd.	Mr. Farook Merchant	Power quality audit	Power quality audit for 2 days-20/10/2020-21/10/2020
14	Electrical	BHASHA Technologies Pvt. Ltd.	Ms.BhagyashriSharangpani	Expert lecture, workshops etc.	Donation of books and components-Nov.2020
15	Electrical	Madhav Capacitors Pvt. Ltd	Mr. B D Nikam	Power quality audits	Conducted Reactive power audit for 2 days- 31/10/2020-01/11/2020
16	ALL	B. J. Medical College	Dr. Karyakarte	Pathogen Testing	Validation of UVC Disinfection Machine

(18) LOA and subsequent EOA till the current Academic Year

Sr No	Year	Savitribai Phule Pune University LOA No & date	Remarks
1	1999-2000	Ref. No. CA/2281 dated 28-05-1999	
2	2001-2002	Ref. No. CA/5773 dated 15-12-2000	
3	2002-2003	Ref. No. CA/1487 dated 11-01-2002	
4	2002-2003	Ref. No. CA/1382 dated 11-01-2002	
5	2002-2003	Ref. No. CA/1471 dated 13-02-2002	
6	2003-2004	Ref. No. CA/290 dated 16-01-2003	
7	2005-2006	Ref. No. CA/558 dated 12-01-2005	
8	2006-2007	Ref. No. CA/780 dated 07-01-2006	
9	2006-2007	Ref. No. CA/8553 dated 12-12-2006	Additional Intake
10	2007-2008	Ref. No. CA/4046 dated 05-06-2008	
11	2007-2008	Ref. No. CA/6146 dated 24-10-2009	
12	2008-2009	Ref. No. CA/5271 dated 20-06-2008	Additional Course
13	2008-2009	Ref. No. CA/1242 dated 28-03-2009	Additinal Course
14	2008-2009	Ref. No. CA/347 dated 21-01-2010	

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
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15	2009-2010	Ref. No. CA/1625 dated 16-04-2010	
16	2009-2010	Ref. No. CA/4176 dated 09-10-2010	
	2010-2011	Ref. No. CA/274 dated 31-01-2011	
17	2010-2011	Ref. No. CA/538 dated 23-06-2012	
18	2011-2012	Ref. No. CA/2117 dated 16-05-2012	
19	2011-2012	Ref. No. CA/286 dated 17-01-2013	
20	2012-2013	Ref. No. CA/3229 dated 25-10-2012	
21	2012-2013	Ref. No. CA/1189 dated 08-06-2013	Additional Intake
22	2012-2013	Ref. No. CA/1103 dated 29-05-2013	
23	2012-2013	Ref. No. CA/1486 dated 24-06-2013 (BE Computer, Electrical, Electronics, Instumentation Engineering)	Permanant Affilation
24	2012-2013	Ref. No. CA/4236 dated 09-05-2014	
25	2013-2014	Ref. No. CA/3006 dated 17-10-2013	Additional Course
26	2013-2014	Ref. No. CA/4254 dated 10-05-2014	Additional Course
27	2013-2014	Ref. No. CA/4131 dated 08-05-2014	
28	2013-2014	Ref. No. CA/5972 dated 16-06-2014	
29	2014-2017	Ref. No. CA/8693 dated 16-12-2014 (Research Center)	PhD Electronics
30	2014-2015	Ref. No. CA/4361 dated 21-05-2014	
31	2014-2015	Ref. No. CA/5971 dated 16-06-2014	
32	2015-2016	Ref. No. CA/1283 dated 30-03-2015	
33	2015-2016	Ref. No. CA/1810 dated 08-05-2015	
34	2016-2017	Ref. No. CA/553 dated 18-03-2016	
35	2016-2017	Ref. No. CA/1357 dated 26-05-2016	
36	2016-2020	Ref. No. CA/3795 dated 12-11-2016 (Research Center)	PhD Electronics
37	2017-2018	Ref. No. CA/1008 dated 26-07-2017	
38	2017-2018	Ref. No. CA/571 dated 05-04-2018	
39	2018-2019	Ref. No. CA/2242 dated 19-09-2018	
40	2018-2019	Ref. No. CA/345 dated 07-03-2022	
41	2019-2020	Ref. No. CA/581 dated 14-05-2019	
42	2019-2020	Ref. No. CA/349 dated 07-03-2022	
43	2019-2020	Ref. No. CA/1699 dated 12-12-2019 (ME E&TC, ME Electrical, BE Information Technology, E&TC Ist and IInd Division, E&TC IInd Shift, Computer IInd Shift)	Permanant Affilation
44	2020-21	Ref. No.CA/531 Dated05-08-2020	
45	2020-21	Ref.No. CA/639 Dated 07-09-2020	Additional Course
46	2020-21	Ref.No. CA/690 Dated 06-10-2020	Additional Course
47	2020-21	Ref.No. CA524 Dated 17-05-2021(Research Center)	PhD Electronics
48	2021-22	Ref.No. CA944 Dated 23-07-2021	

Sr No	Year	AICTE EOA No.& date	Remarks
1	1999-2000	F.No. 740-89-326 (E)/ET/98, dated 06-10-1998	
2	2000-2001	F.No. 740-89-326 (E)/ET/98, dated 02-11-2000	
3	2001-2002	F.No. 740-89-326 (E)/ET/98, dated 18-06-2001	
4	2002-2003	F.No. 740-89-326 (E)/ET/98, dated 14-06-2002	
5	2003-2004	F.No. 740-89-326 (E)/ET/98, dated 13-06-2003	
6	2004-2005	F.No. 740-89-326 (E)/ET/98, dated 14-05-2004	

Place: Pune
Date: 20 April 2022

INSTITUTE OF INFORMATION TECHNOLOGY AISSMS PUNE UoP Id. No PU/PN/Engg 124/1998

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7	2005-2006	F.No. 740-89-326 (E)/ET/98, dated 24-06-2005	
8	2006-2007	F.No. 740-89-326 (E)/ET/98, dated 19-05-2006	
9	2006-2007	F.No. 740-89-326 (E)/ET/98, dated 26-06-2006	Additional Intake
10	2007-2008	F.No. 740-89-326 (E)/ET/98, dated 20-06-2007	
11	2007-2008	F.No. 740-89-326 (E)/ET/98, dated 27-07-2007	
12	2008-2011	F.No. 740-89-326 (E)/ET/98, dated 02-05-2008	
13	2008-2011	F.No. 740-89-201 (E)/RC/94, dated 30-06-2008	Additional Course
14	2009-2011	F.No. Western Region ,Maharashtra/1-5165001/2010/EOA dated 23-08-2010	
15	2009-2011	F.No. Western Region ,Maharashtra/1-5165001/2010/EOA dated 08-11-2010	Corrigendum
16	2011-2012	F.No. Western/1-416817241/2011/EOA dated 01-09-2011	
17	2012-2013	F.No. Western/1-688321571/2012/EOA dated 10-05-2012	
18	2013-2014	F.No. Western/1-1443602982/2013/EOA dated 19-03-2013	
19	2014-2015	F.No. Western/1-2013664701/2014/EOA dated 04-06-2014	
20	2015-2016	F.No. Western/1-2452208260/2015/EOA dated 07-04-2015	
21	2016-2017	F.No. Western/1-2809673099/2016/EOA dated 05-04-2016	
22	2017-2018	F.No. Western/1-3323442416/2017/EOA dated 30-03-2017	
23	2017-2018	F.No. Western/1-3323442416/2017/EOA/corrigendum-1 dated 27-05-2017	Corrigendum
24	2018-2019	F.No. Western/1-3508478691/2018/EOA dated 04-04-2018	
25	2019-2020	F.No. Western/1-4259373949/2019/EOA dated 10-04-2019	
26	2020-2021	F.No. Western/1-7014342244/2020/EOA dated 15.06.2020	
27	2021-2022	F.No. Western/1-9318519279/2021/EOA dated 25.06.2021	

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Date: 20 April 2022

INSTITUTE OF INFORMATION TECHNOLOGY AISSMS PUNE
UoP Id. No. PU/PN/Engg 124/1998

(Authorized Signature)
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(19) Accounted audited statement for the last three years (2016-2017, 2017-2018 & 2018-2019)

Income and expenditure:

Sr No	Income	2018-2019	2019-2020	2020-2021
1	Income From Central Govt			
2	Income From UGC			
3	Income From State Govt			
4	Income From Other Bodies			
5	Income From Student Fees	185596845.00	205566286.00	251582741.00
6	Income From Other/ Internal Revenue	1356266.00	1114155.00	960325.00
7	Income From Donations			
Total Income		**186953111.00**	**206680441.00**	**252543066.00**

Sr No	Expenditure	2018-2019	2019-2020	2020-2021
1	Salary Teaching Staff	103128111.00	104642389.00	102214498.00
2	Equipment	1297540.00	5368757.00	3315108.00
3	Rmuneration to Visiting/Guest	149120.00	370292.00	1181436.00
4	Building Maintenance	4297262.00	6807367.00	4518478.00
5	Salary Non-teaching Staff	22696051.00	25554048.00	25392122.00
6	Other Expenditure	56216144.85	48372761.01	53393757.00
7	Library	1686497.00	1179964.75	2008509.25
Total Expenditure		**189470725.85**	**192295578.76**	**245417665.00**

(20) Best Practices adopted, if any

- **Use of Language Lab software**: For improvement in reading and verbal communication skills of the students language lab software is used.
- **Open Course Ware (OCW)** assignment: Students are asked to watch video lectures available on open course ware modules and write brief description of it in the prescribed format as an assignment. This improves the listening and writing skills of the students.
- **50-10 module**: During a 60 minutes lecture, 50 minutes are for teaching by the faculty member and 10 minutes are given to student to summarize the contents. This improves the presentation skills, verbal skills and confidence of the students.
- **Library hour**: Every week library hour is incorporated in regular time table to instill self-learning habit. The students refer to books/journals and write summary of the contents read. This helps to improve the written communication skills of the students.
- **Lexicon Power**: Every day a new word and its meaning is written on a display board to improve the vocabulary of students.
- **Campus to corporate readiness program**: To inculcate employability skills in the students, various programs are conducted at institute level in collaboration with reputed industries like Forbes Marshall, Institute of Holistic Healing etc.

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AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg 124/1998

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(21) Additional Information, if any :

In the academic year 2019-2020, the students of AISSMS Institute of Information Technologyachieved a milestone by marking their footprints in International Conference (IEEE YESIST 12- IEEE YESIST12 (Youth Endeavors for Social Innovation Using Sustainable Technology) 2019) at Thailand. A team of eleven students and their mentor,Dr. Y.P.Patil attended this International Project competition at Stamford International University, Thailand on 7th and 8th September 2019.Out of the total four projects presented , 2 projects, 'We power Sanitary disposal' presentedby Tanvi Patil (TE COMP) and Purva Bali(SE ENTC) and 'SACHET'presented by Shreyas Shah(TE ENTC), Ritesh Chaudhary(TE IT), Rishab Bhat(TE IT) secured **second position** and won a cash prizeof 500$ each .The institute successfully organized 2nd**International conference on Emerging Smart Computing & Informatics (ESCI 2020)** from 12th March 2020 to 14th March 2020 .

Dr. Pradeep Mane, Principal, was selected for the coveted '**IETE B R Batra Memorial Award 2019**'by IETE for his leadership and commitments in various fields to make the college nationally recognized .He also received "**Sardar Vallabhbhai Patel National Performer Award**" for the outstanding excellence and remarkable achievements in the field of teaching, research and publications by IRDP Group of Journals.

In the survey conducted by Times Engineering survey 2019, the institute ranked 85th among the Top private engineering institutes in India and 101th among the all (govt. & private) Top 140 Engineering Institutes. The institute was awarded '**Certificate of appreciation**' for being in Top private educational institutions in India-2019 by Business connect magazine.

The NSS unit of the institute was felicitated by Dr. Nitin Karmalkar, Vice Chancellor, Savitribai Phule Pune University(SPPU), Pune for contribution by the volunteers of the college during Alandi-Dehu to Pandharpur Wari and for participation in the 'Guinness Book of World Records' for largest distribution of sapling under the ambit of SPPU , Pune

Dr. Yogesh P. Patil , Associate Professor , First year engineering was awarded as 'Best Researcher' at 2nd International Scientist Awards on Engineering, Science & Medicine by VDGOOD Professional Association .He also bagged 'First prize in paper presentation.' at 5th International Virtual Conference on RASEAT(Recent Trends In Science, Engineering, Agriculture And Technology). Mrs.S.S.Nikam,AssistantProfessor,E&TC department received 'Best Young Researcher National Award' from IRDP. Mr.Riyaz Ahmed A. Jamadar, Assistant Professor, IT department was awarded as . Mr. P. B. Wakhare, Assistant Professor,IT department department received 'Best Paper of Session –IOT TRACK'in IEEE-ESCI 2020 conference. Mr.Vikas Desai, AssistantProfessor,E&TC department received Gold Medals at Dr. Jigoro Kano Championship 2019 held at Mumbai and 46th MH judo Championship, Dhule .

Our studentsbagged all the prizes at MINDSPARK 19 (Event -MAKEATHON)organized by College of Engineering, Pune. Somesh Thombare (BE Instrumentation),Kiran Lanke (BE Instrumentation) ,Saurabh Tiwade(BE Instrumentation), Shripad Garat (TE Instrumentation)and Aditya Baradkar (TE Instrumentation)received first prize worth Rs25000/-.Shreyas Shah (ELEX) , Shubham Aage (ELEX) , Vedant Gurav (TE ENTC) , Purva Bali (ENTC) , Sakshi Naik (TE Computer) received 1st Runner up prize worth Rs 15000/-Shaikh Ahmed(BE ENTC) ,Parth Parashtekar , Nachiket Kamod, Purva Shetty, Neha Nilajkar (all from TE ENTC) received 2nd Runner up prize worth Rs 10000/-

Purva Shetty, Nachiket D. ,Kamod , Neha Nilajkar , Parth Parashtekar (all from TE ENTC) bagged 2nd Runner Up in MAKEATHONorganized by Texas Instruments . Kannad Rampurkar (TE Computer), Neha Ghole (TE Computer) ,Annett John (TE Computer) won first prize and cash prize of Rs 1000/- in HACKTHON organized by IEEE. Mr.RajendraDundappa Shilin (TE ENTC)wonfirst prize and cash prize of Rs 2000/- at 6th National Level TechnicalExpo organized by K J College of Engineering and Research, Pune . He also bagged First Runner-Up prize and cash prize of Rs 8888/-in project competition organized by Universal College of Engineering & Research.Mr. Gaurav Sonawane (TE ENTC)received 'Outstanding Student Volunteer Award'from IEEEIndia council.Yash Gawade, (TE ENTC)bagged first

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AISSMS INSTITUTE OF INFORMATION TECHNOLOGY UoP Id. No PU/PN/Engg 124/1998 I

(Authorized Signature)
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prize in First prize in paper presentation at 5th InternationalVirtual Conference on RASEAT.(Recent Trends In Science, Engineering, Agriculture And Technology)Aditi Khaire (TE ENTC) andAditya Baradkar (TE INSTRUMENTATION)received'**student member volunteer award**' of IEEE Pune Section 2019.

The institute received grant worth Rs50,88,623/-for arranging conferences and workshops , laboratory setups, implementing projects, Modrob, Travel grant for students,Skill and personality development program centre for SC/ST student,Conferencesand for activities of Student development organization.

Earn and Learn Scheme:First Installment:71000/-Rupees Received on 04/10/2019

1) Payment of July 2019:Rupees 66690/- Hours:1482, (52 Students)
2) Payment of August 2019:Rupees 66150/- hours:1470, (50 Students)
3) Payment of September 2019:Rupees 81000/- hours:1800, (53 Students)
   Total Hours =4752, Total Payment 2, 13,840/-

Media Coverage

hindustantimes

PIYUSH BALUNKHE, IAS OFFICER

IAS officer draws on the highs learnt from low experiences

HT Correspondent

PUNE: Piyush Salunkhe has a BE in Electronics and Telecommunication and an LLB, whilst currently pursuing a postgrad. He says he still finds time to be a fitness enthusiast.

However, for the ever-hopeful optimist it was breaking into the Indian Administrative Service (IAS), where he is currently serving, that finally opened the doors.

Here he recounts how and why college and school made a difference. And the key lessons that impacted his career.

What does the education / resume read like?

I did my schooling and junior college from St Vincent's high school.

After my graduation, I also pursued my Bachelor's degree in Law from Navalmal Firodia Law College, Pune.

I have a graduation in Electronics and Telecommunication Engineering from AISSMS's Institute of Information Technology, Pune, passing out in the batch of 2015.

I am currently pursuing a post graduate diploma and other Law from Nalsar, in Hyderabad.

Academically brilliant, average or below average?

I have always been average in academics with an average level of intellect. I believe by combining it with hard work, consistency, a clear goal and a roadmap, even an average student can uncover true capabilities.

How did the IAS happen?

It was a culmination of factors that helped me shape my decision. Amongst them a...



...opportunities provided by my college within its active National Service Scheme (NSS) cell and various round the year activities.

A yearly camp in a remote rural village helped me gain insights into the challenges at the ground level and how by being in the administration you can contribute to the betterment of society.

Roles and responsibilities in the academic and cultural functions of college also helped shape my leadership and management skills. The extra classes in the final year of college helped me in the CSAT exam.

The constant support by the faculty of the college was also encouraging.

Highs and lows of your career so far?

The lows have been gruelling. Rootless at the start, uncertainty of choosing an unplanned career path, failure in the first attempt of an exam and the mental toll that it takes.

All this propelled me to do high, which was getting into the IAS and the ecstasy it brings.

What are your future plans?

In the near future I plan to make the most of my training, which offers unparalleled exposure from the lowest grassroots to the highest echelons of the country.

Thereafter, I plan to choose and develop my own niche areas of expertise in administration.

I would like to use all my experience, bridging the gap between administration and public.

That is my aim.

श्री शिवाजी मेमोरिअलकडून चार अद्ययावत प्रयोगशाळा

उच्च व तंत्रशिक्षणमंत्री उदय सामंत यांच्या हस्ते उद्घाटन

पुणे : पुढारी वृत्तसेवा

ऑल इंडिया श्री शिवाजी मेमोरिअल सोसायटीच्या इन्स्टिट्यूट ऑफ इन्फर्मेशन टेक्नॉलॉजीने (आयओआयटी) चार अद्ययावत प्रयोगशाळा तयार केल्या आहेत. या प्रयोगशाळांचे उद्घाटन उच्च व तंत्रशिक्षणमंत्री उदय सामंत यांनी ऑनलाईन पद्धतीने केले. या प्रयोगशाळांच्या माध्यमातून विद्यार्थ्यांना प्रत्यक्ष कार्यानुभवाची संधी मिळणार आहे.



ऑल इंडिया श्री शिवाजी मेमोरिअल सोसायटीच्या इन्स्टिट्यूट ऑफ इन्फर्मेशन टेक्नॉलॉजीने निर्माण केलेल्या प्रयोगशाळांचे उद्घाटन उच्च व तंत्रशिक्षणमंत्री उदय सामंत यांच्या हस्ते झाले.

आयओआयटीमध्ये 'डी. एम. तगारे पॉवर क्वालिटी एक्सपरिमेन्स सेंटर', 'फोर्ब्स मार्शल सेंटर ऑफ एक्सलन्स', 'इमर्सन सेंटर ऑफ एक्सलन्स' आणि 'एआयसीटीई मॉड्रोब : बायोमेडिकल इन्स्ट्रुमेंटेशन लॅब' या अत्याधुनिक प्रयोगशाळा विद्यार्थी, प्राध्यापक आणि उद्योग क्षेत्रातील कर्मचाऱ्यांच्या प्रशिक्षणासाठी उभारण्यात आल्या आहेत.

महाविद्यालयाच्या 'इन्स्टिट्यूट इंडस्ट्री कनेक्ट' या उपक्रमाअंतर्गत प्रत्येक प्राध्यापक किमान एक-दोन उद्योगांशी जोडलेले आहेत. त्याचा विद्यार्थ्यांना प्रत्यक्ष अनुभव मिळण्यासाठी फायदा, कार्यप्रशिक्षण, प्लेसमेंटसह तज्ज्ञांची व्याख्याने आयोजित करण्यासाठी होतो. कॉम्पिटेटर क्षेत्रातील मोठे व्यक्तिमत्त्व असलेले डी. एम. तगारे यांच्या कुटुंबीयांनी महाविद्यालयाला देणगी दिली, तसेच फोर्ब्स मार्शल, इमर्सन या उद्योगांकडूनही निधी प्राप्त झाला. तसेच, अखिल भारतीय तंत्रशिक्षण परिषदेकडून (एआयसीटीई) वैद्यकीय प्रयोगशाळेसाठी प्राप्त झालेल्या १८ लाखांच्या अनुदानातून चौथ्या प्रयोगशाळेची निर्मिती करण्यात आली.

संस्थेचे मानद सचिव मालोजीराजे छत्रपती यांनी कुशल अभियांत्रिकी मनुष्यबळ निर्माण करण्यासाठी अत्याधुनिक प्रयोगशाळांचे योगदानाविषयी भाष्य केले. प्रास्ताविक करताना प्राचार्य डॉ. पी. बी. माने यांनी कौशल्य आणि ज्ञानासह बहुआयामी विकास साधणे आणि विद्यार्थ्यांमध्ये नवोन्मेष विकास आणि तंत्रज्ञानाची जागरूकता निर्माण करणे, या महाविद्यालयाच्या ध्येयावर प्रकाश टाकला. कार्यक्रमाचे सूत्रसंचालन डॉ. मौसमी वंजाळे यांनी केले. प्रा. मंचिन शेलार यांनी आभार मानले.

Place: Pune
Date: 20 April 2022

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कोरोना काळात देखील एआयएसएसएम एसच्या विद्यार्थ्यांना विक्रमी नोकरी

पुणे:- एआयएसएसएमएस इन्स्टिट्यूट ऑफ इन्फॉर्मेशन टेक्नॉलॉजी आणि एआयएसएसएमएस कॉलेज ऑफ इंजिनीअरिंगने कोरोना काळात देखील विद्यार्थ्यांना शैक्षणिक वर्ष २०२०-२१ मध्ये रेकॉर्ड ब्रेक प्लेसमेंट केले असून एकूण नोकरीच्या ११२५ ऑफर आल्या.

इंटरनशिप्स -७१२ यामध्ये सर्वाधिक पॅकेज ऑफर १२ लाखाचे मिळालेले विद्यार्थी आहेत. अशी माहिती ट्रेनींग न्ड प्लेसमेंट ऑफिसर प्रा. जितेंद्र खुबानी यांनी दिली आहे.

सरासरी पॅकेज ऑफर -४.५० लाख काही प्रमुख टीसीएस, कॅपजेमिनी, कॉग्निझंट, क्वसर्वेंचर, एल अँड टी इन्फोटेक, विप्रो, मॉर्गन स्टेनली बिर्ला सॉफ्ट, टेक महिंद्रा काही मुख्य कंपन्या थमक्स,इंफोसिस,कॉग्निझंट, एफआयएस ग्लोबल, गोदरेज आणि बॉयस,स्नाइडर इलेक्ट्रिक, जॉन्सन कंट्रोल, जनरल इलेक्ट्रीक अव्हिएशन, हिताची नीलसॉफ्ट जिओ प्लॅटफॉर्म लिमिटेड

सरासरी दरवर्षी ३०० विद्यार्थ्यांना कॅम्पस ड्राइव्हमधून नोकरी देण्याचे कार्य करीत आहे. संस्थेचे मानद अध्यक्ष श्री शाहू छत्रपती महाराज, मानद उपाध्यक्ष श्री संभाजीराजे छत्रपती, मानद सचिव श्री. मालोजीराजे छत्रपती,सहसचिव सुरेशप्रताप शिंदे,अभियांत्रिकी कॉलेजचे प्राचार्य डॉ. दत्तात्रय बोरमाने,इंफरमेशन टेक्नॉलॉजी कॉलेजचे प्राचार्य डॉ. पी.बी माने यांनी प्रा जितेंद्र खुबानी आणि यशस्वी विद्यार्थ्यांचे अभिनंदन केले.



सकाळ TODAY

पुणे, बुधवार, १ सप्टेंबर २०२१

Page No. ३

शिवाजीनगर : शहरातील 'एआयएसएसएमएस इन्स्टिट्यूट ऑफ इन्फर्मेशन टेक्नॉलॉजी' या अभियांत्रिकी महाविद्यालयात विविध अत्याधुनिक प्रयोगशाळांचे राज्याचे उच्च व तंत्र शिक्षणमंत्री उदय सामंत यांच्या हस्ते उद्घाटन करण्यात आले. या प्रसंगी बोलताना सामंत.

'एआयएसएसएमएस'मध्ये अत्याधुनिक प्रयोगशाळा

पुणे, ता. ३१ : शहरातील 'एआयएसएसएमएस इन्स्टिट्यूट ऑफ इन्फर्मेशन टेक्नॉलॉजी' या अभियांत्रिकी महाविद्यालयातील विविध अत्याधुनिक प्रयोगशाळांचे उद्घाटन राज्याचे उच्च व तंत्र शिक्षण मंत्री उदय सामंत यांच्या हस्ते नुकतेच करण्यात आले.

या प्रयोगशाळांमध्ये मीरा लगारे यांनी दिलेल्या भरघोस देणगीतून अत्याधुनिक आणि आंतरराष्ट्रीय दर्जाच्या 'ह्यूमन क्वालिटी एक्सपेरियन्स सेन्टर'ची निर्मिती करण्यात आली आहे. तर महाविद्यालयाच्या 'इंडस्ट्री इन्स्टिट्यूट इंटिग्रिएशन फ्रेमवर्क' या उपक्रमाअंतर्गत 'इम्बर्डेड एक्सपर्ट इंजिनिअरिंग सेंटर', फोर्ब्स मार्शल यांनी दिलेल्या देणगीतून अनुक्रमे 'इम्बर्डेड सेंटर ऑफ एक्सलन्स' आणि 'फोर्ब्स मार्शल सेंटर ऑफ एक्सलन्स' या दोन अत्याधुनिक प्रयोगशाळांची निर्मिती करण्यात आलेली आहे. या प्रयोगशाळांचा उपयोग शिक्षार्थी, तसेच क्षेत्रातील नवोदित आणि इलेक्ट्रिकल युटिलिटी इंडिविजुअल्स यांच्या प्रशिक्षणासाठी करण्यात येईल.

या प्रसंगी सामंत यांनी अत्याधुनिक प्रयोगशाळांची तंत्रशिक्षणात असलेली गरज अधोरेखित केली, तसेच या उपक्रमासाठी महाविद्यालयाची प्रशंसा केली. संस्थेचे मानद सचिव मालोजीराजे छत्रपती यांनी कुशल अभियांत्रिकी मनुष्यबळ निर्माण करण्यात अत्याधुनिक प्रयोगशाळांचे योगदान, याविषयी माहिती केली. प्राचार्य महाविद्यालयाचे प्राचार्य डॉ. पी. बी. माने यांनी चौरशास्त्र आणि ज्ञानासह बहु-आयामी विकास साधणे आणि विद्यार्थ्यांमध्ये नवोन्मेष सिद्धांत आणि तंत्रज्ञानाची आवश्यकता निर्माण करणे या महाविद्यालयाच्या ध्येयावर प्रकाश टाकला.

या वेळी राज्याचे उच्च शिक्षण संचालक धनराज माने, फोर्ब्स मार्शलचे महाव्यवस्थापक चंद्रशेखर पाध्ये, फोर्ब्स मार्शलचे प्रकल्प व्यवस्थापक शरद राहूलकर, 'एआयएसएसएमएस'चे सहसचिव सुरेश शिंदे आदी उपस्थित होते. मुख्याध्यापक डॉ. मीनाक्षी सहस्त्रबुद्धे यांनी केले. तर प्रा. सचिन शेलार यांनी आभार मानले.

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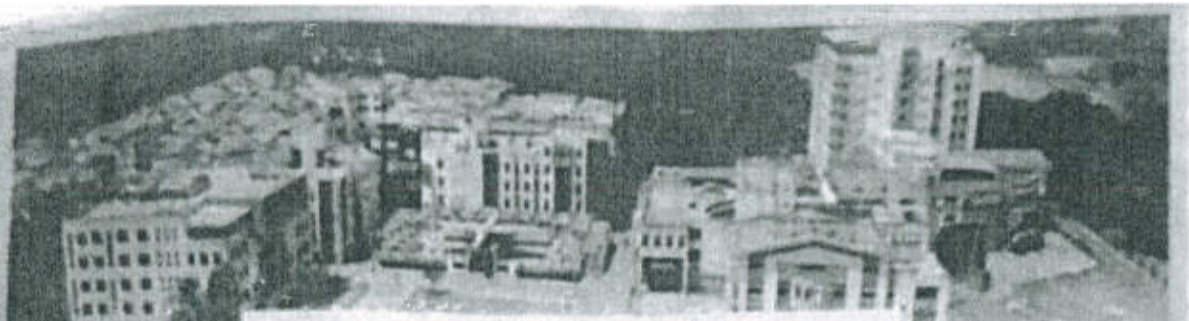

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दर्जा आणि गुणवत्तेचा सातत्यपूर्ण वारसा

समाजातील वंचित घटकांना दारिद्र्याच्या विकासातून बाहेर काढण्यासाठी आणि देशाच्या सर्वांगीण विकासासाठी, शिक्षणाचा प्रसार समाजातील प्रत्येक घटकापर्यंत होणे गरजेचे आहे या उद्दिष्टाने राजश्री छत्रपती शाहू महाराज यांनी 'ऑल इंडिया श्री शिवाजी मेमोरियल सोसायटी'ची स्थापना केली. ही शिक्षण संस्था येती शंभरहून अधिक वर्षे तळागाळातील विद्यार्थ्यांना दर्जेदार शिक्षणाच्या संधी उपलब्ध करून देत आहे. शाहू महाराजांच्या शिक्षण कार्याची ज्योत अखंड तेवत ठेवण्याकरिता संस्था शैक्षणिक क्षेत्रात आपले महत्त्वपूर्ण योगदान देत आहे. आधुनिक तंत्रज्ञानानुसार नाविन्यपूर्ण अभ्यासक्रम विकसित करत, शिक्षणाचा दर्जा आणि विद्यार्थ्यांची गुणवत्ता वाढविण्यासाठी प्रयत्न सातत्याने करत आहे. वारसा जपणे, शिक्षणाचा सर्वदूर प्रसार करणे व नवनवीन कल्पनांना पाठबळ देऊन विद्यार्थ्यांना सक्षम करणे या तीन महत्त्वाच्या तत्त्वांवर कार्यरत असणारी संस्था, सतत विद्यार्थ्यांच्या सर्वांगीण विकासासाठी नाविन्यपूर्ण उपक्रम राबवत आहे. शिक्षण प्रसाराचे ध्येय मनाशी बाळगून राजश्री छत्रपती शाहू महाराजांनी शाळांपुरुषी लावलेल्या एका छोट्याशा रोपट्याचे रूपांतर आज भारतातील एका अग्रगण्य शिक्षण संस्थेच्या वटवृक्षात झाले आहे.

एआयएसएसएमएस संस्थेची आज शाळा त्याचबरोबर अभियांत्रिकी, फार्मसी, हॉटेल व्यवस्थापन, आयटीआय यांसारख्या विविध क्षेत्रात महाविद्यालये आहेत. शैक्षणिक अभ्यासक्रमाचा दर्जा आणि विद्यार्थ्यांची गुणवत्ता यामुळे आज 'एआयएसएसएमएस' संस्थेला भारतातील महत्त्वाच्या आणि सर्वोत्तम शैक्षणिक संस्थांपैकी एक म्हणून गणले जाते. अगदी काही विद्यार्थ्यांपासून सुरू झालेल्या या संस्थेचा आज १४००० हून अधिक विद्यार्थी आणि १२०० हून अधिक शिक्षकवृंद असा मोठा परिवार आहे. 'एआयएसएसएमएस' संस्थेने हा शैक्षणिक वारसा जपत विद्यार्थ्यांच्या पिढ्यानपिढ्या समृद्ध करण्याचे काम अखंड सुरू ठेवले आहे. आपला ऐतिहासिक वारसा जपत, आधुनिकतेचा स्वीकार आणि अवलंब या विचारसरणीवर कार्य करणारी ऑल इंडिया श्री शिवाजी मेमोरियल सोसायटी आपल्या संलग्न संस्थांना कायमच अद्ययावत ठेवण्यासाठी प्रयत्न करत असते. म्हणूनच विद्यार्थ्यांच्या सर्वांगीण विकासासाठी पुस्तकी ज्ञानाबरोबरच कौशल्य विकासासाठी विविध उपक्रमांचे आयोजन संस्थेकडून केले जाते. त्यासोबतच उद्योग क्षेत्रात प्रगती करण्यासाठी आवश्यक प्रशिक्षण देखील महाविद्यालयीन स्तरावरच उपलब्ध करून देते. या उपक्रमांसोबतच विद्यार्थ्यांचा अभ्यासक्रम देखील सर्वसमावेशक ठेवण्यासाठी संस्था नेहमीच तत्पर असते.

"शिक्षणाच्या माध्यमातून समाजसेवा" असे उद्दिष्ट डोळ्यासमोर ठेवून सुरू करण्यात आलेली एआयएसएसएमएस संस्था, आज देशातील शैक्षणिक क्षेत्रात उत्कृष्ट कामगिरी करणारी एक अग्रगण्य संस्था म्हणून नावारूपास आली आहे. राजश्री छत्रपती शाहू महाराज यांनी पाहिलेल्या स्वप्नाला सत्यात उतरवत ऑल इंडिया श्री शिवाजी मेमोरियल सोसायटीने आज आपली एक स्वतंत्र ओळख तयार केली आहे, याचा आम्हास अभिमान आहे. शंभर वर्षांहून अधिक काळापासूनच्या शिक्षण क्षेत्राचा अनुभव आणि अभ्यासक्रमाच्या नाविन्यपूर्ण आधुनिक पद्धती विकसित करून विद्यार्थ्यांना सर्वोत्कृष्ट व्यावसायिक शिक्षण देण्याच्या दृष्टीने संस्थेने नेहमीच प्रयत्न केले आहेत. या संस्थेमार्फत विद्यार्थ्यांच्या सर्वांगीण विकासाचे आणि शिक्षणाचा लाभ सर्वांपर्यंत पोहचविण्याचे काम अखंडपणे सुरू आहे तसेच ते अविरत सुरू राहील."

श्री. मालोजीराजे छत्रपती
मा. सचिव

संस्थेतील महाविद्यालये आणि शाळा

आजवरची यशस्वी कामगिरी

कॅम्पस १ : ५५-५६, शिवाजीनगर, पुणे - ५ | कॅम्पस २ : केनेडी रोड, आर.टी.ओ. [illegible], पुणे - १ | कॅम्पस ३ : बोरीभडक, दौंड, पुणे

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हॅलो महापुणे.

एआयएसएसएमएस आयओआयटी महाविद्यालयाला नॅकचा 'अ' दर्जा

पुणे : एआयएसएसएमएस आयओआयटी महाविद्यालयास राष्ट्रीय मूल्यांकन व अधिस्वीकृती परिषदेकडून नॅकच्या द्वितीय पुनर्मूल्यांकनात 'अ' श्रेणी प्राप्त झाली आहे. तसेच महाविद्यालयाला शैक्षणिक क्षेत्रातील मानाचा स्वायत्त दर्जा यूजीसीकडून मिळाला आहे. त्यामुळे सावित्रीबाई फुले पुणे विद्यापीठ स्वायत्त महाविद्यालयांच्या यादीमध्ये आयओआयटी महाविद्यालयाचाही समावेश झाला आहे.

'नॅक' द्वारे केलेल्या द्वितीय मूल्यांकन फेरीत चारपैकी आयओआयटी महाविद्यालयाने ३.४० सीजीपीए गुण मिळवत 'अ' श्रेणी मिळवली. यूजीसीने १० वर्षांच्या कालावधीसाठी महाविद्यालयाला हा दर्जा दिला आहे. स्वायत्त दर्जा मिळाल्यामुळे महाविद्यालय आता स्वतंत्रपणे रोजगाराभिमुख अभ्यासक्रम तयार करू शकेल, असे प्राचार्य डॉ. पी. बी. माने यांनी सांगितले.

संस्थेचे सचिव मालोजी राजे छत्रपती, सहसचिव सुरेश लिंदे यांनी या दुहेरी यशाबद्दल महाविद्यालयाचे प्राचार्य डॉ. पी. बी. माने व आयक्यूएसी प्रमुख डॉ. मौसमी ढंजाळे, सचिन शेलार यांच्यासह विद्यार्थी, पालक व शिक्षक-शिक्षकेतर कर्मचाऱ्यांचे अभिनंदन केले.

Place: Pune
Date: 20 April 2022

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(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



२०० फूट रस्ता तयार केल्यानंतर घेतलेल्या छायाचित्रात विद्यार्थी.

विद्यार्थ्यांनी बनविला चक्क २०० फूट रस्ता

पुणे : पुढारी वृत्तसेवा

ऑल इंडिया श्रीशिवाजी मेमोरिअल सोसायटीचे इन्स्टिट्यूट ऑफ इन्फॉर्मेशन टेक्नॉलॉजी महाविद्यालयाच्या विद्यार्थ्यांनी श्रमसंस्कार शिबिरांतर्गत पुरंदर तालुक्यातील पारगाव मेमाणे गावात २०० फूट रस्ता बनविला.

राष्ट्रीय सेवायोजनेच्या सात दिवसांच्या विशेष हिवाळी श्रमसंस्कार शिबिरात विद्यार्थ्यांनी हे कार्य केले. यात एकूण ७५ स्वयंसेवक सहभागी झाले होते. गावातील विठ्ठल मंदिराची स्वच्छता करण्यात आली. मंदिरासमोरील २०० फूट रस्ता मुरूम टाकून बनविण्यात आला. स्वयंसेवकांनी प्रभात फेरी काढून सामाजिक विषयावर जनजागृती केली. मुलांना स्वयंसेवकांनी करिअर व स्पर्धापरीक्षेबद्दल मार्गदर्शन केले. शिबिरादरम्यान राष्ट्रीय सेवायोजनेचे कार्यक्रम अधिकारी प्रा. सचिन कोकणे, प्रा. चंद्रकांत भांगे, प्रा. गणेश वाणी, उद्धव वाईकर उपस्थित होते. संस्थेचे सचिव मालोजीराजे छत्रपती यांनी या सामाजिक कार्यासाठी स्वयंसेवकांचे अभिनंदन केले. महाविद्यालयाचे प्राचार्य डॉ. प्रदीप माने यांचे मार्गदर्शन लाभले.

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Principal, AISSMSIOIT, Pune-



शिक्षणक्षेत्र व्हावे स्मार्ट : डॉ. अत्रे

पुणे : एआयएसएमएसआय आयओआयटी महाविद्यालयात 'इमर्जिंग स्मार्ट कॉम्प्युटिंग अँड इन्फॉर्मेटिक्स-ईएससीआय' विषयावरील चौथी आंतरराष्ट्रीय परिषद संपन्न झाली. ९ ते ११ मार्च अशा तीन दिवस असणाऱ्या परिषदेचे उदघाटन, कार्यक्रमाचे अध्यक्ष डॉ. वासुदेव अत्रे यांच्या हस्ते झाले.

प्राचार्य डॉ. पी.बी. माने यांनी परिषदेच्या आयोजन प्रेरणेवर प्रकाश टाकला. आयईईईचे पुणे विभागाचे अध्यक्ष गिरीश खिलारी यांनी विविध उपक्रमांमधील कामगिरीवर प्रकाश टाकला. यावेळी टीमीओ इरोगाई, मानद सहसचिव सुरेश हिंदे, पुणे विभागाचे अध्यक्ष गिरीश खिलारी, परिषद अध्यक्ष विवेक देशपांडे, जगदीश चौधरी व प्रायोजक डॉ. एस. टी. आढाव, गणेश चौधरी व भूषण मुथिया उपस्थित होते. समारोप कार्यक्रमाचे प्रमुख म्हणून विश्वनिकेतनचे व्यवस्थापकीय विश्वस्त/उपाध्यक्ष, डॉ. एस. एस. इनामदार उपस्थित होते. मालोजीराजे छत्रपती यांच्या मार्गदर्शनाखाली ही परिषद आयोजित करण्यात आली होती.

परिषदेसाठी ६६५ शोधनिबंध आले. त्यापैकी ७८ शोधनिबंध सादर झाले. डॉ. पी. बी. माने यांच्या अध्यक्षतेखाली परिषदेचे यशस्वी आयोजन केले, तर डॉ. सुरेश लिमकर, डॉ. विनायक धेरांगे व परिषदेच्या समिती सदस्यांनी परिषदेसाठी परिश्रम घेतले. (वा.प्र.)

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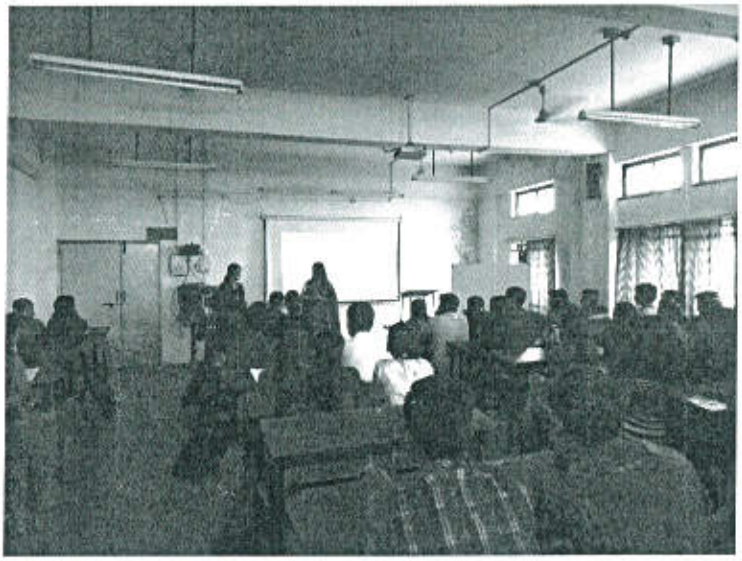
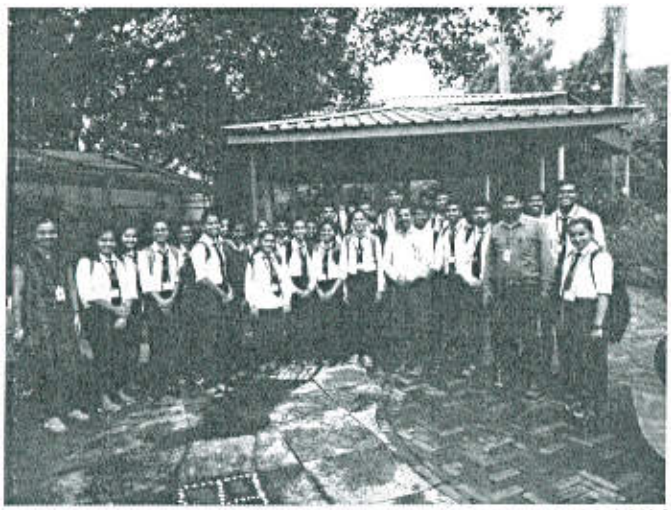


Expert Session on Digital Transformation and readiness for SE IT students on 25/09/2019



SE IT class Social Visit at BalKAlyanSantha,Pune on 09/08/2019

Place: Pune
Date: 20 April 2022

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Software Testing and Introduction to Testing Automation for BE IT, 2/7/2019



One day workshop on "We Think Digital" on 3/10/2019

Place: Pune
Date: 20 April 2022

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3 Days Workshop on"Programming in C++" from 19/7/2019-21/7/2019



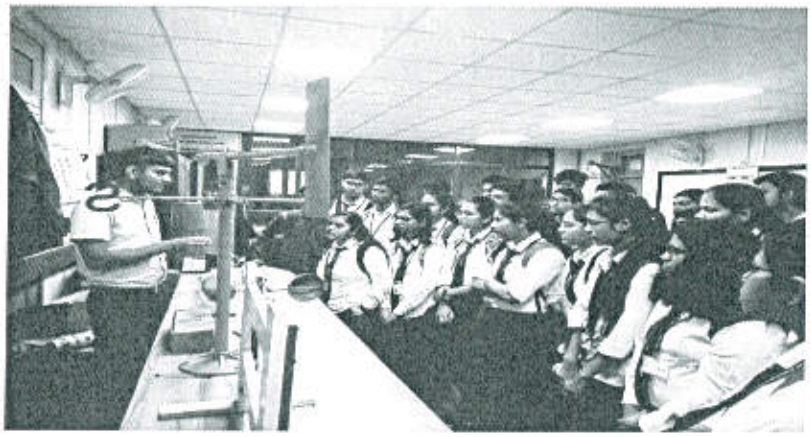


Industrial Visit at Cyber Tronic Branch Pune

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-





Industrial Visit at "Ruby Hall Clinic Wanoarie, Pune" for Biomedical Instrumentation Subject of TE Instrumentation Class,which is organized by Mrs. S. V. Kulkarni and Attended by Mr. H. P. Chaudhari on dated 04th February ,2020.



TE IT Industrial Visit to FOF Autocluster Chinchawad on 28/02/2020
(LtoR: Mrs. J.C.Pasalkar, Mrs. A.S.Phapale, R.P.Saste and students)

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-





MOU signed on 03/02/2020 in between AISSMS IOIT and EMURGO Learning solution Pvt. Ltd. ,Banglore (LtoR-Dr. K.S.Wagh, Dr.M.AThalor, Dr. P.B.Mane, Mr. Vijay Elango,Mr. Rahul Oberoi and Dr. J.B.Patil)

Place: Pune
Date: 20 April 2022

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(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



MOU signed on 19/09/2019 in between Departent of Information Technology,AISSMS IOIT and HlreMindz-Signio GlobalTech Solutions Pvt Ltd.,Pune(LtoR-Mr. Pritesh A.Patil, Mr. R.A.Jamadar, Ms. Sneha Kurri, Dr. M.A Thalor and Dr. J.B.Patil)



MOU signed on 26/08/2019 in between Department of Information Technology,AISSMS IOIT and Quickyes Infotech Pvt Ltd.,Pune
(LtoR-Mr. Pritesh A.Patil, , Mr. Sumeet Surana, Dr. M.A Thalor and Mr. R.A.Jamadar)

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg/124/1998

Place: Pune
Date: 20 April 2022

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



Social visit to 'Swaranad _Preschool for Hearing Impaired Children'. Date:31/07/2019, Class: SE(D) & TE(B) Organized by: Mrs. G. D. Salunke , Ms. M. R. Wanjre



.Prof.Vikas Desai from(AISSMS IOIT E&TC)won gold medal at Dr.Jigoro Kano Judo Championship 2019 held at Mumbai.

Place: Pune
Date: 20 April 2022

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(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-



Dr.VijayBhatkar visit agriculture lab on 11 feb 2020

WORKSHOP





Three Days Workshop on Industrial Approach on in Electronics' Engineering
24.09.2019 – 26 .09.2019

Renewable Club Activities



Akshay urja Diwas Celebration – 26/8/2019
ExpertTalkbyMrRahulNalawade,PanamaRenewable Energy Group,Pune



Energy Conservation Drive at different Ganpati Mandals -2/9/19-11/9/19

Place: Pune
Date: 20 April 2022

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Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

EESA Activities



Enthusia team with Principal Dr. P.B.Mane



EnthusiaInaguration

ISTE and IE (I) Activities



Discussion on Super capacitors and chargers
Of Faculty members with Mr. Ramasundaram - Vice President India , OptiXtal India Energy solutions



Electrofunda Activity conducted on 28/08/2019

Place: Pune
Date: 20 April 2022

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY * PUNE * UoP Id. No. PU/PN/Engg/124/1998

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMSIOIT, Pune-

NATIONAL LEVEL WORKSHOP on MODERN TRENDS IN LIGHTING AND ILLUMINATION CONTROL on 06/02/2020 -07/02/2020





Inauguration of National Level Workshop , Dr. P. B. Manefelicitatingthechiefguest DR,B,E.Kushare,BOS– Chairman , Electrical Engg and HOD , KKWIER , Nashik .

IE(I) Activities





Paper Presentation activity conducted for SE , TE and BE students on 13/2/2020 Project).AunthITI,Pune.





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