ANNEXURE – 10

MANDATORY DISCLOSURE

Norms: As per AICTE, New Delhi,Approval Process Handbook 2023-2024

(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	0930 hrs to 1800 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	honorarysecretary@aissms.org
	Website	www.aissms.org
	Nearest Railway Station (distance in Kilometre)	02kmt
	Nearest Airport (distance in Kilometre)	09kmt

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Dr Pradeep B Mane
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(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	2023-24,Ref.No. CA1650 Dated 12-07-2023

(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 Shahu Chhatrapati**, New Palace, Kolhapur - 416003	President	shahuchhatrapatinpk@yahoo.co .in	Social Worker
2	**Shri Yuvraj Sambhajiraje Chhatrapati** New Palace, Kolhapur - 416003	Vice-President	sambhajichhatrapati@rediffmail .com 9822549320 PA- Amar Patil 9850508671 PA - Yuvraj 9922414130	Social Worker
3	**Shri Malojiraje Chhatrapati** New Palace, Kolhapur - 416003	Honorary Secretary	honorarysecretary@aissms.org 9850011333 PA - Vilas 9823138333 PA - Shivaji 9923898686	Social Worker
4	**Shri Shinde Suresh Pratap** Plot No. 31,WirelessHau. Society	Honorary Joint Secretary	honjtsecretary@gmail.com 9422036902	Business

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	Near PariharChowkAundh, Pune – 411 007			
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 Patil Vishwas Bajirao** 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 Salunkhe Bhagwanrao Baburao** 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 Yuvraj Sambhajiraje Chhatrapati** New Palace KOLHAPUR - 416 003	Vice-President	sambhajichhatrapati@rediffmail.com	9822549320 PA- Amar Patil 9850508671 PA - Yuvraj 9922414130
2	**Shri Malojiraje Chhatrapati** New Palace KOLHAPUR - 416 003	Honorary Secretary	honorarysecretary@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 Patil Vishwas Bajirao** 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 Salunkhe Bhagwanrao Baburao** 22,Shankarmaharaj Society Vardhamanpur, Near Gangadham Bibvewadi, PUNE – 411 037	Chairman Managing Committee	bhagwanraosalunkhe@gmail.com	9822072691
7	**Shri Moze Shrikant Hambirrao** 86 Yerwada, Shivaji Lane PUNE – 411 006	Member, Managing Committee		9822394481
8	**Shri Jadhav Nitin** 329 A, Shivaji Peth KOLHAPUR	Member, Managing Committee		9823543887
9	**Shri Bamane Nandkumar** 599 B Parijat Row bungalow Shahu Colony Hockey stadium to Jaragnar road, Kolhapur - 416012	Member, Managing Committee		9423042842
10	**Shri Padmakar Gulabrao Pawar** 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

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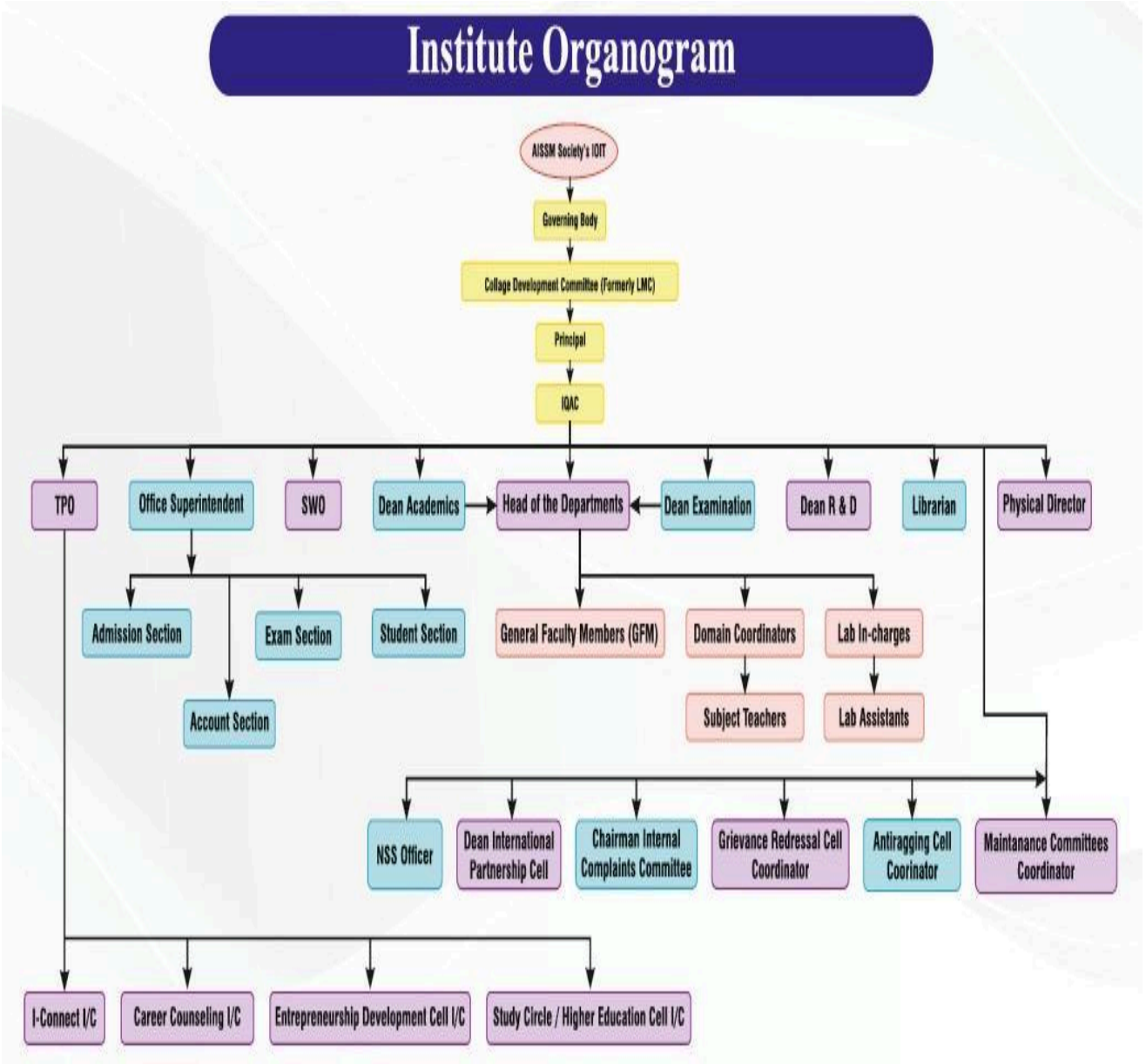
12	**Shri Anil SampatraoTaware** Malegaon Colony Near Sharadanagar At Post Malegaon Bk, Tal. Baramati ,Dist. Pune -413115	Member, Managing Committee		9763350657

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



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- 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.

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7) Students' council.

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

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 (SPPU Member appointment letter No. CA/1686, dt. 13.07.2023)

Sr No	Name	Designation	e-mail	Contact number
1	Dr. Pradeep Bajrang Mane (Principal of the Institution)	Chairman	principal@aissmsioit.org	020-26057636 9420918444
2	Dr. Manoj Shrikrishna Nagmode (One Senior Professor of the affiliating University)	Member	Manoj.nagmode@gmail.com	9226771488
3	Dr. Raju Nivarti Gacche (One Official from University Nominated by University)	Member	rngacche@unipune.ac.in	9423656179

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Principal, AISSMSIOIT,
Pune-1

4	Dr Mrs. Mohini Pramod Sardey (Senior Faculty)	Member	Mohini.sardey@aissmsioit.org	9881409100

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

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Principal, AISSMSIOIT,
Pune-1

		Mr.P.B.Wakhare	AP in IT	prashant.wakhare@aissmsioit.org	9673470986
		All HoDs			

6) Programs

0	Name of the Department	**Computer Engineering**		
1	Course	Computer Engineering		
	Level	UG		
	1st Year of approval by the Council	1999		
		2021-22	2022-23	2023-24
	Year wise Sanctioned Intake	120	120	120
	Year wise Actual Admissions	135	138	132
	Cut off marks – General quota	Min.Marks= 89.85 Max Marks = 95.37	Min.Marks= 28.46 Max Marks = 98.65	Min.Marks= 3.85 Max Marks = 98.71
	% Students passed with Distinction	91.78	94.80	-
	% Students passed with First Class	02.73	2.59	-
	Students Placed	118	109	28
	Minimum Salary	3.00	3.00	4.0
	Maximum Salary	12.64	15.80	8.00
	Average pay package, Rs./Year	4.7	4.62	6.0
	Students opted for Higher Studies	06	12	15
	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.		

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		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 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

0	Name of the Department	**Electrical Engineering**		
2	Course	Electrical Engineering		
	Level	UG		
	1st Year of approval by the Council	1999		
		2021-22	2022-23	2023-24
	Year wise Sanctioned Intake	60	60	60
	Year wise Actual Admissions	56	59	60
	Cut off marks – General quota	Min Marks = 38.04 Max Marks = 96.57	Min Marks = 32.21 MaxMarks =82.33	Min Marks = 32.88 MaxMarks = 91.74
	% Students passed with Distinction	76.12	59.26	--
	% Students passed with First Class	8.96	18.52	--
	Students Placed	48	48	05
	Maximum pay package, Rs./Year	6,75,000/-	7,60,000/-	3,00,000/-
	Minimum pay package, Rs./Year	1,08,000/-	1,80,000/-	7,50,000/-
	Average pay package, Rs./Year	3,70,550/-	3,30,278/-	5,25,000/-
	Students opted for Higher Studies	02	04	00
	Accreditation Status of the course	Accredited with NAAC (A+) and Accredited with NBA		
	SPPU Affiliation Status	Permanent		
	Doctoral Courses	No.		

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	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, 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 ,Sapeksh 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

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	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 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 Purarskar 2021(Education Sector) by Business Express Shree Foundation, Sangli . 12) Dr.A.D.Shiralkar received Certificate of Appreciation - Mentor for IEEE YESIST 2020

0	Name of the Department	**Instrumentation Engineering**		
3	Course	Instrumentation Engineering		
	Level	UG		
	1st Year of approval by the Council	1999		
		2021-22	2022-23	2023-24
	Year wise Sanctioned Intake	60	60	60
	Year wise Actual Admissions	25	47	49
	Cut off marks – General quota	Min. Marks = 10.2	Min. Marks = 41.31	Min. Marks = 22.03

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		Max Marks = 74.35	Max Marks = 78.34	Max Marks = 80.98
	% Students passed with Distinction	68.91	66.66	-
	% Students passed with First Class	12.16	25.00	-
	Students Placed	16	42	4 (SEM 1)
	Minimum Salary	1.95 LPA	1.50LPA	4.8 LPA
	Maximum Salary	5.8 LPA	6.00LPA	6.5 LPA
	Average pay package, Rs./Year	3.87 LPA	3.27 LPA	5.65 LPA
	Students opted for Higher Studies	-	-	
	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		

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		● 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 Ghole, Business Intelligence. ● Expert lecture on "Automotive sensors" by Mrs. Vrushali Deodhar, Proposal Manager, TMCA Pvt. Ltd. Pune on 30/09/2022. ● Industrial visit(BE Students) To B & R Industrial Automation Pvt Ltd. On 08/08/2023 ● Workshop on "Automation Boot Camp(ABC) conducted by Dr. Mahesh Sanghavi, SNJB's KB Jain College of Engineering, Chandwad on 13/9/2021 - 17/9/2021 ● Workshop on "Circuit simulation using multisim software"conducted by Dr.V.V.Kale, Instrumentation Engg , AISSMS's IOIT On 15,17,18 Nov 21 ● 4 days workshop on "Report writing in LaTeX" by Dr. V. V. Kale, AISSMS's IOIT on 24,25,27,28 Jan 2022. ● Workshop on LabView by Mr. Nagrajan G, VI Solutions Bangalore on 14/2/2022-18/2/2022. ● Seminar on "Industry 4.0" by Mr. Rahul Arrarwal, Capgemini, Pune on 30/08/2022 ● Workshop on "Power Lab" by Mr. V. Ben Samuel, AD Instruments, Bangalore on 16/09/2022 ● Workshop on "Low cost solutions to automation industry"by Mr. Sandeep Shroff, Founder, CEO Autointell Services, Aundh Pune. On 11/10/2022 to 17/10/2022. ● Workshop on "Component Testing" by Mr. Sahil Bedre, Sr. Application Engineer, Johnson Controls, Pune on 10/10/2022 to 14/10/2022 ● Workshop on "Applications of LabVIEW in Automation" by Mr. Nachiket Modak, Mrs. Rajashri Dhamal, Mr. Amol

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		Bhagat, Theta Measurement and Control solutions Pvt Ltd Pune. On 06/03/2023 to 10/03/2023. ● Workshop on "Big data analytics using Python and Power BI"by Mr. Yogesh Murumkar, Bharat Soft Solutions, Pune on 06/03/2023 to 10/03/2023. ● Visit to Automation Expo23 at Bombay Exhibition Centre Hosted by IED Communication Ltd and sponsored by ISA Pune Section on 25/08/2023. ● Workshop on problem solving and Ideation and Ideation challenge by Mr. Subodh Morey and Team, BOSTON Scientific Technology and Engineering Service Pvt. Ltd., Pune on 15/09/2023. ● Industrial visit to Proexcel Systems, Bhosari, Pune on 27/09/2023. ● Expert lecture on "PLC Interfacing to HMI and Pneumatic systems" by Abhijit Hingmire, Sales Director, TecLogos Automation Pvt Ltd., Pune on 04/10/2023.
	Consultancy activities	Consultancy Project on "Development of X-Y Cartesian System" by SVR Infotech Pune Amount – 100000 Rs.
	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

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	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 $50 from ISA held in October 2020. ● Shubham Pawar, Shubham Sakunde, Lokesh Supalkar secured 1 st runner up position position in "IIoT conference" organized by Cummins college of engineering, Pune on 19/01/2019 in association with ISA student section ● Swati Bhat, Abhishek Ambetkar, Pratik Rokhonde secured II runner up in state level project competition held by VIT, Pune in association with ISA student section ● Aditya Baradkar received a travel grant of 300$ 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.

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		• 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 • Shivanshu Patil Selected as a of Young Professional Member in ISA Pune – 2021-22. • Dr. Amita Shinde wasawarded as SavitribaiPhule ExcellenceAward-2022 for BESTRESEARCHER,whichwas organized by KJEI'sTrinity College ofEngineering andResearch, Pune. • Dr. Amita Shinde awarded as a Best Teacher in Savitribai Phule Pune University in 2022-23. • Mrs. Sheetal Vijay Kulkarni (Applicant, Faculty - Department of Instrumentation Engineering), Dr. Vandana Vishwanathrao Kale (Inventor, Faculty - Department of Instrumentation Engineering), and Ms. Rutuja Darwade (Inventor, Student - Department of Instrumentation Engineering) on the achievement of receiving a Patent grant for their invention, "HYBRID POWERED ROUTER," from The Patent Office, Govt. of India.-(2023-24) • Students won the 3rd Prize in "*The IDEATION Challenge* Competition" STEM 2023, organized by BOSTON Scientific Technology and Engineering Services Private Limited , Pune on dated 16th October 2023 • Mr. Sagar Jagtap Successfully completed the course "Applied Linear Algebra For Singal Processing, Data Analytics and Machine Learning" and won a Gold Medal with 23.13/25 in India. • Mrs. Chitralekha Rananaware has Successfully Completed the Course "Project Management : Planning, Execution, and Control.(8 Week) in 2023-24.

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		• Mrs. S.V. Kulkarni has Successfully Completed Course "Patent Search for Engineers and Lawyers" in 2023-24 • Dr. V.V.Kale has Successfully Completed Course "Introduction to Biostatics" in 2023-24. • Mr.Sandesh Sonawane (BE Student) got Third Prize in " Avishkar " 2023-24. • Miss. Mansi Kadam (SY Btech Student) selected for the Lila Poonawalla Foundation Scholarship 2023.

0	Name of the Department	**Electronics & Tele-communication**		
4	Course	Electronics & Tele-communication Engineering		
	Level	UG		
	1st Year of approval by the Council	2008-2009		
		2021-2022	2022-2023	2023-2024
	Year wise Sanctioned Intake	120	120	120
	Year wise Actual Admissions	134	134	130
	Cut off marks – General quota	Min. Marks =5.44 Max Marks = 93.14	Min. Marks =51.23 Max Marks = 93.75	Min. Marks =66 Max Marks = 94
	% Students passed with Distinction	29.80	71.13	--
	% Students passed with First Class	16.56	15.12	--
	Students Placed	193	133	155
	Average pay package, Rs./Year	4.0 Lac./Year	4.0 Lac./Year	4.5 Lac/Annum
	Maximum pay package, Rs./Year	6.75 Lac /Year	7.0 Lac / Annum	7.0 Lac / Annum

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	Minimum pay package, Rs./Year	3.36Lac ./Year	1.2 Lac / Annum	1.2 Lac / Annum
	Students opted for Higher Studies	05	03	06
	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 398,900 ($5000) from IEEE for "HAM Radio Set Up for Flood Prone Area" in 2022-23. ● Received Rs 120,000 from Banaras Hindu University (BHU) for "Speech modification for prosody conversion in expressive Marathi test to speech synthesis" in 2019-20. ● Received Rs.150,000 from SPPU under Aspire research Mentorship Program for "Design and implementation of Compact UWB Antenna with dual band notched characteristics for MIMO system" in 2019-20. ● Received Rs 160,000 from IEEE for "Poverty Alleviation of Farmers Using Affordable Technology in Agriculture" in 2018-19. ● Received Rs.190,000 from BCUD – SPPU for "Auditory Speech Enhancement" for 2016-18. ● Received Rs.160,000 from BCUD – SPPU for "Early Diagnosis of Alzheimer Disease using EEG Signals" for 2016-18. ● 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		

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	Departmental Achievements	• Mr.Prathamesh Yechwad and Team have received the Maharashtra Business award from Maharashtra State Innovation Society on 13/10/2022. • Mr.Dipak Mhatugade secured II position in Debate competition (YIN Kala Mahotsav 2022) organized by YIN Maharashtra. • Ms.Shubhangi Kawale,Ms.Tejashree Sakhare and Ms.Anchal Singh have received 3rd rank in TECHGLINT Project Competition By Innovation 2023 organized by JSPM RSCOE, Pune on 23/03/2023. • Dr M P Sardey has completed NPTEL online certification course for "Educational Leadership", with score of 83% and Elite Silver badge. • Dr. V. K. Bairagi was invited as a resource person to judge the Avishkar event at Bharati Vidyapeeth College of engineering for women on 8 sept 2022. • Mr. S. B. Pokharkar , Mrs. N.S. Warade, Mrs. S. V. Lohar Ms. S. O.Ahire, Assistant Professor , Department Of E&TC Engineering received Certificate from the BYST- MDP-City Guilds London institute (UK) on 'Engineers Day 'program on 15/09/22 • Final-year students of Electronics and Telecommunication (Varad Sarada and Viraj khapare) awed us with their out-of-the-box invention of LED Dandiya for the ongoing Durgotsav • Mrs. Shobha Nikam, has completed NPTEL online certification for "System Design through Verilog" with 87% with Elite+silver badge. • Mrs.Varsha Kiran Patil, completed certificate of visual analytics with Rubyscape of faculty development workshop at AISSMs Institute of Technology Pune on 7/10/ 2022 with 90 percentage of score. • Mr. Prathmesh Yechwad (Third year Student of E&TC Department AISSMS IOIT) , I connectifly software technology (CEO). His interview was conducted by Gatha Yashachi and it is about How he had started his own software technology company at the age of 19 and today his company has more than 30 employees. The Interview is available on YouTube link https://youtube/iFP37naqYcc .

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		• Mrs. Varsha Kiran Patil successfully presented a paper in IEEE International conference “ICCONSIP _II " on the topic " How can emotions be classified with ECG Sensors, AI techniques and IoT Setup? " at COEP Tech University Pune , on 25/8/2022 and 26/8/2022. • Mrs. Varsha Kiran Patil received EDU-Excellence Award 2022 from EDVISHAN for outstanding contribution to society in the field of education on 4th September 2022 . This award is declared by the Edvishan organization to honour all the fraternities of the education industry for their selfless service to society. • Dr. Shobha Nikam for successful completion of Ph.D in "Ultra Low Phase Noise PLL Frequency Synthesizer for Ku Band " Under the guidance of Dr. Pradeep B. Mane from AISSMS IOIT , Pune. • Ms.Pratiksha Chavan , has received the Digital Influencer Award (Food category -Food blogger/Food Influencer/Food Critics).Event name : Lokmat Digital Influencer Award(DIA) 2022.Date: 21/8/ 2022 • Mrs. Archana S Ubale , Assistant Professor in the E&TC department has successfully completed the 12 week 'Cloud Computing ' NPTEL course with Elite certificate • Prof. Venkat Ghodke, Assistant Professor , received Certificate of appreciation from SHL for contribution of his effort in improving the employability Ecosystem of AISSMS IOIT • Atharva Shinde BE (E&TC) Engineering For the Eform SPICe(INC-32) submitted on the MCA portal in respect of YOBROS HOSPITALITY PRIVATE LIMITED vide SRN F08681660 dated 23/06/2022 has been APPROVED • Dr.V K Bairagi was invited as a session chair in the International Conference on Applied Data Science and Smart Systems (ADSSS-2022) at Chitkara University ,Punjab • Prof Venkat Ghodke I Connect in charge and Assistant Professor E& TC Engineering Department received

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		Certificate of Appreciation for his colossal contribution towards improving the employability ecosystem and guiding students towards a brighter future. ● Dr. H D Shinde has published paper 'Robust intelligibility and quality evaluation of combined temporal and spectral processing for hearing impaired' in Elsevier's journal of 'Intelligent systems with applications', vol.16,Nov 2022,pp 1-15. The journal is Scopus indexed with 7.5 impact score.The link is: https://doi.org/10.1016/j.iswa.2022.200120 ● Dr. V K bairagi was invited as session chair to 5th IEEE Pune section's flagship conference PuneCon22 on 16 Dec 2022. ● Dr.V.K Bairagi was Invited as Session chair at IEEE International Conference on Smart Generation Computing, Communication and Networking (SMART GENCON) on 23rd December 2022 at Bangalore. Track Name : Electric Vehicles ● Ms Sandhya O Ahire received a certificate of achievement for the Digital Marketing Course. She has completed Digital Marketing (Digital Skills) by Accenture. ● Ankit Sonawane from BE A ENTC and Team Search-In for being shortlisted as a Top Finalist of the Start-up India National Awards 2022. We wish Team Search-In all the best for the final ceremony at Delhi on 16th January 2023. ● Mr. Prathmesh Yechwad (Third year Student of E&TC Department AISSMS IOIT) has been awarded as Radiant face of Maharashtra 2023. Award organization Finest events and production Award category: Youngest Entrepreneur of the year 2023. Location :Balewadi Pune. ● M.P.Gajare participate in and completed the Professional Development Programme on 'Implementation of NEP2020 for University and College Teachers' held from January 20/1/2023 - 29/1/ 2023 and obtained an 'A+' Grade ● Mrs. Archana S.Ubale , Assistant Professor in the E&TC department has successfully completed the AWS Academy educator training on 'AWS Academy Cloud

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		Foundation' and 'AWS Academy Solution Architect' conducted by Edu skills foundation on 22/02/2023 ● International Women's Day is celebrated annually on March 8th to celebrate the social, economic, cultural, and political achievements of women and to raise awareness about gender equality issues. The digital age has opened up new opportunities for women to empower themselves, and it is important that women take advantage of these opportunities to achieve their goals and dreams.In this regards ,Mrs varsha Kiran Patil has been invited as talk show speaker by Edvishan ● Heartfelt Congrats" to Kajal BE(E&TC) for placing runner-up in the AISSMS DIVA 2023 competition. ● "Heartfelt Congratulation" to Pratiksha Chavan , Department of E&TC Engineering for winning Ingenious Award in AISSMS DIVA 2023 ● Mrs. M S Koban received “Indian Youth ICON AWARD 2023” by the International Council for Education, Research and Training on 12th January 2023. ● Mrs.Varsha Patil ,Member of SPPU Pune ,Avishkar team which conferred 2nd position in the 15th Maharashtra State-Level Inter-University Research Convention for post PG Student level at Avishkar 2023 on 12th to 15th January 2023. ● Dr.V.K.Bairagi has successfully created the Udemy Course on “How To Write A Perfect Research Paper”. ● Dr.S.A.Panwar presented the IEEE HAC SIGHT project “HAM Radio Setup For Flood Prone Area (22-HAC-062) in National Platform for Disaster Risk Reduction (NPDRR-2023) on 10th&11th March 2023. ● Mr.V.N.Ghodake received the 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 life skills programme by Rubicon in November 2022. ● Neha Nilajkar(E&TC) Secured 8th rank in University merit List TE 2015 May 2020

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		● 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 Patilreceived the 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 Awards 2021, UtthamaAadhyapika award scheduled on 5th Sep '21, Company Name: Brainovision solutions (India) Pvt.Ltd, Hyderabad ● Mr.Vikas Desai received consecutive 10thGold 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 DhondereceivedPimpari 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

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		achievements in the field of teaching, research and publications on 24thAugust 2019. ● Mrs. V K PatilreceivedTIPHonor 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 Ghodke received following awards: o Best Teacher Award by Lokmangal Bank Solapur Branch Pune2017-18 o Award for Excellent Coordination during state level Olympiad on Project Management by Tech Trainers and Testers Pune 2016-17 o BCUD, SPPU research grant, "Diagnosis for Alzheimer disease". (Rs 1.6 lakh- 2016-18) o Promising Award for Training & Placement Activities- GTT Excellence Awards -2020 by Global Talent Track o Certificate of Achievements- for Professional developments, Skill developments and career guidance for students By Career labs 2020 o Letter of Appreciation-For field of placements ,Skill developments and Employability Enhancement by Global Talent Track o 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

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		o 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 o 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		
		2021-2022	**2022-23**	**2023-24**
	Year wise Sanctioned Intake	60	60	60
	Year wise Actual Admissions	FE=68 DSE=08 Total 76	FE=70 DSE= 10 Total= 80	FE= 69 DSE= 08 Total= 77
	Cut off marks – General quota	Min. Marks= 67.75 Max.Marks=95.19	Min. Marks= 44.93 Max.Marks=96.49	Min. Marks= 64.48 Max.Marks= 97.20
	% Students passed with Distinction	98.70%	93.90%	91.46%
	% Students passed with First Class	---	4.8%	3.65%
	Students Placed	62	62	18
	Average pay package, Rs./Year	5.03 Lacs	4.64 LPA	6.7 LPA
	Maximum pay package, Rs./Year	8.6 Lacs	17 LPA	12 LPA
	Minimum pay package, Rs./Year	3.0 Lacs	2.7 LPA	4.7 LPA
	Students opted for Higher Studies	--	02	--
	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		

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	Professional Society Memberships	Association for Computing Machinery (ACM), Computer Society of India (CSI), Indian Society For Technical Education (ISTE), Institute of Electrical and Electronics Engineers (IEEE)
	Professional activities (AY: 2020-21)	AY 2021-22 workshop=7 AY 2022-23 Workshop = 5 AY 2023-34 Workshop = 3 AY 2021-22 Expert Lecture=14 AY 2022-23 Expert Lecture= 24 AY 2023-24 Expert Lecture= 08
	Consultancy activities	NIL
	Grants fetched	NIL
	Departmental Achievements	1. Mr. Vikas Desai secured rank 2 in at Senior National Selection trials held at Nashik 2023. 2. Mr. Vikas Desai secured rank 5 place at Senior National Judo Championships Senior Men and Women 2023-24 Jaipur 3. Mr. Vikas Desai won 4th rank in 36th Indian Olympic Association National Games 2022. 4. Mr.Vikas Desai won secured 7th place at Senior National Judo Championships Senior Men and Women 2022-23 Lucknow U.P. 5. Mr.Vikas Desai won Gold medal at 49th Maharashtra State Senior Champion 6. Mr.Vikas Desai won Gold medal at Maharashtra State Olympic Games 2022-23

0 6	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		
		2021-2022	2022-23	2023-24

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	Year wise Sanctioned Intake	120	120	120
	Year wise Actual Admissions	137	136	137
	Cut off marks – General quota	Min. Marks= 12.70 Max.Marks= 95.74	Min. Marks= 77.09 Max.Marks= 95.81	Min. Marks= 94.29 Max.Marks= 95.90
	% Students passed with Distinction	--	--	--
	% Students passed with First Class	--	--	--
	Students Placed	--	--	13
	Average pay package, Rs./Year	--	--	6 Lac/Annum
	Maximum pay package, Rs./Year	--	--	14 Lac/Annum
	Minimum pay package, Rs./Year	--	--	3.5 Lac/Annum
	Students opted for Higher Studies	--	--	--
	Accreditation Status of the course	No		
	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 the Teaching Faculty	Designation (Professor /Associate Professor/ Assistant Professor)	Experience		
			Teaching	Industry	Research
1	Dr. Pradeep Bajrang Mane	Principal	30	3	15
2	Dr. Sarika Nitin Zaware	Professor in Computer Engineering	23	....	....
3	Dr.Kishor Sadashiv Wagh	Associate Professor in Computer Engineering	29	0	0

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4	Ms.Shilpa Purushottam Pimpalkar	Assistant Professor in Computer Engineering	21	....	....
5	Ms. Minal Abhijeet Zope	Assistant Professor in Computer Engineering	21	....	....
6	Mrs.Minal Prashant Nerkar	Assistant Professor in Computer Engineering	21	....	....
7	Ms.Prajwal Sopan Gaikwad	Assistant Professor in Computer Engineering	20	....	....
8	Mr.Girish Jaysing Navale	Assistant Professor in Computer Engineering	16	....	....
9	Ms. Neha Sangram Patil	Assistant Professor in Computer Engineering	16	....	....
10	Mr.Prashant Shivling Sadaphule	Assistant Professor in Computer Engineering	16	....	....
11	Ms.Archana Ganesh Said	Assistant Professor in Computer Engineering	17	....	....
12	Mr.Sugat Ramrao Pawar	Assistant Professor in Computer Engineering	13	....	....
13	Dr.Chetan Nimba Aher	Assistant Professor in Computer Engineering	10	0.9	….
14	Dr.Veena Suhas Bhende	Assistant Professor in Computer Engineering	8		....
15	Dr.Amrapali Shivaji Chavan	Assistant Professor in Computer Engineering	10.05	2	.....
16	Ms. Anuradha Shivajirao Varal	Assistant Professor in Computer Engineering	5	....	.....
17	Ms.Poonam Swapnil Jadhav	Assistant Professor in Computer Engineering	8.3	....	.....
18	Ms.Shradha Bhanudasrao Toney	Assistant Professor in Computer Engineering	12	2	….
19	Mrs. Farhana Sarvar Fatima Kazi Sayed	Assistant Professor in Computer Engineering	0.7	0	….
20	Dr.Suresh Vishnudas Limkar	Associate Professor in AI&DS Engineering	17	....	....
21	Dr.Rakesh Bapu Dhumale	Associate Professor in AI&DS Engineering	15	0	0
22	Dr.Sarika Amitraj Panwar	Assistant Professor in AI&DS Engineering	11	.....	.....
23	Mr.Ganesh Hari Wani	Assistant Professor in AI&DS Engineering	12	6	0
24	Ms. Pradnya Dattatraya Bormane	Assistant Professor in AI&DS Engineering	9	.....	.....
25	Ms.Sonal Bhimaji Kanawade	Assistant Professor in AI&DS Engineering	…	3	…

Place: Pune
Date: 12 February 2024

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

26	Ms. Sayali Aditya Belhe	Assistant Professor in AI&DS Engineering	5.8	2	....
27	Ms.Swati Dattatray Kadu	Assistant Professor in AI&DS Engineering	7.6	2	1
28	Dr.Mayura Vishal Shelke	Assistant Professor in AI&DS Engineering	8.3	....	....
29	Ms. Reshma Rajanand Owhal	Assistant Professor in AI&DS Engineering	4	....	....
30	Ms. Bhagyashree Dagadu Lambture	Assistant Professor in AI&DS Engineering	6.6	....	....
31	Mr.Satish Dnyaneshwarrao Kale	Assistant Professor in AI&DS Engineering	8	10	....
32	Ms. Rajshri Nagnath Malage	Assistant Professor in AI&DS Engineering	1.5	....	....
35	Mrs. Ravina Haribhu Malshikare	Assistant Professor in AI&DS Engineering	3.6	....	....
36	Mrs. Snehal Akshay Bagal	Assistant Professor in AI&DS Engineering	3	....	....
37	Dr. Shagufta Mohammad Sayeed Sheikh	Assistant Professor in AI&DS Engineering	....	3	....
38	Mrs.Madhuri Bhagavanta Thorat	Assistant Professor in AI&DS Engineering	4	....	....
38	Mr. Bajirao Baban Kondbhar	Assistant Professor in AI&DS Engineering	8	....	....
38	Dr. Meenakshi Anurag Thalor	Associate Professor in IT Engineering	17	....	....
39	Mr. Pritesh Kumar Patil	Assistant Professor in IT Engineering	20	…	….
40	Dr. Riyazahmed Abdulgani Jamadar	Assistant Professor in IT Engineering	23	2	….
41	Ms.Pragati Prashant Mahale	Assistant Professor in IT Engineering	15	….	….
42	Ms.Anuja Sandeep Phapale	Assistant Professor in IT Engineering	19.5	….	….
43	Ms.Jayashree Chandrakant Pasalkar	Assistant Professor in IT Engineering	15	....	....
44	Ms.Reshma Yogesh Totare	Assistant Professor in IT Engineering	16.5	….	….
45	Mr.Vikas Janardan Desai	Assistant Professor in E&TC Engineering	12.5	....	....
46	Mr.Prashant Balasaheb Wakhare	Assistant Professor in IT Engineering	11	2	….
47	Dr.Mrunal Kishor Phatak	Assistant Professor in IT Engineering	13.5	1	.....
48	Ms. Supriya Kumar More	Assistant Professor in IT Engineering	8	....	....
49	Ms. Punashri Mahadev Patil	Assistant Professor in IT Engineering	9	....	....

Place: Pune
Date: 12 February 2024

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

50	Dr. Dnyandeo Krishna Shedge	Professor in E&TC Engineering	35	....	....
51	Dr.Vinayak Kachardas Bairagi	Professor In E&TC Engineering	18	....	6
52	Dr. Chandrashekhar Someshwar Garde	Professor of Practice	21	.....	.....
53	Dr.Mohini Pramod Sardey	Associate Professor in E&TC Engineering	30	....	4
54	Dr.Mousami Sandeep Vanjale	Associate Professor in E&TC Engineering	20	1	5
55	Mr.Pandurang Abhimanyu Patil	Assistant Professor in Electronics Engineering	36	....	.....
56	Dr. Hemangi Deepak Shinde	Assistant Professor in E&TC Engineering	23	7	6
57	Mr.Venkat Namdeo Ghodake	Assistant Professor in E&TC Engineering	25	....	....
58	Mr.Milind Pralhad Gajare	Assistant Professor in E&TC Engineering	17	6	....
59	Mr.Devendra Anant Itole	Assistant Professor in E&TC Engineering	15	...	...
60	Dr. Shobha Sachin Nikam	Assistant Professor in E&TC Engineering	15.5	....	....
61	Ms. Mamta Sanjay Koban (Wanjre)	Assistant Professor in E&TC Engineering	14	....	....
62	Ms.Varsha Kiran Patil	Assistant Professor in E&TC Engineering	22	2	2
63	Mr. Sagar Babanrao Pokharkar	Assistant Professor in E&TC Engineering	16	....	....
64	Mr.Sachin Ratnakar Kokane	Assistant Professor in E&TC Engineering	13	....	....
65	Dr.Vineeeta Philip	Assistant Professor in E&TC Engineering	17	....	....
66	Ms. Archana Amol Randive	Assistant Professor in E&TC Engineering	11	....	....
67	Mr. Rahul Namdeo Jadhav	Assistant Professor in E&TC Engineering	9.5	1.5	....
68	Ms.Supriya Vikas Lohar	Assistant Professor in E&TC Engineering	18	....	....
69	Ms. Dipali Mahendra Yewale	Assistant Professor in E&TC Engineering	20	....	....
70	Mr. Chandrakant Khewaji Bhange	Assistant Professor in E&TC Engineering	14.5	2	....
71	Dr. Harshada Bhushan Magar	Assistant Professor in E&TC Engineering	14	…	…
72	Dr.Nilima Satish Warade	Assistant Professor in E&TC Engineering	13	....	....

Place: Pune
Date: 12 February 2024

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

73	Dr.Shashikant Madukar Bakre	Professor Electrical Engineering	6	35	.....
74	Dr. Ashapana Dilavar Shiralkar	Associate Professor Electrical Engineering	22	....	....
75	Mr. Sachin Vitthal Shelar	Assistant Professor in Electrical Engineering	23	2	3
76	Ms. Krutuja Shikrishna Gadgil	Assistant Professor in Electrical Engineering	21	....	....
77	Mr.Saurabh Sumant Shingare	Assistant Professor in Electrical Engineering	20	....	....
78	Ms. Shubhangi Sudhir Landge	Assistant Professor in Electrical Engineering	19	2	....
79	Mr.Vijaykumar Shankar Kamble	Assistant Professor in Electrical Engineering	25	....	....
80	Ms. Saba Kausar Mubeenahhed Shaikh	Assistant Professor in Electrical Engineering	16	2	....
81	Ms.Vaishali Prahladrao Kuralkar	Assistant Professor in Electrical Engineering	15	....	....
82	Mr. Prashant Prakash Mahajan	Assistant Professor in Electrical Engineering	20	4	2
83	Mr.Sandeep Dnyanu Raste	Assistant Professor in Electrical Engineering	10	2	....
84	Mr.Yogesh Rashinkar	Assistant Professor in Electrical Engineering	6.5	1	…
85	Mrs.Poonam Pramod Mane	Assistant Professor in Electrical Engineering	3	…	…
86	Dr. Amita Anirudha Shinde	Associate Professor in Instrumentation Engineering	16	….	….
87	Dr.Vandana Vishwanathrao Kale	Assistant Professor in Instrumentation Engineering	14	….	….
88	Mr.Hemant Pandurang Chaudhari	Assistant Professor in Instrumentation Engineering	25	….	….
89	Ms.Sheetal Vijay Kulkarni	Assistant Professor in Instrumentation Engineering	14.5	….	….
90	Mr.Jitenra Anand Khubani	Assistant Professor in Instrumentation Engineering (TPO)	7.4	….	….
91	Mr.Jagtap Sagar Satyawan	Assistant Professor in E&TC Engineering	12	....	....
92	Dr.Badri Naryan Mohapatra	Assistant Professor in Instrumentation Engineering	17	….	5
93	Mrs. Chitralekha Deepak Rananaware	Assistant Professor in Instrumentation Engineering	5	….	….
94	Ms. Sharmila Rajabhau Garthe	Assistant Professor in Instrumentation Engineering	1.6	…….	…….

Place: Pune
Date: 12 February 2024

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

95	Mr.Pradeep Uttamrao Palkar	Assistant Professor in Instrumentation Engineering	…….	…….	…….
96	Dr.Pramod Ganesh Musrif(Joshi)	Assistant Professor in Physics	16	5	8
97	Mr. Shriniwas Vasantrao Arlikar	Assistant Professor in Physics	30	2	2
98	Dr. Manisha Rakesh Raghuvanshi	Assistant Professor in Physics	6	....	....
99	Dr. Yogesh Pralhadrao Patil	Associate Professor in Chemistry	24	2	2
100	Dr.Nidhi Sharma	Assistant Professor in Chemistry	18	....	....
101	Mr.Prashant Gopal Mahajan	Assistant Professor in Chemistry	9.6	0.6	....
	Dr. Virendra Sudam Patil	Assistant Professor in Chemistry	1.3		10
102	Ms. Gayatri Nitin Mawale(Purnaye)	Assistant Professor in Civil Engineering	16	3	….
103	Ms. Atiya Nasir Khan Pathan	Assistant Professor in Civil Engineering	16	….	2
104	Mr.Amit Haresh Raheja	Assistant Professor in Civil Engineering	10.5	….	….
105	Mr.Vikram Dilip Deshmukh	Assistant Professor in Civil Engineering	8.5	2	….
106	Ms. Anupama Arunkumar Athavale	Assistant Professor in Civil Engineering	4.6	….	….
107	Mr.Amol Jagannath More	Assistant Professor in Mechanical Engineering	14	1	1
108	Mr.Shivaji Sitaram Gadadhe	Assistant Professor in Mechanical Engineering	13.1	....	....
109	Mr.Nitin Prakashrao Bhone	Assistant Professor in Mechanical Engineering	16	1	….
110	Mr.Asish Shankarrao Apate	Assistant Professor in Mechanical Engineering	7	2	....
112	Dr.Pritam Santosh Saha	Assistant Professor in Mechanical Engineering	4	....	....
113	Mr. Mahesh Balasaheb Nigade	Assistant Workshop Superintendent	11	….	….
114	Mr.Pandit Bandu Shinde	Assistant Professor in Mathematics	15.5	….	….
115	Mr.Pankaj Shyamnarayan Gaur	Assistant Professor in Mathematics	9.8	….	….
116	Dr.Dilip Shravan Shelar	Assistant Professor in Mathematics	23	….	….
117	Ms. Supriya Sudam Raskar	Assistant Professor in Mathematics	3	….	…..
118	Mr. Ramkrishna Baban Tope	Assistant Professor in Mathematics	11	….	….

Place: Pune
Date: 12 February 2024

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

119	Mr.Naushad Akbar Shaikh	Assistant Professor in Mathematics	4	….	….
120	Mr. Neeraj Devidas Gaikwad	Training and Placement Officer	24.8	….	….

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	2021-2022	13	11
2	2022-2023	25	18
3	2023-2024	12	11

(8) Profile of Principal and Faculty

Place: Pune
Date: 12 February 2024

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

- 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 – 30 Industry - 03 Research - 15
- Papers Published : National - 03 International – 78
- Papers Presented in Conference : National - 04 International – 69
- 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
5 Patents
1 Copyright

- Professional Membership : IEEE, ISTE, IETE, CSI and ISA,IJERIA,CSI,ISSS
- Consultancy Activities :NA
- Awards : 06
- 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: 12 February 2024

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

- Name of the Teaching Staff : Dr. Zaware Sarika N.

- Designation : 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 - 23Yrs Industry - Research -
- Papers Published : National - International – (Journal) 41
- Papers Presented in Conference : National - International – 07
- Ph.D Guide ? Give Field & University : Field - Computer Science and Engineering : Machine Learning,AI and data science University - SPPU Pune University
- PhDs / Projects Guided : PhDs - Projects at Masters level –

Books Published/IPRs/Patents (With Details) :

1. Business Intelligence, Technical Publication, ISBN 978-93-5585-290-8,2023
2. Management Information System, Central West Publishing, Australia, ISBN 978-1-925823-83-7,2020
3. Omni channel Marketing:The evolution of customer buying behavior in the smart phone Era, Aksara global Acadamia,Indonesia, 978-623-96683-6-5,2021
4. Television Advertisements: The role of ethics,values and morality in marketing, Unhan Press Indonesia, 978-623-6610-76-3,2021

- 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)

Place: Pune
Date: 12 February 2024

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

Organized by I2IT Pune.

- ❖ Grants Fetched : Received Research Grant of Rs.35, 000/- from BCUD

- ❖ Interaction with Professional Institutions :

- ❖ 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 - 26 Industry - Research - -
- ❖ Papers Published : National - 50 International – 05(Journal)
- ❖ Papers Presented in Conference : National - 01 International – 03
- ❖ Ph.D Guide ? Give Field & University - JJTU : Field -Wire and wireless Technology, AI/ML
- ❖ PhDs / Projects Guided : PhDs - 02 Projects at Masters level – 02
- ❖ Books Published/IPRs/Patents (With Details) : 01 STQA
- ❖ Professional Membership : LM-ISTE-30572, ACM- 7052189,ISTE Life Membership, IAENG Membership, IEEE membership
- ❖ Consultancy Activities : Nil
- ❖ Awards : Nil

Place: Pune
Date: 12 February 2024

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

- ❖ Grants Fetched : Nil
- ❖ Interaction with Professional Institutions : IIIT (Pune), COEP

- ❖ 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 Computer Engineering
- ❖ Total Experience in Years : Teaching - 21 Industry - Research -
- ❖ Papers Published : National - 2 International – 6
- ❖ Papers Presented in Conference : National - 2 International – Nil
- ❖ Ph.D Guide ? Give Field & : Field - University -

Place: Pune
Date: 12 February 2024

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

- 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 :

- Name of the Teaching Staff : Ms.MinalAbhijitZope

- Designation :Assistant Professor

- Department :Computer

- Date of Joining the Institution :29.7.2004

Place: Pune
Date: 12 February 2024

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

- Qualifications with Class/Grade :ME Computer, First Class,PhD Pursuing
- Total Experience in Years : Teaching –20 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 :

Place: Pune
Date: 12 February 2024

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

- ❖ 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, PhD Pursuing
- ❖ Total Experience in Years : Teaching – 21
- ❖ Industry - Nil Research - Nil
- ❖ Papers Published : National - 10 International – 2
- ❖ Papers Presented in Conference : National - 1 International –1
- ❖ 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

Place: Pune
Date: 12 February 2024

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

- 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), PhD Pursuing
- Total Experience in Years : Teaching - 20 years Industry - Research -
- Papers Published : National - 3 International – 14
- Papers Presented in Conference : National - 1 International – 03
- Ph.DGuide ? Give Field & University : Field - University - NIL
- PhDs / Projects Guided : PhDs - Projects at Masters level – NIL

Books Published/IPRs/Patents (With Details) : "Augmented and Virtual Reality", Tech-knowledge Publications

- Professional Membership : CSI ,ISTE
- Consultancy Activities : NIL
- Awards :NIL

Place: Pune
Date: 12 February 2024

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

- Grants Fetched : NIL
- Interaction with Professional Institutions : NIL

- 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, PhD Pursuing
- Total Experience in Years : Teaching - 15 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) :

Place: Pune
Date: 12 February 2024

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

- ❖ Professional Membership : CSI , ISTE
- ❖ Consultancy Activities : Social Media
- ❖ Awards : Best ORM Coordinator of AISSMS Institute, Best G.F.M 2011, 2017, Own Chess Competition 2022.
- ❖ Grants Fetched :
- ❖ Interaction with Professional Institutions :

- ❖ 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, PhD Pursuing
- ❖ Total Experience in Years : Teaching - 16 Yrs. Industry - Research -

Place: Pune
Date: 12 February 2024

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

- 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 :

- Name of the Teaching Staff :Mr Prashnat Shivling Sadaphule
- Designation :Assistant Professor

Place: Pune
Date: 12 February 2024

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

- Department :Computer Engineering
- Date of Joining the Institution :01/10/2008
- Qualifications with Class/Grade :ME Computer (Ist Class), PhD Pursuing
- Total Experience in Years : Teaching -15 Years Industry - Research -
- Papers Published : National - 16 International – 8
- Papers Presented in Conference : National - 10 International – 06
- 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

Place: Pune
Date: 12 February 2024

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

- 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, PhD Pursuing
- Total Experience in Years : Teaching - 18 Yrs Industry - Research -
- Papers Published : National - 18 International – (Journal) 15 (Conf) 1
- Papers Presented in Conference : National - 1 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 Life Membership (LM 58742)
- Consultancy Activities :
- Awards : Best Paper Award ICACECS-2022
- Grants Fetched :
- Interaction with Professional Institutions :

Place: Pune
Date: 12 February 2024

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

- Name of Staff : Mr. Sugat Ramrao Pawar
- Designation :Assistant Professor
- Department :Computer Engineering
- Date of Joining the Institution : 16/01/2012
- Qualifications with Class/Grade :M.Techin Electronics, First Class With Distinction,PhD Pursuing
- Total Experience in Years : Teaching – 13.5 Years Industry - 00 Research – 03 Years
- Papers Published : National - International – 06(Journal)
- Papers Presented in Conference : National - Nil International – 01
- Ph.DGuide ? Give Field & : Field - University -
- PhDs / Projects Guided : PhDs - Projects at Masters level –
- Books Published/IPRs/Patents (With Details) :Nil
- Professional Membership : IEEE

Place: Pune
Date: 12 February 2024

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

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

- ❖ Name of the Teaching Staff : Dr.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 ClassPh. D. (Computer Science & Engineering)

Place: Pune
Date: 12 February 2024

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

- Total Experience in Years : Teaching - 10 Years Industry - Nil Research - Nil
- Papers Published : National - Nil International – 10
- Papers Presented in Conference : National - 01 International – 08
- 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, Social Media
- Awards : Nil
- Grants Fetched : Nil
- Interaction with Professional Institutions : MKCL,

- Name of the Teaching Staff : Dr. VeenaSuhasBhende
- Designation : Assistant professor
- Department : Department of computer engineering

Place: Pune
Date: 12 February 2024

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

- Date of Joining the Institution : 12/07/2015
- Qualifications with Class/Grade : PhD(Computer Engineering) M.tech (First class with distinction)
- Total Experience in Years : Teaching – 10 Industry - Research -
- Papers Published : National - 03 International –
- Papers Presented in Conference : National - International – 02
- 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 :

Place: Pune
Date: 12 February 2024

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

- Name of the Teaching Staff : Dr. 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 in Computer Science and Engg.

- Total Experience in Years : Teaching - 12 Industry - 02 Research - Nil
- Papers Published : National - Nil International – 07
- Papers Presented in Conference : National - 02 International – 06
- Ph.D Guide ? Give Field & : Field - University
- PhDs / Projects Guided : PhDs -
- Projects at Masters level – : Nil

Books Published/IPRs/Patents (With Details) :01 [Technology, Innovation, Entrepreneurship and Start Up, Practice and Principles] Alpha International Publication, ISBN: 978-93-5762-067-3]

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

Place: Pune
Date: 12 February 2024

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

- Name of the Teaching Staff : Ms.AnuradhaShivajiraoVaral
- Designation : Assistant Professor
- Department : Computer Engineering
- Date of Joining the Institution : 10/06/2019
- Qualifications with Class/Grade : ME Computer Engineering (9.18),PhD Pursuing
- Total Experience in Years : Teaching – 6 Years Industry - Research –1.5
- Papers Published : National - 0 International – 1
- Papers Presented in Conference : National - 5 International – 3
- 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, DIVA Award 2022 (Aao Beat Kare-Sport category)

Place: Pune
Date: 12 February 2024

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

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

- ❖ Name of the Teaching Staff : Mrs. Poonam Swapnil Jadhav
- ❖ Designation : Assistant Professor
- ❖ Department : Computer Engineering
- ❖ Date of Joining the Institution : 25/06/2018
- ❖ Qualifications with Class/Grade : ME Computer Engineering (8.580 First Class with Distinction)
- ❖ Total Experience in Years : Teaching – 7 Years Industry - Research -
- ❖ Papers Published : National - International – 8
- ❖ Papers Presented in Conference : National - 1 International –
- ❖ Ph.DGuide ? Give Field & University : Field - - University - -
- ❖ PhDs / Projects Guided : PhDs - - Projects at Masters level – -

Place: Pune
Date: 12 February 2024

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

- Books Published/IPRs/Patents (With Details) : NIL
- Professional Membership : ISTE
- Consultancy Activities : NIL
- Awards :
- Grants Fetched : NIL
- Interaction with Professional Institutions : NIL

- Name of the Teaching Staff : Shraddha Bhanudasrao Toney
- Designation : Assistant Professor
- Department : Computer Engineering
- Date of Joining the Institution : 18/07/2022
- Qualifications with Class/Grade : ME Computer Engineering (First class with Distinction)
  PhD Pursuing in Computer Science and Engineering
- Total Experience in Years : Teaching - 14 Yrs Industry -2 Research -

Place: Pune
Date: 12 February 2024

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

- Papers Published : National - 02 International – 17
- Papers Presented in Conference : National - 02 International – 01
- Ph.DGuide ? Give Field &: Field - University - University
- PhDs / Projects Guided : PhDs - Projects at Masters level –
- Books Published/IPRs/Patents (With Details) : NIL
- Professional Membership : ISTE
- Consultancy Activities : NIL
- Awards : NIL
- Grants Fetched : NIL
- Interaction with Professional Institutions : NIL

- Name of the Teaching Staff : Farhana Kazi Sayed
- Designation : Assistant Professor

Place: Pune
Date: 12 February 2024

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

- Department : Computer Engineering
- Date of Joining the Institution : 02/01/2024
- Qualifications with Class/Grade : M.E(Computers)with Distinction
  B.E((Computers) with First Class
- Total Experience in Years : Teaching - 1Yrs Industry - 5 Research
- Papers Published : National - 4
- Papers Presented in Conference : National - 01 International – 01

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 : Nil

Membership,IEEE membership

- Consultancy Activities : Nil
- Awards : 1. Best paper of the session at ICUBEA 2019 IEEE International Conference.
- Interaction with Professional Institutions : Nil

Place: Pune
Date: 12 February 2024

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

- 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 - 16 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.

Place: Pune
Date: 12 February 2024

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

- Grants Fetched : Nil

- Interaction with Professional Institutions : Nil

- 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 - 16 Industry - Nil Research - Nil
- Papers Published : National - 03 International – 50
- Papers Presented in Conference : National - 02International – 10
- 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

Place: Pune
Date: 12 February 2024

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

- Professional Membership : NA
- Consultancy Activities : 01
- Awards : NA.
- Grants Fetched : 4,20,000/-
- Interaction with Professional Institutions : NA

- Name of the Teaching Staff : Mr. Ganesh Hari Wani
- Designation : Assistant Professor
- Department : Artificial Intelligence & Data Science
- Date of Joining the Institution : 07/08/2012
- Qualifications with Class/Grade : ME (E&TC)- First Class with Dist.
- Total Experience in Years : Teaching – 15Industry - 06 Research -
- Papers Published : National - 03 International – 2
- Papers Presented in Conference : National - 02 International – 1

Place: Pune
Date: 12 February 2024

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

- Ph.D Guide ? Give Field & :

- University - SPPU

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

Books Published/IPRs/Patents (With Details) :

- Professional Membership : ISTE

- Consultancy Activities :NA

- Awards : Nil

- Grants Fetched : Nil

- Interaction with Professional Institutions : Nil

- Name of the Teaching Staff : Dr. Sarika Amitraj Panwar

- Designation : Assistant Professor

Place: Pune
Date: 12 February 2024

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

- Department : Artificial Intelligence & Data Science
- Date of Joining the Institution : 08/07/2019
- Qualifications with Class/Grade : Ph. D, ME (E&TC)- First Class
- Total Experience in Years : Teaching – 21 Industry - Nil Research - 05
- Papers Published : National - Nil International – 22
- Papers Presented in Conference : National - 02 International – 08
- Ph.D Guide ? Give Field & : Field - Electronics and Tele-Communication
- University - SPPU
- PhDs / Projects Guided : PhDs - Nil Projects at Masters level – 04
- Books Published/IPRs/Patents (With Details) : 01Books, Book Chapter: 01

  3 Patents

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

  Institutions

Place: Pune
Date: 12 February 2024

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

- Name of the Teaching Staff : Ms. Pradnya D. Bormane
- Designation : Assistant Professor
- Department : Artificial Intelligence & Data Science
- Date of Joining the Institution : 15/06/2017
- Qualifications with Class/Grade : Ph. D pursuing, ME (Computer)- First Class
- Total Experience in Years : Teaching – 9 Industry - Nil Research – Nil
- Papers Published : National - 01 International – 02
- Papers Presented in Conference : National - 02 International – 01
- Ph.D Guide? Give Field & : Nil
- University - SPPU

Place: Pune
Date: 12 February 2024

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

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

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

- Professional Membership : IEEE, IEI
- Consultancy Activities : NA
- Awards : 00
- Grants Fetched : Nil
- Interaction with Professional : Nil

Institutions

- Name of the Teaching Staff : Mrs. Sonali Bhimaji Kanawade
- Designation : Assistant Professor
- Department : Artificial Intelligence & Data Science
- Date of Joining the Institution : 12/09/2022
- Qualifications with Class/Grade : ME (Computer)- First Class with distinction
- Total Experience in Years : Teaching – 1.5 Industry - 03 Research -

Place: Pune
Date: 12 February 2024

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

- Papers Published : National - 00 International – 2
- Papers Presented in Conference : National - 00 International – 00
- Ph.D Guide ? Give Field & : Field - Nil
- University - SPPU
- 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 : :
- Interaction with Professional :

Institutions

Place: Pune
Date: 12 February 2024

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

- Name of the Teaching Staff : Mrs. Sayali A. Belhe

- Designation : Assistant Professor
- Department : Artificial Intelligence and Data Science
- Date of Joining the Institution : 17/07/2022
- Qualifications with Class/Grade : Ph. D (pursuing), ME (IT)- First Class
- Total Experience in Years : Teaching – 6.2 Yrs Industry - 02 Yrs
- Papers Published : National - 00 International – 01
- Papers Presented in Conference : National - 01 International – 00
- Ph.D Guide, Give Field & : Field - Computer Engineering.
- University - ADYPU
- PhDs / Projects Guided : PhDs - 0 Projects at Masters level – 00

Books Published/IPRs/Patents (With Details): 05 Books, 1 Patent

- Professional Membership : IEEE, ISTE
- Consultancy Activities :NA
- Awards : 00
- Grants Fetched : NA

Place: Pune
Date: 12 February 2024

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

- Interaction with Professional Institutions : BoS Member.

- Name of the Teaching Staff : Ms. Swati D. Kadu
- Designation : Assistant Professor
- Department : Artificial Intelligence and Data Science
- Date of Joining the Institution : 17/07/2022
- Qualifications with Class/Grade : Ph. D (Pursuing) ME (IT) - First Class
- Total Experience in Years : Teaching – 08 Industry - 01
- Papers Published : National - 00 International – 03
- Papers Presented in Conference : National - 02 International – 00
- Ph.D Guide : NA : Field - Computer Engineering
- University - MITWPU
- PhDs / Projects Guided : PhDs - NA Projects at Masters level – NA
- Books Published/IPRs/Patents (With Details): 05 Books, 1 Patents

Place: Pune
Date: 12 February 2024

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

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

- Name of the Teaching Staff : Dr. Mayura Vishal Shelke
- Designation : Assistant Professor
- Department : Artificial Intelligence & Data Science
- Date of Joining the Institution : 18/07/2022
- Qualifications with Class/Grade : Ph. D, ME (Computer)- First Class

Place: Pune
Date: 12 February 2024

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

- Total Experience in Years : Teaching –11 Industry - 00 Research - 00
- Papers Published : National - 00 International – 19
- Papers Presented in Conference : National – 01 International – 01
- Ph.D Guide ? Give Field & : -
- University -
- PhDs / Projects Guided : PhDs - 00 Projects at Masters level – 00

Books Published/IPRs/Patents (With Details) :4 Books, 6 Patents

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

Place: Pune
Date: 12 February 2024

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

- Name of the Teaching Staff : Ms. Reshma Rajanand Owhal
- Designation : Assistant Professor
- Department : Artificial Intelligence & Data Science
- Date of Joining the Institution : 17/07/2022
- Qualifications with Class/Grade : B.E (COMPUTER ENGINEERING), M.E (COMPUTER ENGINEERING) - First Class with Distinction, Ph. D (pursuing).
- Total Experience in Years : Teaching - 03 Industry - 01 Research - 0
- Papers Published : National - 0 International – 08
- Papers Presented in Conference : National -01 International –
- Ph.D Guide ? Give Field & : Computer Engineering.
- University - SPPU
- PhDs / Projects Guided : PhDs - Projects at Masters level –
    - Books Published/IPRs/Patents (With Details) :
- Professional Membership : ISTE
- Consultancy Activities :NA
- Awards : 00
- Grants Fetched :NA

Place: Pune
Date: 12 February 2024

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

❖ Interaction with Professional : BoS Member.

❖ Name of the Teaching Staff : Ms. Bhagyashree D. Lambture

❖ Designation : Assistant Professor

❖ Department : Artificial Intelligence and Data Science

❖ Date of Joining the Institution : 17/07/2022

❖ Qualifications with Class/Grade : Ph. D (pursuing), ME (Comp. Engg)- First Class

❖ Total Experience in Years : Teaching – 07 Yrs Industry - 00 Yrs

❖ Papers Published : National - 02 International – 04

❖ Papers Presented in Conference : National - 00 International – 00

❖ Ph.D Guide, Give Field & : Field - Computer Engineering.

❖ University - ADYPU

Place: Pune
Date: 12 February 2024

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

❖ PhDs / Projects Guided : PhDs - 0 Projects at Masters level – 00

Books Published/IPRs/Patents (With Details): 01Books, 1 Patent

❖ Professional Membership : IEEE, ISTE

❖ Consultancy Activities :NA

❖ Awards : Nill

❖ Grants Fetched : NA

❖ Interaction with Professional Institutions : NA

❖ Name of the Teaching Staff : Mr. S. D. Kale

❖ Designation : Assistant Professor

❖ Department : Artificial Intelligence and Data Science

❖ Date of Joining the Institution : 06/03/2023

Place: Pune
Date: 12 February 2024

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

- ❖ Qualifications with Class/Grade : ME (Software engineering) - First Class
- ❖ Total Experience in Years : Teaching – 08 Industry - 07
- ❖ Papers Published : National - 00 International – 01
- ❖ Papers Presented in Conference : National - 00 International – 00
- ❖ Ph.D Guide : NA : Field - NA
- ❖ University - NA
- ❖ PhDs / Projects Guided : PhDs - NA Projects at Masters level – NA
- ❖ Books Published/IPRs/Patents (With Details): 00
- ❖ Professional Membership : NA.
- ❖ Consultancy Activities :NA
- ❖ Awards : NA
- ❖ Grants Fetched : NA
- ❖ Interaction with Professional : NA
    - o Institutions

Place: Pune
Date: 12 February 2024

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

- Name of the Teaching Staff : Ms. R. N. Malage
- Designation : Assistant Professor
- Department : AI&DS
- Date of Joining the Institution : 10/7/2023
- Qualifications with Class/Grade : M.Tech.(CSE)
- Total Experience in Years : Teaching - 1.5
- Papers Published : National - 00 International – 00
- 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 – 00
- Books Published/IPRs/Patents : Nil
- Professional Membership : Nil

Place: Pune
Date: 12 February 2024

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

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

- Name of the Teaching Staff : Mrs. Snehal Akshay Bagal
- Designation : Assistant Professor
- Department : Artificial intelligence and Data Science
- Date of Joining the Institution : 10/10/2023
- Qualifications with Class/Grade : ME (Computer Engg.)- First Class
- Total Experience in Years : Teaching - 03

Place: Pune
Date: 12 February 2024

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

- Papers Published : National - 01 International – 00
- Papers Presented in Conference : National - 00 International – 00
- Ph.D Guide ? Give Field & : NA
- University -
- PhDs / Projects Guided : PhDs - NA Projects at Masters level – NA

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

- Professional Membership : NA
- Consultancy Activities :NA
- Awards : 05
- Grants Fetched : NA
- Interaction with Professional Institutions : NA

.

Place: Pune
Date: 12 February 2024

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

- Name of the Teaching Staff : Dr. Shagufta Md. S. Sheikh

- Designation : Assistant Professor
- Department : Artificial Intelligence & data Science
- Date of Joining the Institution : 30/10/2023
- Qualifications with Class/Grade : Ph. D, ME (COMPUTER)- First Class With Distinction
- Total Experience in Years : Industry - 03
- Papers Published : National - 0International – 04
- Papers Presented in Conference : National - 0International – 03
- Ph.D Guide ? Give Field & : Field -
- University -
- PhDs / Projects Guided : 00 Projects at Masters level – 00
- Books Published/IPRs/Patents (With Details) : 00
- Professional Membership :
- Consultancy Activities :NA
- Awards : NA
- Grants Fetched :NA

Place: Pune
Date: 12 February 2024

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

❖ Interaction with Professional :

❖ Name of the Teaching Staff : Ms. Madhuri B. Thorat

❖ Designation : Assistant Professor

❖ Department : Artificial Intelligence and Data Science

❖ Date of Joining the Institution : 17/01/2024

❖ Qualifications with Class/Grade : Ph. D (pursuing), ME (Computer Engineering)- Distinction with First Class

❖ Total Experience in Years : Teaching – 5.3 Yrs Industry - 00 Yrs

❖ Papers Published : National - 00 International – 10

❖ Papers Presented in Conference : National - 02 International – 03

❖ Ph.D Guide, Give Field & : Field - Computer Engineering.

❖ University - SPPU

Place: Pune
Date: 12 February 2024

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

- PhDs / Projects Guided : PhDs - 0 Projects at Masters level – NA

Books Published/IPRs/Patents (With Details): 1 Books, 1 Patent

- Professional Membership : ISTE
- Consultancy Activities :0
- Awards : 00
- Grants Fetched : 0
- Interaction with Professional Institutions : NA

- Name of the Teaching Staff : Dr. Meenakshi A. Thalor
- Designation : Associate Professor
- Department : Information Technology
- Date of Joining the Institution : 13/6/2017
- Qualifications with Class/Grade : Ph. D. (Computer Engineering)

Place: Pune
Date: 12 February 2024

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

- ❖ Total Experience in Years : Teaching - 17yrs 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.
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

Place: Pune
Date: 12 February 2024

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

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

❖ 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

Place: Pune
Date: 12 February 2024

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

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: 12 February 2024

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

- ❖ Name of the Teaching Staff : Mr.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 - 20 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 :

Place: Pune
Date: 12 February 2024

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

- 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)

- Name of the Teaching Staff : Mr.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 -23 Industry - 5 Research - Nil
- Papers Published : National - 20 International – 20
- Papers Presented in Conference : National - 04 International – 02
- Ph.D Guide ? Give Field & University : Field - University - No.
- PhDs / Projects Guided : PhDs - Projects at Masters level –

Books Published/IPRs/Patents (With Details) :

- Professional Membership : ISTE
- Consultancy Activities : Nil

Place: Pune
Date: 12 February 2024

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

- Awards : Research Ratna Award IJRULA Awards
- Grants Fetched : Nil
- Interaction with Professional : 1. Delivered C++ training for corporates at Iconnect.
  2. Delivered Java training for corporates at Acorn Infotech.

Institutions

- 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 - 14 Industry -1 Research - 0
- Papers Published : National - 5 International – 5
- Papers Presented in Conference : National - 2 International – Nil
- Ph.D Guide ? Give Field & : Field - University -

Place: Pune
Date: 12 February 2024

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

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

- 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

Place: Pune
Date: 12 February 2024

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

- Total Experience in Years : Teaching - 18.5 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
- Name of the Teaching Staff : Ms. Jayashree C. Pasalkar

Place: Pune
Date: 12 February 2024

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

- 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 - 14Years 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 :

Place: Pune
Date: 12 February 2024

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

- 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 – 15.5 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

Place: Pune
Date: 12 February 2024

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

(Signature)

- 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 – 11 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

Place: Pune
Date: 12 February 2024

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

- ❖ Consultancy Activities :NA
- ❖ Awards : Best International Paper Award 2020
- ❖ Grants Fetched : NA
- ❖ Interaction with Professional Institutions : NA

- ❖ 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 -13.5 years Industry-1 year Research -Nil
- ❖ Papers Published : National - 00 International – 21
- ❖ Papers Presented in Conference : National - 05 International – 06

Place: Pune
Date: 12 February 2024

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

- ❖ 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

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

Place: Pune
Date: 12 February 2024

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

- Date of Joining the Institution : 29 July 2011
- Qualifications with Class/Grade : M-Tech (Distinction), PhD Pursuing.
- Total Experience in Years : Teaching – 11.5 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: 12 February 2024

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

- Name of the Teaching Staff : Ms.Supriya Kumar More
- Designation : Assistant professor
- Department : Information Technology
- Date of Joining the Institution : 18/07/2022
- Qualifications with Class/Grade : M.Tech(CS)Distinction
- Total Experience in Years : Teaching - 8.6 Industry - Research -
- Papers Published : National - International – 10
- Papers Presented in Conference : National - International –
- Ph.D Guide ? Give Field & : Field -
- University -
- PhDs / Projects Guided : PhDs - Projects at Masters level

Books Published/IPRs/Patents (With Details) :

1Patents

1 Copyright

- Professional Membership :ISTE
- Consultancy Activities :NA
- Awards : -

Place: Pune
Date: 12 February 2024

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

- Grants Fetched :-

Interaction with Professional : -

- Name of the Teaching Staff : Ms. Punashri M Patil
- Designation : Assistant Professor
- Department : Information Technology
- Date of Joining the Institution : 18/07/2022
- Qualifications with Class/Grade : M.Tech (CS)- First Class with distinction
- Total Experience in Years : 12
- Papers Published : National - International – 7
- Papers Presented in Conference : National -2 International – 3
- Ph.DGuide ? Give Field & :
- University -

Place: Pune
Date: 12 February 2024

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

- PhDs / Projects Guided :

Books Published/IPRs/Patents (With Details) :

3 Patents

1 Copyright

- Professional Membership : ISTE

- Consultancy Activities :NA

- Awards :

- Grants Fetched :

- Interaction with Professional :

- Name of the Teaching Staff : Dr.Dnyandeo Krishna Shedge

- Designation : Professor

- Department : E & TC Engineering

- Date of Joining the Institution : 1st Dec 2003

Place: Pune
Date: 12 February 2024

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

- Qualifications with Class/Grade : PhD(E&TC), ME (Electronics)& BE(Electronics) 1st class

- Total Experience in Years : Teaching - 35 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: 12 February 2024

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

- 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 - 17 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

Place: Pune
Date: 12 February 2024

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

- ❖ 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)
- ❖ Interaction with Professional Institutions : Yes
- ❖ Name of the Teaching Staff : Dr MohiniPramodSardey

- ❖ Designation : Associate 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 - 29 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

Place: Pune
Date: 12 February 2024

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

- 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.

- 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 - 36 Industry - 00 Research - 00
- Papers Published : National - 00 International – 00
- Papers Presented in Conference : National - 01 International – 00
- Ph.DGuide ? Give Field &:Nil

Place: Pune
Date: 12 February 2024

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

- 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

- 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

Place: Pune
Date: 12 February 2024

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

- Total Experience in Years : Teaching - 21 Industry - 01 Research - 08
- Papers Published : National - International – 30
- Papers Presented in Conference : National - 4 International – 11
- 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
- Name of the Teaching Staff : Dr.MrsHemangi Deepak Shinde

Place: Pune
Date: 12 February 2024

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

- 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: 12 February 2024

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

- 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

Place: Pune
Date: 12 February 2024

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

- Grants Fetched : Yes (BCUD, SPPU research grant, “Diagnosis for Alzheimer disease”. (Rs 1.6 lakh- 2016-18)
- Interaction with Professional Institutions : Yes

- 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 - 17 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

Place: Pune
Date: 12 February 2024

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

University, Technical Publications

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

- 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 - 15 Industry - Research -
- Papers Published : National - International – 16

Place: Pune
Date: 12 February 2024

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

- 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

- Name of the Teaching Staff : Dr.Shobha Sachin Nikam
- Designation : Assistant Professor

Place: Pune
Date: 12 February 2024

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

- 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)
- Total Experience in Years : Teaching – 15.5 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: 12 February 2024

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

- ❖ 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 - 13 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

Place: Pune
Date: 12 February 2024

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

3

- 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 - 21 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

Place: Pune
Date: 12 February 2024

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

- **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

- 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 –16 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 –

Place: Pune
Date: 12 February 2024

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

Books Published/IPRs/Patents (With Details) :

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

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

Place: Pune
Date: 12 February 2024

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

- Qualifications with Class/Grade : M.Tech

  PhD Pursuing

- Total Experience in Years : Teaching - 13 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

Place: Pune
Date: 12 February 2024

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

- ❖ 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 - 16 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: 12 February 2024

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

- 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 –11 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

Place: Pune
Date: 12 February 2024

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

- Awards :Nil
- Grants Fetched : Nil
- Interaction with Professional Institutions : Nil

- 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 9.5 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 & : NoField - University -

Place: Pune
Date: 12 February 2024

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

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

- Name of the Teaching Staff :Ms.SuprriyaVikasLohar
- Designation : Assistant Professor
- Deprtment : E & TC Engineering
- Date of Joining the Institution : 6/01/2010

Place: Pune
Date: 12 February 2024

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

- Qualifications with Class/Grade : M.E. E& TC, First Class
- Total Experience in Years : Teaching - 17 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
- Name of the Teaching Staff : Ms.DeepaliMahendraYewale

Place: Pune
Date: 12 February 2024

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

- 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 -19yrs 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: 12 February 2024

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

- 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 - 13.5 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: 12 February 2024

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

- 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 – 14 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

Place: Pune
Date: 12 February 2024

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

- Consultancy Activities :NIL
- Awards : NIL
- Grants Fetched : 1.33 Lac for Antenna workshop(March 2018)
- Interaction with Professional Institutions : Nil

- 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

Place: Pune
Date: 12 February 2024

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

- 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 :

- Name of the Teaching Staff : Dr. Ashpana Dilawar Shiralkar
- Designation : Associate Professor
- Department : Electrical

Place: Pune
Date: 12 February 2024

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

- Date of Joining the Institution : 07/10/2002
- Qualifications with Class/Grade : Ph.D (Electrical Engg)
- Total Experience in Years : Teaching - 22 Industry - 00 Research - 01
- Papers Published : National - 04 International – 10
- Papers Presented in Conference : National - 02 International – 06
- Ph.D Guide Give Field University : 00
- PhDs / Projects Guided : PhDs - NIL Projects at Masters level – 05
- Books Published/IPRs/Patents (With Details): Books – NIL
  - Patent – NIL
- Professional Membership : IEEE,ISTE,IEI
- Consultancy Activities : NIL
- Awards :
- National level " Vishesh Sevashree Puraskar" (Education Sector) by
  - Shree Foundation, Sangli.
- Student Branch Counselor of the year 2018 by IEEE Pune Section.
- Best Paper Award in ESCI 2022.
- Best Paper Award in NCASETSD 2022.

Place: Pune
Date: 12 February 2024

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

- ❖ Grants Fetched : BCUD:2 Lakh
- ❖ Interaction with Professional : NIL

- ❖ Name of the Teaching Staff : Dr. Shashikant Madhukar Bakre
- ❖ Designation : Assistant Professor
- ❖ Department : Electrical
- ❖ 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
- ❖ Total Experience in Years : Teaching - 05 Industry - 35 Research - 00
- ❖ Papers Published : National - 25 International – 70
- ❖ Papers Presented in Conference : National - 25 International – 70
- ❖ Ph.D Guide Give Field University : 02 Jain University
- ❖ PhDs / Projects Guided : PhDs - 02 Projects at Masters level – 10

Place: Pune
Date: 12 February 2024

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

- ❖ Books Published/IPRs/Patents (With Details): Books – 15
  - Patent – 01
- ❖ Professional Membership : IE(I), ISTE
- ❖ Consultancy Activities : NIL
- ❖ Award :
  - Best paper Award ESCI 2022,
  - Best Paper Award in NCASETSD 2022.
- ❖
- ❖ Grants Fetched : NIL
- ❖ Interaction with Professional : NIL

- ❖ Name of the Teaching Staff : Mr. Sachin V. Shelar
- ❖ Designation : Assistant Professor
- ❖ Department : Electrical
- ❖ Date of Joining the Institution : 01/07/2000
- ❖ Qualifications with Class/Grade : M.E. - First Class Dist. Ph.D (Pursuing)

Place: Pune
Date: 12 February 2024

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

- ❖ Total Experience in Years : Teaching - 21 Industry - 03 Research - 10

- ❖ Papers Published : National - 06 International – 25

- ❖ Papers Presented in Conference : National - 03 International – 03

- ❖ Ph.D Guide Give Field University : 00

- ❖ PhDs / Projects Guided : PhDs - 00 Projects at Masters level – 04

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

- ❖ Grants Fetched : 3000 GBP UKIERI Grant

  - 1 Lakh SPPU BCUD grant to purchase equipment
  - 12 Lakh AICTE MODROB grant

Place: Pune
Date: 12 February 2024

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

- ❖ Interaction with Professional : NIL

- ❖ Name of the Teaching Staff : Mrs. Krutuja Shrikrishna Gadgil
- ❖ Designation : Assistant Professor
- ❖ Department : Electrical
- ❖ Date of Joining the Institution : 15/07/2005
- ❖ Qualifications with Class/Grade : M.E. - First Class
- ❖ Total Experience in Years : Teaching - 20 Industry - 00 Research - 00
- ❖ Papers Published : National - 00 International – 17
- ❖ Papers Presented in Conference : National - 07 International – 00
- ❖ Ph.D Guide Give Field University : 00
- ❖ PhDs / Projects Guided : PhDs - 00 Projects at Masters level – 03
- ❖ Books Published/IPRs/Patents (With Details): Books – 01
  - Power System Operation & control Technical Publications
  - Patent – 00
- ❖ Professional Membership : ISTE, IE(I), IANG
- ❖ Consultancy Activities : NIL

Place: Pune
Date: 12 February 2024

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

- ❖ Awards : 1st in PVG COET at M.E. Electrical Power System
- ❖ Grants Fetched :In 2007, 25000/- from MEDA
- ❖ Interaction with Professional : NIL

- ❖ Name of the Teaching Staff : Mr. Shingare Saurabh S.
- ❖ Designation : Assistant Professor
- ❖ Department : Electrical
- ❖ Date of Joining the Institution : 07/08/2006
- ❖ Qualifications with Class/Grade : M.E. Electrical (Power Systems) – First Class
- ❖ Pursuing Ph.D
- ❖ Total Experience in Years : Teaching - 20 Industry - 00 Research - 02
- ❖ Papers Published : National - 00 International – 38
- ❖ Papers Presented in Conference : National - 03 International – 01
- ❖ Ph.D Guide Give Field University : 00

Place: Pune
Date: 12 February 2024

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

❖ PhDs / Projects Guided : PhDs - 00 Projects at Masters level – 01

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

- Basic Electrical Engineering (JNTU Anantpur) (2013)
- ❖ Basic Electrical Engineering (Shivaji University) (2013)
- Basic and Advanced Electrical Engineering (Nagpur) (2013)
- ❖ Patent – 00

❖ Professional Membership : Indian Society for Technical Education Life Member **LM67638**

- The Institution of Engineers (India) **M-1704162**
- International Association of Engineers Membership **No 270012**

❖ Consultancy Activities : NIL

❖ Awards :

❖ SAMVIT "Tech-Bizz 16" Designing the future today. Runner up in project competition.

❖ Grants Fetched : For special practical conduction in Switchgear and Protection laboratory from various Engineering Institutes.

❖ Interaction with Professional : NIL

❖ Name of the Teaching Staff : Mr. Vijaykumar S. Kamble

❖ Designation : Assistant Professor

❖ Department : Electrical

Place: Pune
Date: 12 February 2024

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

- ❖ Date of Joining the Institution : 16/03/2009
- ❖ Qualifications with Class/Grade : M.E. - First Class
- ❖ Total Experience in Years : Teaching - 22 Industry - 00 Research - 00
- ❖ Papers Published : National - 00 International – 25
- ❖ Papers Presented in Conference : National - 00 International – 01
- ❖ Ph.D Guide Give Field University : 00
- ❖ PhDs / Projects Guided : PhDs - 00 Projects at Masters level – 0
- ❖ Books Published/IPRs/Patents (With Details): Books – 02
  - Patent – 01
- ❖ Professional Membership : ISTE, IEI
- ❖ Consultancy Activities : NIL
- ❖ Awards : NIL
- ❖ Grants Fetched : NIL
- ❖ Interaction with Professional : NIL

Place: Pune
Date: 12 February 2024

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

- ❖ Name of the Teaching Staff : Mrs. Landge Shubhangi Sudhir
- ❖ Designation : Assistant Professor
- ❖ Department : Electrical
- ❖ Date of Joining the Institution : 06/08/0007
- ❖ Qualifications with Class/Grade : M.E. - First Class
- ❖ Total Experience in Years : Teaching – 21 Industry - 00 Research - 00
- ❖ Papers Published : National - 06 International – 08
- ❖ Papers Presented in Conference : National - 02 International – 02
- ❖ Ph.D Guide Give Field University : 00
- ❖ PhDs / Projects Guided : PhDs - 00 Projects at Masters level – 05
- ❖ Books Published/IPRs/Patents (With Details): Books – 04
    - Power System Operation and Control, Technical Publications,Pune, ISBN-978-93-332-1153-6
    - Power System Analysis, Tech max Publications, Pune, ISBN- 978-93-5077-960-6
    - Electrical Power System, Tech max Publications, Pune, ISBN- 978-93-5077-627-8
    - Power System Analysis and Simulation, Tech max Publications, Pune, ISBN-978-93-5077-627-8

Place: Pune
Date: 12 February 2024

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

- ❖ Professional Membership : 1.Indian Society for Technical Education Life Member **LM 52810**
- ❖ The Institution of Engineers (India) **AM1630310**
- ❖ Consultancy Activities : NIL
- ❖ Awards : NIL
- ❖ Grants Fetched : NIL
- ❖ Interaction with Professional : NIL

- ❖ Name of the Teaching Staff : Mrs. Saba K. M. Shaikh
- ❖ Designation : Assistant Professor
- ❖ Department : Electrical
- ❖ Date of Joining the Institution : 06/07/2009
- ❖ Qualifications with Class/Grade : M.Tech. - Power System- Distinction,
  - Ph.D Pursuing
- ❖ Total Experience in Years : Teaching -16 Industry - 02 Research - 00
- ❖ Papers Published : National - 00 International – 12
- ❖ Papers Presented in Conference : National - 00 International – 03

Place: Pune
Date: 12 February 2024

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

- ❖ Ph.D Guide Give Field University : NA

- ❖ PhDs / Projects Guided : PhDs - NA Projects at Masters level – 01

- ❖ Books Published/IPRs/Patents (With Details): **Books – 03/06**

  - o **High Voltage Engineering**- Mumbai University- Tech Max Publications July 2015 ISSN/ ISBN-978-93-5224-091-3 First Edition July 2015
  - o **Material Science**- Pune University – Technical Publications. ISSN/ISBN 9789350991732 First Edition -Jan 2014
  - o Electronics Engineering Materials and Components- RTMU Nagpur University - Electrotech Publications- Engineering Series, ISSN/ISBN -978-93-8375-219-5 First Edition 26 Jan 2013
  - o High Voltage Engineering- Pune University- Tech Max Publications ISBN-978-93-5077-510-3

- ❖ First Edition - Jan.2014
  - o High Voltage Engineering-Savitribai Phule Pune University- TechMax Publications ISBN-978-93-5077-510-3

- ❖ First Edition - Jan.2016
  - o High Voltage Engineering- Gujarat University- Tech Max Publications ISSN/ ISBN-978-81-8492-724-5 First Edition April 2011

- Patent – 00

- ❖ Professional Membership : 1] ISTE member LM 67653

  - 2] IEI Member M-157483-8
  - 3] IEEE student member Member#98790765

- ❖ Consultancy Activities : 1. Provided Consultancy to the students of Raisoni College of
  - o Engineering and Technology for designing and fabricating a "Tesla Coil".

- ❖ Provided Consultancy to the students of Universal College of Engineering & Research for designing and fabricating a High Voltage Corona cage to be able to see, "Corona Discharge in Cylindrical Cage".
  - o 3.. Carried out testing of material for BE Chemical Engg Student of AISSMS COE.
  - o 4.Carried out testing of High Voltage Engineering practical's for Universal College of Engineering & Research

- ❖ Awards : 1.**Cambridge International Certificate for Teachers and**
  - o **Trainers**- Distinction

- ❖ **Gold Medal** for securing Highest marks in subject "Electrical Power" of VI semester DEE.

- ❖ **Sixth Rank in Pune University**In Third Year of B.E. (Bachelor of Engg.)

- ❖ Grants Fetched : NIL

- ❖ Interaction with Professional : Active member of the PG Cell.

Place: Pune
Date: 12 February 2024

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

- ❖ Name of the Teaching Staff : Mrs. Vaishali. A Yawale (V.P.Kuralkar)
- ❖ Designation : Assistant Professor
- ❖ Department : Electrical

Place: Pune
Date: 12 February 2024

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

- ❖ Date of Joining the Institution : 01/10/2008
- ❖ Qualifications with Class/Grade : M.E. - First Class
- ❖ Total Experience in Years : Teaching - 15 Industry - 00 Research - 00
- ❖ Papers Published : National - 00 International – 17
- ❖ Papers Presented in Conference : National - 05 International – 03
- ❖ Ph.D Guide Give Field University : 00
- ❖ PhDs / Projects Guided : PhDs - 00 Projects at Masters level – 0
- ❖ Books Published/IPRs/Patents (With Details): Books – 00
  - Patent – 00
- ❖ Professional Membership : IE(I) M-1704170
  - ISTE LM 67652
  - ISLE A.1394
- ❖ Consultancy Activities : 1) Romex Technology (provided training for 2 days)
- ❖ Awards : (1) Received BEST CABIN DISPLAY AWARD 2011-2012
  - Departmental level
- ❖ Grants Fetched : NIL
- ❖ Interaction with Professional : NIL

Place: Pune
Date: 12 February 2024

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

- ❖ Name of the Teaching Staff : Mr. Prashant P Mahajan
- ❖ Designation : Assistant Professor
- ❖ Department : Electrical
- ❖ Date of Joining the Institution : 18/07/2013
- ❖ Qualifications with Class/Grade : M.E. - First Class
- ❖ Total Experience in Years : Teaching - 19 Industry - 04 Research - 00
- ❖ Papers Published : National - International –
- ❖ Papers Presented in Conference : National - International –
- ❖ Ph.D Guide Give Field University : 00
- ❖ PhDs / Projects Guided : PhDs - 00 Projects at Masters level – 0
- ❖ Books Published/IPRs/Patents (With Details): Books – 00
  - Patent – 00
- ❖ Professional Membership : IE(I), ISTE, IAENG
- ❖ Consultancy Activities : NIL
- ❖ Awards : NIL

Place: Pune
Date: 12 February 2024

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

- ❖ Grants Fetched : NIL
- ❖ Interaction with Professional : NIL

- ❖ Name of the Teaching Staff : Mr. Sandip Dnyanu Raste
- ❖ Designation : Assistant Professor
- ❖ Department : Electrical
- ❖ Date of Joining the Institution : 10/06/2019
- ❖ Qualifications with Class/Grade : M.Tech. - Power System- First Class Distinction,
  - Ph.D Pursuing
- ❖ Total Experience in Years : Teaching - 11 Industry - 02 Research - 00
- ❖ Papers Published : National - 00 International – 03
- ❖ Papers Presented in Conference : National - 00 International – 01

Place: Pune
Date: 12 February 2024

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

- ❖ Ph.D Guide Give Field University : 00
- ❖ PhDs / Projects Guided : PhDs - 00 Projects at Masters level – 0
- ❖ Books Published/IPRs/Patents (With Details): Books – 01
- ❖ Network Analysis ISBN 978-93-5563-576-1
  - Patent – 00
- ❖ Professional Membership : ISTE, IE(I), IAENG
- ❖ Consultancy Activities : NIL
- ❖ Awards : NIL
- ❖ Grants Fetched : NIL
- ❖ Interaction with Professional : NIL

- ❖ Name of the Teaching Staff : Mr. Yogesh Dilip Rashinkar
- ❖ Designation : Assistant Professor

Place: Pune
Date: 12 February 2024

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

- ❖ Department : Electrical
- ❖ Date of Joining the Institution : 08/02/2023
- ❖ Qualifications with Class/Grade : M.E. - First Class
- ❖ Total Experience in Years : Teaching - 08 Industry - 04 Research - 00
- ❖ Papers Published : National - 00 International – 01
- ❖ Papers Presented in Conference : National - 00 International – 00
- ❖ Ph.D Guide Give Field University : 00
- ❖ PhDs / Projects Guided : PhDs - 00 Projects at Masters level – 0
- ❖ Books Published/IPRs/Patents (With Details): Books – 00
  - Patent – 00
- ❖ Professional Membership : IE(I), IAENG
- ❖ Consultancy Activities : NIL
- ❖ Awards : NIL
- ❖ Grants Fetched : NIL
- ❖ Interaction with Professional : NIL

Place: Pune
Date: 12 February 2024

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

- Name of the Teaching Staff : Mrs. Poonam P. Mane
- Designation : Assistant Professor
- Department : Electrical
- Date of Joining the Institution : 21/08/2023
- Qualifications with Class/Grade : M.E. - First Class
- Total Experience in Years : Teaching - 06 Industry - 00 Research - 00
- Papers Published : National - 00 International – 02
- Papers Presented in Conference : National - 00 International – 00
- Ph.D Guide Give Field University : 00
- PhDs / Projects Guided : PhDs - 00 Projects at Masters level – 0
- Books Published/IPRs/Patents (With Details): Books – 00
  - Patent – 00
- Professional Membership : ISTE, NFEES

Place: Pune
Date: 12 February 2024

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

- ❖ Consultancy Activities : NIL
- ❖ Awards : NIL
- ❖ Grants Fetched : NIL
- ❖ Interaction with Professional : NIL

- ❖ Teaching Staff : Dr. Amita A. Shinde
- ❖ Designation : Associate Professor and Head of the Department
- ❖ Department : Instrumentation Engineering
- ❖ Date of Joining the Institution : 03/09/2007
- ❖ Qualifications with Class/Grade : Ph. D, ME (Instrumentation)- First Class
- ❖ Total Experience in Years : Teaching –17, Industry - 1.5, Research - 05 Years
- ❖ Papers Published : National - 0 International – 26
- ❖ Papers Presented in Conference : National - 0 International – 03

Place: Pune
Date: 12 February 2024

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

- ❖ Ph.D Guide : No. Give Field : : Field : -
- ❖ University - SPPU
- ❖ PhDs / Projects Guided : PhDs - NA Projects at Masters level – NA
- ❖ Books Published/IPRs/Patents (With Details) : 1 Book chapter
- ❖ 3 Patents
- ❖ Professional Membership : ISTE and ISOI
- ❖ Consultancy Activities :NA
- ❖ Awards : 03
- ❖ Grants Fetched :
- ❖ The research proposal submitted to University of Pune received grant of Rs. 1.00 lakh for project Biomedical image indexing and retrieval.
- ❖ Interaction with Professional : Nil.
    - Institutions

❖ Name of teaching staff : Mr. Hemant Pandurang Chaudhari

Place: Pune
Date: 12 February 2024

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

❖ Designation	Assistant Professor
❖ Department	Instrumentation Engineering
❖ Date of joining the institution	02/07/2001
❖ Qualifications with class/Grade	M. Tech. First class
❖ Total experience in years	Teaching-26 Yrs. Industry-01 Yr.
❖ Papers published	National-00 International-19
❖ Papers presented in conference	National-01 International-00
❖ Ph. D guided	Nil
❖ University	SPPU
❖ Ph. D/Projects guided	Undergraduate level: 30
❖ Books Published/IPRs/Patents (With Details)	Nil
❖ Professional Membership	ISTE, ISOI
❖ Consultancy Activities	NA
❖ Awards	01
❖ Grants Fetched	Nil
❖ Interaction with Professional Institution	Education chair, International Society of Automation (ISA) in 2017

❖ Teaching Staff : Dr. Vandana Vishwanathrao Kale

Place: Pune
Date: 12 February 2024

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

- Designation : Assistant Professor
- Department : Instrumentation Engineering
- Date of Joining the Institution : 28/12/2009
- Qualifications with Class/Grade : Ph. D, MTech (Instru)- First Class
- Total Experience in Years : Teaching – 14 Industry - Nil Research - 03
- Papers Published : National - 01 International – 20
- Papers Presented in Conference : National - Nil International – Nil
- Ph.D Guide ? Give Field & : Field - Instrumentation Engineering
- University - SPPU
- PhDs / Projects Guided : PhDs - Nil Projects at Masters level – Nil

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

- Professional Membership : ISTE, ISOI and ISA
- Consultancy Activities :NA
- Awards :

1. Awarded with Elite Certificate in NPTEL online course of Introduction to Biostatistics in Nov. 2023.
2. Awarded with Elite with Silver and Topper Certificate in NPTEL online course of Python for data science in May 2023.
3. Appointed as a Reviewer of Machine Learning Research(MLR) journal with ISSN Print: 2637-5672; ISSN Online: 2637-5680 from November 4, 2022 to November 4, 2024
4. Advisory Editor and Reviewer of journal International Journal of Ingenious Research, Invention and Development from Jan 2023 to Dec 2023
5. Awarded with BYST Mentor development programme certificate

- Grants Fetched :

The proposal submitted to University of Pune and received grant of Rs.20,000/- for workshop for faculties on “Research Methodologies in Field Programmable Gate Arrays”

Place: Pune
Date: 12 February 2024

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

- Interaction with Professional Institutions : Board member of ISA Pune Section in AY 2022-23

- 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 –15 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/-)

Place: Pune
Date: 12 February 2024

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

- Interaction with Professional Institutions : Nil

- Name of the Teaching Staff : Mr.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 - 12 Industry - Research -
- Papers Published : National - 1 International –
- Papers Presented in Conference : National - 1 International –
- Ph.DGuide ? Give Field & : Field - University -
    - University
- PhDs / Projects Guided : PhDs - Projects at Masters level –
- Books Published/IPRs/Patents (With Details) :
- Professional Membership : ISTEE , IEEE
- Consultancy Activities :
- Awards :

Place: Pune
Date: 12 February 2024

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

❖ Grants Fetched : 3.00 LAKH (SPPU ASPIRE 2019-21)

❖ Name of the Teaching Staff : Mr.Jitendra Anand Khubani

❖ Designation : Assistant Professor

❖ Department : Instrumentation Engineering

❖ Date of Joining the Institution : 05/08/2019

❖ Qualifications with Class/Grade :

- Diploma in Industrial Electronics Engineering with 75.85%
- Bachelor of Engineering (B.E.in Biomedical Engineering) with 61.46%
- Master of Engineering (M.E. in Instrumentation & Control (Process Instrumentation)) with 8.52 Grade

❖ Total Experience in Years : Teaching –6.4 Industry - 5.5 Research -0

❖ Papers Published : National - 00 International – 06

❖ Papers Presented in Conference : National -00 International – 01

Place: Pune
Date: 12 February 2024

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

- ❖ Ph.D Guide ? Give Field & University : Field -Nil University - Nil
  - o University
- ❖ 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 : Nil
  - o Institutions

- ❖ Name of the Teaching Staff : Dr.Badri Narayan mohapatra

- ❖ Designation : Assistant Professor
- ❖ Department : Instrumentation Engineering
- ❖ Date of Joining the Institution : 26/06/2018

Place: Pune
Date: 12 February 2024

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

- 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 & : Field - Nil University - Nil
  - University

- 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 : Nil
  - Institutions

Place: Pune
Date: 12 February 2024

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

- Name of the Teaching Staff : Mrs. Chitralekha Deepak Rananaware
- Designation : Assistant Professor
- Department : Instrumentation Engineering
- 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 & : Field - NA University - NA
  - University
- PhDs / Projects Guided : PhDs - Projects at Masters level –
- Books Published/IPRs/Patents (With Details) :
- Professional Membership : NA
- Consultancy Activities :-
- Awards : -

Place: Pune
Date: 12 February 2024

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

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

- ❖ Name of the Teaching Staff : Ms.Garthe Dharmala Rajabhu
- ❖ Designation : Assistant Professor
- ❖ Department : Instrumentation Engineering
- ❖ Date of Joining the Institution :
- ❖ Qualifications with Class/Grade : , M. Tech (E&TC)- First Class
- ❖ Total Experience in Years : Teaching –1.5 Yrs Industry - 00 Research:00
- ❖ Papers Published : National - 00 International – 00
- ❖ Papers Presented in Conference : National - 00 International – 00
- ❖ Ph.D Guide ? Give Field & : No
- ❖ University - SPPU
- ❖ PhDs / Projects Guided : PhDs - Projects at Masters level – NA

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

Place: Pune
Date: 12 February 2024

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

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

- NameoftheTeachingStaff :Mr.PradeepUttamraoPalkar
- Designation :AssistantProfessor
- Department :InstrumentationEngineering
- DateofJoiningtheInstitution :07/08/2023
- QualificationswithClass/Grade :ME(ProcessInstrumentation)-FirstClass
- TotalExperienceinYears :Teaching–11Industry-00 Research-00
- PapersPublished :National-02 International–00

Place: Pune
Date: 12 February 2024

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

- PapersPresentedinConference:National-00 International–00
- Ph.D.Guide?GiveField& :NA
- University-NA
- PhDs / Projects Guided :PhDs -NA ProjectsatMasterslevel–NA Books Published/IPRs/Patents (With Details) :NA
  3Patents
  1Copyright
- ProfessionalMembership :ISTE
- ConsultancyActivities :NA
- Awards :00
- GrantsFetched :NA
- Interaction with Professional Institutions :NA

- Name of the Teaching Staff : Dr. Yogesh P. Patil
- Designation : Associate Professor

Place: Pune
Date: 12 February 2024

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

- ❖ 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 - 23 Industry - 00 Research - 02
- ❖ Patent : Applied - 08 Published - 05 Granted 01
- ❖ Papers Published : National - 01 International – 25
- ❖ Papers Presented in Conference : National - 02 International – 27
- ❖ 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

Books

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

Place: Pune
Date: 12 February 2024

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

- 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 antib acter ial 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
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

Place: Pune
Date: 12 February 2024

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

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

Place: Pune
Date: 12 February 2024

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

- 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 - 17 Industry - Research – 04
- Papers Published : National - 0 International – 5
- 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) : Worked as Editor for Oswal Publication class 10TH CHEMISTRY BOOK, Fort flag E-book

- Professional Membership : Life time member of ISCA & ISTE
- Consultancy Activities :
- Awards :
- Grants Fetched :

Place: Pune
Date: 12 February 2024

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

❖ Interaction with Professional : Institutions

❖ Name of the Teaching Staff : Prof. Shriniwas Vasantrao 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 - 32 Industry - - Research - 02

❖ Papers Published : National - 1 International –1

❖ Papers Presented in Conference : National - 1 International – -

❖ Ph.D Guide - 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

Place: Pune
Date: 12 February 2024

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

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

- Name of the Teaching Staff : Dr. Pramod Ganesh 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 16 Industry - Research - 5.6
- Papers Published : National - International – 08

Place: Pune
Date: 12 February 2024

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

- Papers Presented in Conference : National 10 International – 02
- 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 and ASI
- Consultancy Activities : -
- Awards :-
- Grants Fetched : Grants received from BCUD, SPPU Pune of Rs. 3.2 Lac
- Interaction with Professional Institutions :-

- Name of the Teaching Staff : Dr. Manisha R Raghuvanshi
- Designation : Assistant Professor
- Department : Engineering Sciences

Place: Pune
Date: 12 February 2024

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

- Date of Joining the Institution : 10/07/2023
- Qualifications with Class/Grade : Msc. (Physics) PhD,
- Total Experience in Years : Teaching - 6 Research - 6
- Papers Published : National - International – 06
- Papers Presented in Conference : National - 1 International – 3
- Ph.D Guide - Give Field & :
- 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 : National Taiwan University, Academia Sinica

Place: Pune
Date: 12 February 2024

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

- 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 - 16 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

Place: Pune
Date: 12 February 2024

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

- 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 - 12 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 :

Place: Pune
Date: 12 February 2024

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

- Grants Fetched :
- Interaction with Professional Institutions :

- Name of the Teaching Staff : Mr. Amit Haresh 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 - 10.6 years Industry - Research - 02 yrs
- Papers Published : National - International – 03
- Papers Presented in Conference : National - International –
- Ph.D Guide -Give Field & University : Field - University -

Place: Pune
Date: 12 February 2024

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

- 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 :

- 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

Place: Pune
Date: 12 February 2024

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

- Qualifications with Class/Grade : M-TECH MECHANICAL ENGINEERING first class with Distinction

- Total Experience in Years : Teaching - 15 years Industry - 1 Research – 03

- Papers Published : National - 01 International –12

- Papers Presented in Conference : National - 02 International – 01

- 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 and 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

Place: Pune
Date: 12 February 2024

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

- Name of the Teaching Staff : Mr.Shivaji Sitaram 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 – 14 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, Innovative Technologist & Dedicated Teaching Professional Award
- Grants Fetched :SWO
- Interaction with Professional Institutions : Nil

Place: Pune
Date: 12 February 2024

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

- Name of the Teaching Staff : Mr. Nitin Prakashrao Bhone
- 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 :

Place: Pune
Date: 12 February 2024

(Authorized Signature)
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Pune-1

- Interaction with Professional Institutions :

- Name of the Teaching Staff : Mr. Ashish Shankarrao Apate
- Designation : Assistant Professor
- Department : Engineering Sciences
- Date of Joining the Institution : 14/06/2019
- Qualifications with Class/Grade : ME (Design Engineering) with Ist class
- Total Experience in Years : Teaching – 8.5 yrs Industry - 4 yrs Research -
- Papers Published : National - International – 4
- 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) :

Place: Pune
Date: 12 February 2024

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Dr Pradeep B Mane
Principal, AISSMSIOIT,
Pune-1

- ❖ Professional Membership : ISTE, IRED , IAENG
- ❖ Consultancy Activities :
- ❖ Awards :
- ❖ Grants Fetched :
- ❖ Interaction with Professional Institutions : Sainath Engineering and Machinary

- ❖ Name of the Teaching Staff : Mr. Mahesh Balasaheb Nigade
- ❖ 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 - 10 Industry - 10 Research -

Place: Pune
Date: 12 February 2024

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Dr Pradeep B Mane
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Pune-1

- Papers Published : National - 01 International – 05
- Papers Presented in Conference : National - 03 International –
- Ph.D Guide -Give Field & : Field -PHD mechanical Pursuing University - Savitribai Phule Pune university PUNE
-
- PhDs / Projects Guided : PhDs - Projects at Masters level –
  Books Published/IPRs/Patents (With Details) :
- Professional Membership : ISTE
- Consultancy Activities :AISSMS CNC , VMC training center pune
- Awards :
- Grants Fetched :
- Interaction with Professional Institutions :

- Name of the Teaching Staff : Mr. Pandit Bandu Shinde
- Designation : Assistant Professor

Place: Pune
Date: 12 February 2024

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

- 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 - 11 Industry - 06 Months 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 : -----

Place: Pune
Date: 12 February 2024

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

- Name of the Teaching Staff : 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 Ist class
- Total Experience in Years : Teaching - 03 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 :

Place: Pune
Date: 12 February 2024

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

- Name of the Teaching Staff : Dr. Dilip Shravan Shelar
- Designation : Assistant Professor
- Department : Engineering Sciences
- Date of Joining the Institution : 01/02/2021
- Qualifications with Class/Grade : M.Sc (Mathematics) with IInd class, M.Phil with Ist class, Ph.D
- 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 :

Place: Pune
Date: 12 February 2024

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

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

- ❖ Name of the Teaching Staff : Dr. Pritam Saha
- ❖ Designation : Assistant Professor
- ❖ Department : Dept. of Engineering Science
- ❖ Date of Joining the Institution : 01/09/2022
- ❖ Qualifications with Class/Grade :Ph. D (Cryogenic Engineering),
  M. Tech. (Manufacturing Technology) – First Class
  B. Tech (Mechanical Engineering) – First Class
- ❖ Total Experience in Years : Teaching –1.3 Industry - 00 Research - 00
- ❖ Papers Published : National - 02 International – 03

Place: Pune
Date: 12 February 2024

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Dr Pradeep B Mane
Principal, AISSMSIOIT,
Pune-1

- ❖ Papers Presented in Conference : National – 01 International – 02

- ❖ Ph.D Guide - 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 : Nil

- ❖ Consultancy Activities : Nil

- ❖ Awards : 01

- ❖ Grants Fetched : Nil

- ❖ Interaction with Professional Institutions : Nil

- ❖ Name of the Teaching Staff : Mr. Naushad Akbar Shaikh

- ❖ Designation : Assistant Professor

Place: Pune
Date: 12 February 2024

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

- Department : Engineering Sciences
- Date of Joining the Institution : 21/11/2022
- Qualifications with Class/Grade : M.Sc Maths, SET
- Total Experience in Years : Teaching –07 Industry - 00 Research - 00
- Papers Published : National - 00 International – 00
- Papers Presented in Conference : National - 00 International – 00
- Ph.D Guide - Give Field & : Field - --
- University - SPPU
- PhDs / Projects Guided : PhDs - 00 Projects at Masters level – 00

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

- Professional Membership : IEEE
- Consultancy Activities :NA
- Awards : 00
- Grants Fetched : NA
- Interaction with Professional Institutions : NA

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Place: Pune
Date: 12 February 2024

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

- Name of the Teaching Staff : Ms. Anupama Arunkumar Athawale
- Designation : Assistant Professor
- Department : Engineering Sciences
- Date of Joining the Institution : 01/09/2022
- Qualifications with Class/Grade : Ph. D(Pursuing), ME (Construction and Management)- First Class with distinction
- Total Experience in Years : Teaching – 05 Industry - 00 Research - 00
- Papers Published : National - 01 International – 02
- Papers Presented in Conference : National - 01 International – 0
- Ph.DGuide ? Give Field & : NA
- University - NA
- PhDs / Projects Guided : NA

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

- Professional Membership : NA
- Consultancy Activities :NA
- Awards : 00
- Grants Fetched : NA
- Interaction with Professional Institutions : NA

Place: Pune
Date: 12 February 2024

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

- Name of the Teaching Staff : Mr . Vikram Dilip Deshmukh
- Designation : Assistant Professor
- Department : Civil Engineering
- Date of Joining the Institution : 19/07/2022
- Qualifications with Class/Grade : ME (C&M)- First Class
- Total Experience in Years : Teaching –8.5 Industry - 00 Research - 00
- Papers Published : National - 00 International – 3
- Papers Presented in Conference : National - 0 International – 0
- Ph.D Guide - Give Field & :
- University - SPPU
- PhDs / Projects Guided : PhDs - 0 Projects at Masters level – 0

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

- Professional Membership : -

Place: Pune
Date: 12 February 2024

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

- ❖ Consultancy Activities :NA
- ❖ Awards : -
- ❖ Grants Fetched :----
- ❖ Interaction with Institutions :

- ❖ Name of the Teaching Staff : Mr. Ramkrishna Baban Tope
- ❖ Designation : Assistant Professor
- ❖ Department : Engineering Sciences
- ❖ Date of Joining the Institution : 16/11/2022
- ❖ Qualifications with Class/Grade : M.Sc Maths, SET
- ❖ Total Experience in Years : Teaching –09 Industry - 00 Research - 00
- ❖ Papers Published : National - 00 International – 00
- ❖ Papers Presented in Conference : National - 00 International – 00

Place: Pune
Date: 12 February 2024

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

- ❖ Ph.D Guide - Give Field & : Field - --
- ❖ University - SPPU
- ❖ PhDs / Projects Guided : PhDs - 00 Projects at Masters level – 00

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

- ❖ Professional Membership : Nil
- ❖ Consultancy Activities :NA
- ❖ Awards : 00
- ❖ Grants Fetched : NA
- ❖ Interaction with Professional Institutions : NA

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- ❖ Name of the Teaching Staff : Miss.SupriyaSudamRaskar

- ❖ Designation : Assistant Professor

Place: Pune
Date: 12 February 2024

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

- Department : Dept. of Engineering Science

- Date of Joining the Institution : 18/07/2022

- Qualifications with Class/Grade :M.Sc – First Class, SET, NET
  B.Sc – First Class

- Total Experience in Years : Teaching –03 Industry - 00 Research - 00

- Papers Published : National - 00 International – 00

- Papers Presented in Conference : National – 01 International – 00

- Ph.D Guide - 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 : Nil

- Consultancy Activities : Nil

- Awards : Nil

- Grants Fetched : Nil

- Interaction with Professional Institutions : Nil

Place: Pune
Date: 12 February 2024

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

- Name of the Teaching Staff : Dr. Virendra. S. Patil
- Designation : Assistant Professor
- Department : Dept. of Engineering Science
- Date of Joining the Institution : 26/02/2024
- Qualifications with Class/Grade : Post-doctorate (South Korea)
  Ph. D (Chemistry),
  M. Sc. – Higher Second Class
  B. Sc. – First Class
- Total Experience in Years : Teaching –1.7 Industry - 1.8 Research –9.2
- Papers Published : National - 00 International – 16
- Papers Presented in Conference : National – 00 International – 07
- Ph.D Guide - 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 : Nil
- Consultancy Activities : Nil
- Awards : Nil
- Grants Fetched : Nil
- Interaction with Professional Institutions : Nil

Place: Pune
Date: 12 February 2024

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

- ❖ Name of the Teaching Staff : Mr.Neeraj Devidas Gaikwad
- ❖ Designation : T&P Officer
- ❖ Department : Training and Placement Department
- ❖ 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

Place: Pune
Date: 12 February 2024

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

- ❖ 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

- ❖ Name of the Teaching Staff : Dr.Deepali Sureshchandra More
- ❖ Designation : Physical Director
- ❖ 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 –13.2 Industry - Research - 0
- ❖ Papers Published : National - 02 International – 01
- ❖ Papers Presented in Conference : National - 02 International – 02

Place: Pune
Date: 12 February 2024

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Dr Pradeep B Mane
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Pune-1

❖ 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

❖ Name of the Teaching Staff : Ms. Pushpa Vitthal Hirave

❖ Designation : Librarian

❖ Department : Central Library

Place: Pune
Date: 12 February 2024

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

- 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 - 11 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: 12 February 2024

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

- 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- 14 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: 12 February 2024

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Pune-1

(9) Fees

S. No.	Name of the Programmes	Seats	Duration	Fees in Rupees	Hostel Fees
1	Computer Engineering	120	4 years	107500/-	135000/-
2	Electrical Engineering	60	4 years	107500/-	135000/-
3	Instrumentation Engineering	60	4 years	107500/-	135000/-
4	Electronics & Tele-communication	120	4 years	107500/-	135000/-
5	Information Technology	60	4 years	107500/-	135000/-
6	Artificial Intelligence and Data Science	120	4 years	107500/-	135000/-
7	M.E.Power Electronics & Drives	18	2 years	57000/-	135000/-
8	M.E. VLSI and Embedded System	18	2 years	57000/-	135000/-

Details of fee, as approved by State Fee Committee, for the Institution	Tuition fees of **Rs. 93478/-**
	Development fees of **Rs. 14,022/-**
	Total fees of Rs. 1,07,500/-
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	2023-24:24 2022-23: 22 2021-22: 24 2020-21: 20
Number of scholarship offered by the Institution, duration and amount	2023-24: 03 2022-23:02 2021-22:06 2020-21: 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. 135000/-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: 12 February 2024

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Pune-1

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

Sr No.	Under Graduate (UG)	2021-2022	2022-2023	2023-2024	Post Graduate (PG)	2020-2021	2022-2023	2023-2024
1	SC	46	50	54	SC	1	0	1
2	ST	60	11	13	ST	0	0	0
3	VJNT		46	50	VJNT			
4	SBC		14	13	SBC			
5	OBC	137	176	185	OBC	0	0	0
6	SEBC	0	0	0	SEBC	0	0	0
7	Open	313	289	262	Open	1	0	12
Total		556	586	577	Total	2	0	13

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

Sr No	Particulars	Academic Year 2022-2023	Academic Year 2023-2024
1	No of application received	123	128
2	No of admitted students	85	86

(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	

Place: Pune
Date: 12 February 2024

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Pune-1

	The policy of refund of the fee, in case of withdrawal, shall be clearly notified	

(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		
		2021-22	2022-23	2023-24
1	Electrical Engineering	81.08-1.00	91.04 – 8.38	89.48 - 73.25
2	Electronics and Telecommunication Engineering	93.15-5.44	93.75 – 19.84	94.10-91.37
3	Computer Engineering	96.93-22.90	98.65 – 24.87	98.71-95.88
4	Information Technology	96.10-12.11	96.49 – 44.93	95.87-95.31

Place: Pune
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Principal, AISSMSIOIT,
Pune-1

5	Instrumentation Engineering	79.96-10.13	83.24 – 4.19	80.98-64.09
6	Artificial Intelligence and Data Science	95.75-12.70	95.81 – 10.49	95.90-94.25

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

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

(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)	
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

Place: Pune
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Pune-1

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

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

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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
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

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

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	AI & DS	15	168	-	6	5169
2	Computer Engineering	985	6902	294	6	
3	Electrical Engineering	747	4372	309	6	
4	Electrical Engineering (ME)	66	232	-	12	
5	Instrumentation Engineering	620	3268	229	6	
6	Electronics & Tele-communication	1443	7578	149	6	
7	Electronics & Tele-communication (ME)	70	329	-	12	
8	Information Technology	573	2760	318	6	
9	Engineering Science (First Year)	451	3813	822	-	
10	General	293	781	-		
	Total	**5263**	**30203 (As Per Accession Register)**			
11	Donated Books	361	447	-		
12	BCUD Books	103	105			
13	Book Bank (SWF)	175	1226	-		
	Total	**5902**	**31981 (A)**	**2491 (B)**		
	Grand Total (A + B)		**34472**			

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

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3.	DELNET Consortium	5000+ Full text e journals, 320 engineering e books

Laboratory and Workshop

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,

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12	Three Phase Series Inverter with Motor	01	POWERCON		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 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

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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 % Differential relay) (MDE Make specification)	01	MD Electricals	20040220/ 302	3 pahse 415V/230V, AC, Delta Star Transformer, 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

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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 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/P600FXFD,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.

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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 Pvt.Ltd.	SPG-531A-0090K	Elspec pure black box pure 3 phase class A continuous 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

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					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 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)

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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

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

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	15	32550.00	488250.00

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	HD RAM: 4GB RAM DDR3 Display: 18.5" wide LED Display Screen DVD RW Drive Graphics: Integrated onboard Graphics Card SMPS: with Cabinet Keyboard			
	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: HP Scanjet 5590 digital flatbed scanner	1	19950.00	19950.00
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

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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
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

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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

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

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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

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

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

Place: Pune
Date: 12 February 2024

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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
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

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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
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 Kit	01	12/02/2008	59,753.00	59,753.00
9	UV-VIS Spectrophotometer	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 Processor)	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 Bradley PLC	01	08/01/2007	1,50,847.00	1,50,847.00
16	Control Valve Trainer Kit Characteristics(Se&c)	01	26/02/2008	50,203.00	50,203.00
17	Hydraulic trainer(Adiron)	01	23/04/2008	1,32,890.60	1,32,890.00

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18	Electro Pneumatic Trainer (Adiron)	01	23/04/2008	68,906.25	68,906.25
19	Flow Level Loop(SAP)	01	25/03/08	1,12,500.00	1,12,500.00
20	Temp.Pressure Loop (SAP)	01	25/03/08	1,30,950.00	1,30,950.00
21	Programmable Logic controller withControl panel	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 control Trainer	01	29/09/2014	7,74,000.00	7,74,000.00
24	Micrologix PLC Allen Brandly 1766 L32BXB	01	16/5/17	61,200.00	61,200.00
25	VWSB015 AENE Factory Talk	01	16/5/17	1,88,500.00	1,88,500.00
26	VWSTEN E-Factory Talk Enterprise	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/-

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

Place: Pune
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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-10NLS08 Uoo 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

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

Place: Pune
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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		Wavelength :632.8 nm

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			Sourav santific		,Output Power :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	VHS 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

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22	Deign 3:8 decoder for binary to octal decoding	Trainer Kit , Connecting Probes 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

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16	Study & testing of ACB.	Switchgear Testing kit 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
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.	

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18	Study of Star Delta Starter in Induction motor.	Tank with coil arrangement. Star Delta Starter Panel.
19	Traffic Light Control by using SCADA	
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

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9	Measurement of resistance by ammeter voltmeter method.	ammeter ,voltmeter, Single phase auto transformer
10	Displacement measurement by LVDT.	LVDT kit,CRO
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

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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 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

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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 professional software such as ETAP, PSCAD, ATP etc.	PC 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

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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
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

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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		
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).

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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. 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.

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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 thermocouple & to obtain characteristics of different thermocouples.	Multimeter, Thermocouple
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		

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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	--
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

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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
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

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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-iitg.vlabs.ac.in/Introduction_blockr.html	Phase Induction Motor, Ammeter, Voltmeters , Vlab
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	--

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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	--
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

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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 CCS and Tiva library	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.

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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	
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:	Digital Trainer kit

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	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.	
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. b.Design and Implement MOD-N and MOD-NN using IC-74LS93 and draw Timing diagram.	Digital Trainer kit
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.	

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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 (AR from interface using packet capture and analysis tool	Wireshark software , 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 Server.	Cisco packet tracer software., 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

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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

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:	Google Colaboratory

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	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	
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

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	MY SQL software

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	application using SQL DML statements: all types of Join and Sub- Query.	
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 ceiver using hardware kit	Kit, DSO
3	Study of BFSK transmitter and receiver using hardware kit	Kit, DSO
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

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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. No.	Name Experimental Setup	Equipment required
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

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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 & display the Tag ID on I2C LCD screen	Arduino UNO, RFID reader with tag ,PC with Arduino 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-I2E.	ESP 8266 WiFi module, DHT 11, Bread board, PC with Arduino IDE, Connecting wires

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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-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.-	

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	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
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

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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 Class'. Write a PL/SQL block for using procedure created with above requirements. Stud_Marks (name, total_marks) Result (Roll, Name, Class)	MySQL

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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 Tools: C++/Java/ Python
3	Implement Greedy search algorithm for any of the following application: I.SelectionSort II. Minimum Spanning Tree	Desktop Computer Processor: Core i3 Processor

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	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	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
10	Designand developcustom Application (MiniProject) usingSalesforceCloud.	Desktop Computer Processor: Core i3 Processor RAM 4 GB OS: Ubuntu

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		Tools: C++/Java/ Python
11	Mini-Project SetupyourowncloudforSoftwareasaService(SaaS)overtheexistingLANinyourlaboratory. In this assignment you have to write your own code for cloud controller using open-sourcetechnologiestoimplementwithHDFS.Implementthebasicoperationsmaybeliketo dividethe filein segments/blocksanduploadl/download fileon/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 4GB RAM/1 TB HardDisk, Linux OS Lex and Yacc Tools
8	Implement Local and Global Code Optimizations such as Common Sub-Expression Elimination,	Desktop Computer-Core-i3processor

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	Copy Propagation, Dead-Code Elimination, Loop and Basic-Block Optimizations. (Optional)	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 instructions Block containing data can be	NASM 64 bit Software , Ubuntu OS

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	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 fit line for this data.	Desktop PC Core i3, 4 GB RAM, 500 GB Hard Disk Operating System Ubuntu 20.04 LTS Software package: Python.

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	<table><tr><th>Number of hours spent driving (x)</th><th>Risk score on a scale of 0-100 (y)</th></tr><tr><td>10</td><td>95</td></tr><tr><td>9</td><td>80</td></tr><tr><td>2</td><td>10</td></tr><tr><td>15</td><td>50</td></tr><tr><td>10</td><td>45</td></tr><tr><td>16</td><td>98</td></tr><tr><td>11</td><td>38</td></tr><tr><td>16</td><td>93</td></tr></table>	
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 classification on a dataset obtained from	Desktop PC Core i3, 4 GB RAM, 500 GB Hard Disk Operating System Ubuntu 20.04 LTS

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	UCI ML repository. For Example: Fruits Classification or Soil Classification or Leaf Disease Classification	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, Synonym	Desktop PC Core i3, 4 GB RAM, 500 GB Hard Disk Operating System Ubuntu 20.04 LTS Software package: MySQL.

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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.

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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

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14	Create simple objects and array objects using JSON	Desktop PC Core i3, 4 GB RAM, 500 GB Hard Disk Operating System Ubuntu 20.04 LTS Software package: JAVA, JSON, XML
15	Write a program to implement MongoDB database connectivity with PHP/ py-thon/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,	Eclipse IDE /Netbeans , Core i3, 500Gb SATA HD RAM: 4GB RAM, Windows 10 operating system

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	division, square of number etc. a) Design calculator interface like text field 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

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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
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)		

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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
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

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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-pass macro-processor. The output of assignment-3 (MNT, MDT and file without any macro definitions) should be input for this assignment.	Eclipse IDE , Core i3, 500Gb SATA HD 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)	Eclipse IDE , Core i3, 500Gb SATA HD RAM: 4GB RAM

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	2. Optimal algorithm	

Sr. No.	Name Experimental Setup	Equipment required
Laboratory: Computer Network and Security Lab (507)		
1	Setup a wired LAN using Layer 2 Switch. 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.	Desktop Computer ,Core i3 processor, 4GB 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	Desktop Computer ,Core i3 processor, 4GB RAM Tools:Wireshark

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	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. 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	Desktop Computer ,Core i3 processor, 4GB RAM Tools: UBUNTU,NASM

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	numbers. Use successive addition and add and shift method. (use of 64-bit registers is expected).	
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
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	Desktop Computer ,Core i3 processor, 4GB RAM Software:Java/C/C++/Pyhton

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	Tree/Single-Source Shortest Path Problem/Job Scheduling Problem	
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 facilities/Help desks management/Employee performance evaluation/Stock market trading/Airline scheduling and cargo schedules	Desktop Computer ,Core i3 processor, 4GB RAM Software:Java/C/C++/Python
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	Lenovo Desktop PC 4GB RAM 500 GB HDD, Core i3 Processor Python IDE Pychram

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	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	
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 smallest value in row i and the largest value in j.	Lenovo Desktop PC 4GB RAM 500 GB HDD, Core i3 Processor Python IDE Pychram
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	Lenovo Desktop PC 4GB RAM 500 GB HDD, Core i3 Processor Gedit editor on Ubuntu Codeblock for C++ on windows

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	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. 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]

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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,
3	DevelopaprograminC++tocreateadatabase ofstudent'sinformationsystemcontainingt he 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.Makeuseofcons tructor,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,

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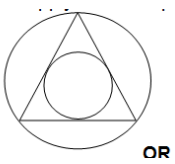
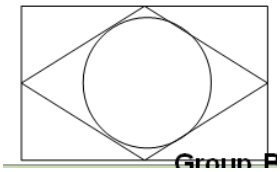
7	Write C++ program using STL for sorting and searching user defined records such as personal records (Name, DOB, Telephone number etc) using vector container.OR Write C++ program using STL for sorting and searching user defined records such as Item records (Item code, name, cost, quantity etc) using 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 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.	[Practical are implemented using Eclipse Editor] 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,

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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,
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.	[Practical are implemented using Eclipse Editor] Linux OS, 64 Bit Quad Core Processor,

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	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.	
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,

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,	Lenovo Desktop PC 4GB RAM 500 GB HDD, Core i3 Processor Python IDE Pychram

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	g. Difference between two sets, h. Subset	
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 recursive) and then delete the entire tree.	Lenovo Desktop PC 4GB RAM 500 GB HDD, Core i3 Processor Gedit editor on Ubuntu 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

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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
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":	PC 64-bit open-source

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	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.	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/ CSS/Bootstrap/ JavaScript.	PC 64-bit open-source software
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

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	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 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. 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	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz 2GB DDR

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	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	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
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

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		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 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	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,8GB DDR

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	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 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.	Softwares: Linux Operating System Ubuntu
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

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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 distribution) and demonstrate the use of this embedded system call using C program in user space.	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,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

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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

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 IDE
4	Documentation	PC with MS Office

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5	Demonstration and Presentation	PC with MS Office

Sr. No.	Subject-2: Programming Skill Development Lab	Class:SEIT
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	Raspberry PI board,PC with NPLab software

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	board/Arduino for digital read/write using LED and switch Analog read/write using sensor and actuators.	

Subject-3: Internet and Web Programming Class:BEIT

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,	PC with Java IDE

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	Currentissue, reciveissue().Write a program to find how many copies of the given books are ordered and display total sale of publication	
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	PC with Java IDE

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	car type. Hatchback, Sedan, SUV could be the subclasses of Car class. Car class and its subclasses, CarFactory and TestFactoryPattern should be implemented	
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

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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
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-1 score	Python IDE Spyder IDE

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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)
1	Bridge the gap: Study of Open Source Databases: MySQL/mongodb/Hbase.	PC with C

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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
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

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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 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).	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,8GB DDR PC, Printer, UPS Software:

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	c. Create an Angular application which will do following actions: Register User, Login User, Show User Data on Profile Component	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 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

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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 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.	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 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	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,8GB DDR

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	c. Data transformation d. Error correcting e. Data model building	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

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

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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, microphone), and processing these samples with the help of machine learning. (Any Application: Healthcare, Smart City, Agriculture, etc).	Hardware: LENOVO Make Intel E7500 Core 2 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

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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

Sr. No.	Title of Assignment	Equipment required Hardware & Software)
	Bridge the gap: Study of Data structures and files, Discrete Structure, Software Engineering principles and practices.	PC with C
	Study of MySQL Open source software. Discuss the characteristics like efficiency, Scalability, performance and transactional properties	PC with Ubuntu OS and MySQL
	Install and configure client and server of MySQL.(Show all commands and necessary steps for installation and configuration)	PC with Ubuntu OS and MySQL
	Study of SQLite: What is SQLite? Uses of Sqlite. Building and installing SQLite.	PC with MS-Office
	Design any database with at least 3 entities and relationships between them. Draw suitable ER/EER diagram for the system.	PC with MS-Office
	Design and implement a database (for assignment no 5) using DDL statements and apply normalization on them	PC with Ubuntu OS and MySQL
	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

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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 lAB-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. 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	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,2GB DDR

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	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	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.	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-1 score	Python IDE Spyder IDE
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	Python IDE

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	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.	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 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.	Python IDE Spyder IDE

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	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

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

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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 & 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

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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
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 aft 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

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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 circuits.	Hydraulic trainer
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

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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
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

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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
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	Arduino Nano Kit

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	anticlockwise in arduino/ Rasberypi with embedded python	
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
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

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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
8	Case study on Tableau Dashboard.	Computer

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	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

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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 digital IIR filter using Chebyshev approximations for the given specifications of a low-pass filter.	PC, Matlab software
	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

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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
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	

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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
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

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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
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

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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 Notebook
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	
7	Optimal path for telephone lines using Prim's algorithm	
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

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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
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)	

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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.	
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. 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.	

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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	

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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	

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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.	centre lathe Machine

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	Understanding the concept of speed, feed and depth of cut.	
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		

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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
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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Computing Facilities

Internet Bandwidth	450 Mbps
Number and configuration of System	800
Total number of system connected by LAN	800
Total number of system connected by WAN	800

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. COMPUTER Intel(R)Core (TM) i3-2120 CPU @ 3.30GHz 4.00GB (3.33GB Usable) Lenovo Intel(R)Core(TM)2DUO CPU 2,00GB 32-bit Opertig System Lenovo Windows -8 Rating-5.8 Windows .Pro-Intel® Core™ i3-4130 CPU @ 3.40 GHz .RAM - 4.00GB System Type-64Bit. 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	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		Printer D. M. Printer Lx300+	17
5	Electronics & Tele Communications	125		HP Scanjet HP 2400 Laser.	3
6	Information Technology	132		HP Scanjet HP 5590 Laser.	2
7	Engineering Sciences	140		UPS Hp Laser Jet 1020 Printer Color Printer HP Scanner EPSON Scanner	13 12 10 02 01

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			to core i3 Processor, HDD: 1TB GB HDD, RAM: 4 GB RAM, Display: 18.5" LED Display Screen, 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:	800			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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Teaching Learning Process

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 FOR ACADEMIC YEAR 2023-2024 (SEM-I)

S.NO	Name of Faculty	Class	Subject	Load Hrs/ Week			Total	Grand Total
				L	T	P		
1.	Dr. S.N.Zaware	SE (A)	BCS LAB (0-4-0)	--	--	4	4	11
		TE	SEMINAR	--	--	2	2	

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			(0-0-4-0)					
		BE (A)	ML (3-0-0-0)	3	--	-	3	
		BE	PROJECT (0-0-2-0)	--	--	2	2	
2.	Dr.K.S.Wagh	SE (A)	OOP (3-0-6-0)	3	--	6	9	16
		BE (A)	ML ((3-0-0-0)	3	--	--	3	
		BE (A)	LP-III (0-0-4-0)	--	--	4	4	
3.	Mrs. M.P.Nerkar	SE (A)	FDS (3-0-12-0)	3	--	12	15	18
		BE (A)	EL-IV (3-0-0-0)	3	--		3	
4.	Mrs.M.A.Zope	BE (A,B)	EL-III (6-0-8-0)	6	--	8	14	17
		BE (B)	AC-7 (1-0-0-0)	1	--	--	1	
		BE	PROJECT (0-0-2-0)	--	--	2	2	
5.	Mrs. P.S.Gaikwad	TE (A,B)	TOC (6-0-0-0)	6	--	--	6	17
		TE (B)	CNL (0-0-6-0)	--	--	6	6	
		TE (B)	SEMINAR (0-0-1-0)	--	--	1	1	
		BE (A)	LP-IV (0-0-2-0)	--	--	2	2	
		BE	PROJECT (0-0-02-0)	--	--	2	2	
6.	Mrs. A.G.Said	SE (B)	OOP (3-0-6-0)	3	--	6	9	18
		SE (A,B)	BCS LAB (0-0-6-0)	--	--	6	6	
		BE (B)	BCT (3-0-0-0)	3	--	--	3	
7.	Mrs. N.S.Patil	SE (B)	FDS (3-0-12-0)	3	--	12	15	18
		BE (B)	EL-IV (3-0-0-0)	3	--	--	3	
8.	Mr. P.S.Sadaphule	TE (A)	SPOS (3-0-12-0)	3	--	12	15	19
		BE (A)	LP-IIII (0-0-4-0)	--	--	4	4	

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9.	Mr.G.J.Navale	BE (A, B)	DAA (6-0-12-0)	6	--	12	18	19
		TE	SEMINAR (0-0-1-0)	--	--	1	1	
10.	Mr. C.N.Aher	TE (A)	DBMS (3-0-12-0)	3	--	12	15	17
		TE (A, B)	AC5 (1-0-0-0)	2	--	--	2	
11.	Ms.A.S.Chavan	TE (B)	DBMS (3-0-12-0)	3	--	12	15	18
		BE (A)	AC 7 (1-0-0-0)	1	--	--	1	
		SE (A,B)	AC-3 (1-0-0-0)	2	--	--	2	
12.	Ms.A.S.Varal	SE (A)	CG (3-0-12-0)	3	--	12	15	17
		SE (A,B)	HSS (2-0-0-0)	2	--	--	2	
13.	Ms.P.D.Bormane	TE (B)	SPOS (3-0-12-0)	3	--	12	15	17
		BE (A)	LP-IV (0-0-2-0)	--	--	2	2	
14.	Ms. P.S.Jadhav	SE (A)	DM (6-0-0-0)	6	--	--	6	16
		SE (B)	BCS LAB (0-0-6-0)	--	--	6	6	
		FE	PPS-I (0-0-4-0)	--	--	4	4	
15.	Ms. S.B.Kanwade	TE (A)	CNS (3-0-6-0)	3	--	6	9	16
		BE (A)	BCT (3-0-3-0)	3	--	4	7	
16.	Mr. S.R.Pawar	SE (A)	DELD (6-0-12-0)	6	--	12	18	18
17.	Ms. A.R.Burujwale	TE (A)	EL-I (6-0-0-0)	6	--	--	6	16
		FE	PPS-I (0-0-10-0)	--	--	10	10	
18.	Ms. S. B. Toney	SE (B)	CG (3-0-0-0)	3	--	--	3	16
		TE (B)	CNS (3-0-0-0)	3	--	--	3	
		FE	PPS-I (0-0-10-0)	--	--	10	10	

Place: Pune
Date: 12 February 2024

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Dr Pradeep B Mane
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Pune-1

DEPARTMENT OF COMPUTER ENGINEERING
LOAD DISTRIBUTION FOR ACADEMIC YEAR 2023-2024 (SEM-II)

S.NO	Name of Faculty	Class	Subject	Theory	Practical/Tut	Total
19.	Dr. S.N.Zaware	SY A	SE	3		12
		BE A	LP-V		6	
		BE	PROJECT		2	
		TE	INTERNSHIP	1		
20.	Dr.K.S.Wagh BE PROJECT CO-ORDINATOR	SY A	DCN	3		14
		SY A	DCNL		6	
		SY A	PDL-II		2	
		TE	INTERNSHIP	1		
		BE	PROJECT		2	
21.	Dr. C. N. Aher	TE A	DSBDA	4		16
		TE B	DSBDA LAB		12	
22.	Dr. A. S. Chavan	TE B	AI	4		16
		TE B	LP-II		6	
		TE B	DSBDA LAB		4	
		BE	PROJECT		2	
23.	Dr.V.S.Bhende SY B GFM	SY B	SE	3		17
		SY A	ADSL		4	
		SY	MINOR COURSE (SE)	3		
		SY	MINOR COURSE (SE) LAB		4	
		SY B	AC-3	1		
		BE	PROJECT		2	
24.	Mrs. M. P. Nerkar TE A GFM	TE A	WT	4		16
		TE A	WTL		6	
		SY B	ADSL		4	
		BE	PROJECT		2	
25.	Mrs.M. A. Zope	TE B	DSBDA	4		16
		TE B	DSBDA LAB		8	
		TE B	INTERNSHIP	1		
		TE B	AC-6	1		
		BE	PROJECT		2	
26.	Mrs. P. S. Gaikwad TEA – INTERNSHIP COORDINATOR	TE A	EL-II	4		16
		TE A	LP-II		6	
		BE B	HPC	3		
		TE A	INTERNSHIP	1		
		BE	PROJECT		2	
27.	Mrs. A. G. Said BE B GFM	SY B	Programming in JAVA	1		16
		SY B	Programming in JAVA Lab		8	
		BE B	Deep Learning	3		
		SY B	PDL – II		2	

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		BE	PROJECT		2	
28.	Mrs. N. S. Patil BE A GFM	SY B	ADS	3		16
		SY B	ADSL		8	
		BE A	HPC	3		
		BE	PROJECT		2	
29.	Mr. P. S. Sadaphule	TE A	AI	4		16
		TE A	LP-II		6	
		BE A	EL-V	3		
		BE A,B	AC-8	2		
		TE A	INTERNSHIP	1		
30.	Ms. S. P. Pimpalkar SY A GFM	SY A	Programming in JAVA	1		16
		SY A	Programming in JAVA Lab		8	
		BE A	DL	3		
		SY A	AC-3	1		
		TE B	INTERNSHIP	1		
		BE	PROJECT		2	
31.	Mr. G. J. Navale TE B - GFM	TE B	WT	3		16
		TE B	WTL		6	
		BE B	LP-V		6	
		TE B	INTERNSHIP	1		
32.	Ms. A. S. Varal INTERNSHIP COORDINATOR TE B	SY A	ADS	3		17
		SY A	ADSL		8	
		SY A	PDL-II		2	
		TE A	AC-6	1		
		TE B	INTERNSHIP	1		
		BE	PROJECT		2	
33.	Ms. A.B.Burujwale	TE B	EL-II-1	4		17
		TE B	LP-II		6	
		BE B	EL-6	3		
		TE A	EL-II-2	4		
34.	Ms. P. S. Jadhav	SY B	DT	2		17
		SY B	JAVA Programming Lab		4	
		SY B	PDL-II		2	
		BE A	EL-V	3		
		BE A	LP-VI		6	
35.	Mr. S. R. Pawar	SY B	CN	3		16
		SY B	CNL		6	
		SY A,B	PDL-II		4	
		BE B	EL-VI	3		
36.	Ms. S. B. Toney	SY A	DT	2		16
		SY A	JAVA Programming Lab		4	
		TE B	EL-II-2	4		

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		BE A	LP-VI		6	
37.	Mr. N. A. Shaikh	SY A,B	Applied Mathematics and Computational Statistics	6		6

DEPARTMENT OF ELECTRICAL ENGINEERING
LOAD DISTRIBUTION FOR ACADEMIC YEAR 2023-2024 (SEM-I)

Sr. No	Name of Faculty	Class	Subject	Load Hrs/week				Total	Grant Total
				L	T	P	SEM/ PW/IN		
1	Mrs. A. D. Shiralkar	BE	EL-I (PLC &SCADA) (3-0-4-0)	3	-	4	-	7	12
		BE	Project Stage I (0-0-0-2)	-	-	-	2	2	
		TE	SEM (0-0-0-1)	-	-	-	1	1	
		S.Y.	ECA (2-0-0-0)	2	-	-	-	2	
2	Dr. S. M. Bakre	M.tech-I	AMPE (4-0-0-0)	4	-	-	-	4	13
		M.tech-I	EL-I IPR&Patent Law (3-0-0-0)	3	-	-	-	3	
		M.tech-I	PC (3-0-0-0)	3	-	-	-	3	
		M.tech-I	Lab Practice I (0-0-2-0)	-	-	2	-	2	
		M.tech-I	AC - I (IC) (1-0-0-0)	1	-	-	-	1	
3	Mr. S. V. Shelar	BE	EL-I (PQM) (3-0-2-0)	3	-	2	-	5	14
		BE	Project Stage I (0-0-0-2)	-	-	-	2	2	
		TE	SEM (0-0-0-1)	-	-	-	1	1	
		S.Y.	EM (0-0-4-0)	-	-	4	-	4	
		S.Y.	EM (Minor) (0-0-2-0)	-	-	2	-	2	
4	Mrs. K .S. Gadgil	S.Y.	ADC (3-0-6-0)	3	-	6	-	9	16

Place: Pune
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		S.Y.	SWES/ MOOCs (1-0-0-0)	1	-	-	-	1	
		BE	MOOCs (1-0-0-0)	1	-	-	-	1	
		BE	Project Stage I (0-0-0-2)		-	-	2	2	
		M.tech-I	RM (3-0-0-0)	3	-	-	-	3	
5	Mr. S. S. Shingare	TE	EM-II (3-0-6-0)	3	-	6	-	9	18
		BE	Project Stage I (0-0-0-2)	-	-	-	2	2	
		TE	SEM (0-0-0-1)	-	-	-	1	1	
		M.tech-I	MAEM (4-0-0-0)	4	-	-	-	4	
		M.tech-I	Lab Practice I (0-0-2-0)		-	2	-	2	
6	Mr. V. S. Kamble	S.Y.	PSE (3-0-0-0)	3	-	-	-	3	15
		S.Y.	AC 3 –VM (1-0-0-0)	1	-	-	-	1	
		BE	PSOC (3-0-6-0)	3	-	6	-	9	
		BE	Project Stage I (0-0-0-2)	-	-	-	2	2	
7	Mrs. S. S. Landge	TE	PE (3-0-6-0)	3	-	6	-	9	15
		BE	AC-VII (GL I) (1-0-0-0)	1	-	-	-	1	
		BE	EL-II EHV (3-0-0-0)	3	-	-	-	3	
		BE	Project Stage I (0-0-0-2)	-	-	-	2	2	
8	Mrs. S. M. Shaikh	F.Y.	BEE (6-0-10-0)	6	-	10	-	16	16
9	Mrs. V. P. Kuralkar	BE	ACS (3-0-6-0)	3	-	6	-	9	15
		TE	PE (0-0-6-0)	-	-	6	-	6	
10	Mr. P. P. Mahajan	F.Y.	BEE (6-0-10-0)	6	-	10	-	16	16
11	Mr. S.D. Raste	S.Y.	ECA (1-1-6-0)	1	1	6	-	8	16

Place: Pune
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		S.Y	DEM (1-0-0-0)	1	-	-	-	1	
		TE	EL -I (3-0-0-0)	3	-	-	-	3	
		TE	EIDCBM (0-0-4-0)	-	-	4	-	4	
12	Mr. Y. D. Rashinkar	TE	EIDCBM (3-0-8-0)	3	-	8	-	11	16
		TE	AC-IV (ESS) (2-0-0-0)	2	-	-	-	2	
		TE	SEM (0-0-0-1)	-	-	-	1	1	
		BE	EL-II (EHV) (0-2-0-0)	-	2	-	-	2	
12	Mrs. P. P. Mane	F.Y.	BEE (0-0-4-0)	-	-	4	-	4	16
		S.Y.	EM (3-0-2-0)	3	-	2	-	5	
		TE	ITM (3-0-0-0)	3	-	-	-	3	
		TE	SEM (0-0-0-1)	-	-	-	1	1	
		S.Y. .	EM (Minor) (3-0-0-0)	3	-	-	-	3	
			TOTAL LOAD	**82**	**3**	**96**	**17**	**198**	**198**

DEPARTMENT OF ELECTRICAL ENGINEERING
LOAD DISTRIBUTION FOR ACADEMIC YEAR 2023-2024 (SEM-II)

Sr. No	Name of Faculty	Class	Subject	Load Hrs/week				Total	Grant Total
				L	T	P	SEM/ PW/IN		
1	Mrs. A. D. Shiralkar	S.Y.	IM (1-1-0-0)	1	1	-	-	2	13
		TE	CSE (3-1-6-0)	3	1	6	-	9	
		BE	Project Stage II (0-0-0-2)	-	-	-	2	2	
2	Dr. S. M. Bakre	M.tech-I	ADI (3-0-0-0)	3	-	-	-	3	12
		M.tech-I	AC & DC Drives (3-0-0-0)	3	-	-	-	3	
		M.tech-I	AC – II (HVEE) (1-0-0-0)	1	-	-	-	1	

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		S.Y.	ES (1-0-4-0)	1	-	4	-	5	
3	Mr. S. V. Shelar	S.Y.	MICA (3-0-6-0)	3	-	6	-	9	12
		TE	IN (0-0-0-1)	-	-	-	1	1	
		BE	Project Stage II (0-0-0-2)	-	-	-	2	2	
4	Mrs. K. S. Gadgil	S.Y.	CT (3-0-6-0)	3	-	6	-	9	16
		TE	CADEM (0-0-4-0)	-	-	4	-	4	
		TE	IN (0-0-0-1)	-	-	-	1	1	
		BE	Project Stage II (0-0-0-2)	-	-	-	2	2	
5	Mr. S. S. Shingare	S.Y.	DC&IM (3-0-2-0)	3	-	2	-	5	16
		S.Y.	DC&IM (Minor) (3-0-2-0)	3	-	2	-	5	
		BE	Project Stage II (0-0-0-2)	-	-	-	2	2	
		M.tech-I	Lab Practice II (0-0-4-0)	-	-	4	-	4	
6	Mr. V. S. Kamble	TE	PS-II (3-1-6-0)	3	1	6	-	10	17
		TE	IN (0-0-0-1)	-	-	-	1	1	
		BE	Project Stage II (0-0-0-2)	-	-	-	2	2	
		M.tech-I	SAPE (4-0-0-0)	4	-	-	-	4	

DEPARTMENT OF INSTRUMENTATION ENGINEERING
LOAD DISTRIBUTION FOR ACADEMIC YEAR 2023-2024 (SEM-I)

Sr. No.	Name of Faculty	Subject	Class	Theory	Practical	Tutorial	Project(BE) + Seminar (TE)	Total
1	Dr.A.A.Shinde	Data Science	TE	03	04	--	02	11
		Data Structure	S.Y	--	02	--		

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2	Mr. H.P. Chaudhari	Electrical Measurement and Instrumentation	S.Y	03	06	--	02	16
		Automotive Instrumentation	BE	03	02	--		
3	NS1	Data Structure	S.Y	03	04	--	02	16
		Project Engg. & Management	BE	--	04	--		
		Control System	S.Y	01	--	--		
		Virtual Instrumentation Lab	BE	--	02	--		
4	Mrs. S.V. Kulkarni	Virtual Instrumentation Lab	BE	01	04	--	02	17
		Wireless sensor network	BE	03	02	--		
		Biomedical Instrumentation	TE	03	02			
5	Mr.S.S.Jagtap (TE GFM)	Embedded System	TE	03	06	--	02	18
		Data analytics	BE	03	04	--		
6	Dr.B.N.Mohapatra (SE GFM)	Sensors and Transducers	S.Y	03	06	--	02	18
		Modern Control Theory	TE	03	04	--		
7	Dr.V.V.Kale	Industrial Automation-I	TE	03	12	--	02	17
8	Ms.S.R.Garathe (BE GFM)	Process Control Techniques	BE	03	06	--	--	18
		Operating System	TE	03	--	--		
		Automotive Instrumentation	BE	--	04	--		
		Modern Control Theory	TE	--	02	--		
9	Mrs.C.D.Rananaware	Project Engg. & Management	BE	03	02	--	02	17
		Analog & Digital Technique	S.Y	03	06	--		
		Democracy Election & Governance	S.Y	01	--	--		
Total				49	88	--	16	152

Place: Pune
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DEPARTMENT OF INSTRUMENTATION ENGINEERING
LOAD DISTRIBUTION FOR ACADEMIC YEAR 2023-2024 (SEM-II)

Sr. No.	Name of Faculty	Subject	Class	Theory	Practical	Project BE	Total
1	Dr.A.A.Shinde	Machine Learning	TE	03	04	02	11
		Project Based Learning Lab	S.Y	--	02		
2	Mr. H.P. Chaudhari	Process Control Loop Component	S.Y	03	06	02	18
		Process Control Loop Component (Minor)	S.Y	03	04		
3	Dr.V.V.Kale	Industrial Automation-II	TE	03	06	02	19
		PLC & SCADA Programming Lab	S.Y	--	06		
		Process Control Loop Component (Minor)	S.Y	--	02		
4.	Mrs. S.V. Kulkarni	Internet of Things	TE	03	06	02	19
		Virtual Instrumentation Lab	S.Y	--	06		
		Industrial Organization and Management	S.Y	02	--		
5	Mr.S.S.Jagtap (TE GFM)	Digital Signal Processing	TE	03	02	02	17
		Advanced Embedded System	BE	03	06		
		Audit Course-VI	TE	01	--		
6	Dr.B.N.Mohapatra (SE GFM)	Signals and Systems	S.Y	03	--	02	19
		Building Automation	TE	03	02		
		Industrial Safety Engineering	S.Y	--	08		
		Audit Course-Sustainable Development Goals	S.Y	01	--		
7	Mr. P.U.Palkar	Industrial Safety Engineering	S.Y	01	04	02	18
		Process Instrumentation	BE	03	06		
		Process Control Loop Component (Minor)	S.Y	--	02		
8	Mrs.C.D.Rananaware	Control System Component	S.Y	03	--	02	18
		Renewable Energy Systems	BE	03	--		
		Internship	TE	--	06		
		Project Based Learning Lab	S.Y	--	04		
9	Ms.S.R.Garthe (BE GFM)	Operating System	S.Y	03	--	--	19
		Cyber Security	BE	03	--		
		Digital Signal Processing	TE	--	04		
		Process Control Loop Component (Minor)	S.Y	--	08		
		Audit Course	BE	01	--		
Total				48	94	16	158

Place: Pune
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DEPARTMENT OF INFORMATION TECHNOLOGY
LOAD DISTRIBUTION FOR ACADEMIC YEAR 2023-2024 (SEM-I)

S.NO	Name of Faculty	Class	Subject	Theory	Practical	Total
1.	Dr. Meenakshi A Thalor	SE	DM	3		11
		TE	Seminar		2	
		BE	ISR	3		
		BE	Audit course		1	
		BE	Project		2	
2.	Mr. Pritesh A Patil SE GFM	SE	DBMS	3		15
		SE	DBMSL		6	
		SE	Audit course		1	
		BE	EL-III	3		
		BE	Project		2	
3.	Mr. Riyaz. A. J	SE	DSA	3		17
		SE	DSAL		12	
		BE	Project	2		
4.	Mrs. P.P.Mahale	SE	HCI(MOOC)	1		17
		TE	HCI	3		
		TE	HCIL		6	
		TE	Seminar		2	
		BE	Elective-IV	3		
		BE	Project		2	
5.	Mrs. A. S. Phapale TE GFM	SE	DEG	1		15
		TE	Seminar		2	
		TE	ML	3		
		TE	LP-I		6	
		TE	Audit course		1	
		BE	Project		2	
6.	Ms. J.C Pasalkar	TE	EL-I	3		16
		TE	TOC	3		
		TE	OSL		2	
		BE	LP-III		6	
		BE	Project		2	
7.	Mrs. R. Y. Totare (Project Coordinator)	BE	SPM	3		17
		TE	OSL		6	
		BE	LP-III(ISR based)		6	
		BE	Project		2	
8.	Dr. M. K. Pathak BE GFM	TE	LP-I		6	17

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		BE	Deep Learning	3		
		BE	LP-IV (DL based)		6	
		BE	Project		2	
9.	Mr. V. J. Desai	TE	OS	3		16
		TE	OSL		4	
		SE	DELD	3		
		SE	DELDL		6	
					Total	141

DEPARTMENT OF INFORMATION TECHNOLOGY
LOAD DISTRIBUTION FOR ACADEMIC YEAR 2023-2024 (SEM-II)

S.NO	Name of Faculty	Class	Subject	Theory	Practical	Total
1	Dr. Meenakshi A Thalor	SY	OOP	3	6	11
		BE	Project		2	
2	Mr. Pritesh A Patil SE GFM	SY	Web Development (VSE)	1	12	16
		BE	Project		2	
		SY	Audit course	1		
3	Mr. R. A. Jamadar	TE	CNS	3	12	17
		BE	Project		2	
4	Mrs. P.P.Mahale	SY	OOPL		6	17
		TE	WAD	3		
		TE	LP-II	6		
		BE	Project		2	
5	Mrs. A. S. Phapale TE GFM	TE	DBDA	3	6	15
		TE	Audit course	1		
		BE	Elective-VI	3		
		BE	Project		2	
6	Ms. J.C Pasalkar	TE	Elective-II	3		15
		TE	LP-II	6		
		BE	LP-VI		6	
7	Dr. R. Y. Totare	SY	CG	3	6	15

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	(Project Coordinator)	SY	MIS	1		
		BE	Elective-V	3		
		BE	Project		2	
8	Dr. M. K. Pathak BE GFM	BE	DS	3	12	16
		BE	Audit course	1		
9	Mr. V. J. Desai	SY	PAI	3	6	18
		SY	MIS		3(tutorials)	
		BE	SAE		3(tutorials)	
		TE	Internship		3	
Total						140

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE
LOAD DISTRIBUTION FOR ACADEMIC YEAR 2023-2024 (SEM-I)

Sr. No.	Staff Name	Class	Subject	Load Hrs/Week			Total	Grand Total
				L	T	P		
1	Dr. S. V. Limkar	S.E. (A)	SE	3	--		3	11
		B.E. (B)	ML			6	6	
		B.E. (A)	Project	--	--	2	2	
2	Dr. R. B. Dhumale	T.E. (A)	PR	3	--	6	9	14
		S.E. (B)	DS	3	--	--	3	
		B.E. (A)	Project	--	--	2	2	
3	Mr. G. H. Wani	T.E. (B)	DBMS	3		6	9	16
		T.E. (B)	STC		3		3	
		T.E. (A)	Audit	1			1	
		T.E. (B)	Audit	1			1	
		B.E. (A)	Project			2	2	
4	Mrs. M. V. Shelke	T.E. (A)	CN	3		6	9	16
		S.E. (B)	OOP			4	4	
		B.E. (B)	MOOC		1		1	

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		B.E. (A)	Project			2	2	
5	Mrs. S. A. Belhe	T.E. (A)	DBMS	3		6	9	17
		T.E. (A)	ES		3		3	
		T.E. (B)	ES		3		3	
		B.E. (A)	Project			2	2	
6	Mrs. S.A.Durgule	S.E. (A)	DS	3		12	15	17
		B.E. (A)	Project			2	2	
7	Ms. S.D.Kadu	T.E. (A)	WT	3			3	17
		S.E. (B)	DS			12	12	
		B.E. (A)	Project			2	2	
8	Ms. B. D. Lambture	S.E. (A)	OOP	3		10	13	16
		T.E. (A)	AI			2	2	
		S.E. (A)	DEC	1			1	
9	Ms. R. R. Owhal	FE	PSP	3		14	17	17
10	Dr.S.A.Panwar	S.E. (B)	OOP	3		2	5	16
		T.E. (B)	PR	3		6	9	
		B.E. (A)	Project			2	2	
11	Mr S. D. Kale	B.E. (B)	BI	3		4	7	16
		B.E. (A)	BI	3		6	9	
12	Ms. Sonali Kanwade	S.E. (B)	SE	3			3	16
		B.E. (A)	ML			4	4	
		SY	Minor	3		6	9	
		S.E. (B)	DEC	1			1	
		B.E. (A)	Project			2	2	
13	Ms. P.P.Waghodekar	T.E. (B)	CN	3		6	9	17
		B.E. (A)	MOOC		1		1	
		B.E. (A)	IR			2	2	
		S.E. (A)	DF	1			1	
		S.E. (B)	DF	1			1	
		B.E. (A)	BI			2	2	
		S.E. (B)	Audit	1			1	

Place: Pune
Date: 12 February 2024

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

14	Ms. P.D. Bormane	T.E. (B)	AI	3		6	9	17
		T.E. (A)	AI	3		4	7	
		S.E. (A)	Audit	1			1	
15	Ms. R.N.Malage	B.E. (B)	IR	3		6	9	16
		B.E. (A)	IR	3		4	7	
16	Mrs. T.V.Jadhav	B.E. (A)	DMV	3		6	9	16
		B.E. (B)	DMV	3		4	7	
17	Ms. R.H.Malshikare	T.E. (B)	WT	3			3	16
		B.E. (B)	DMV			2	2	
		SY	Minor			6	6	
		T.E. (A)	STC		3		3	
		B.E. (A)	Audit	1			1	
		B.E. (B)	Audit	1			1	
18	Ms. B.P.Bendale	B.E. (A)	ML	3		2	5	16
		B.E. (B)	ML	3			3	
		S.E. (A)	OOP			2	2	
		S.E. (B)	OOP			6	6	

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE
LOAD DISTRIBUTION FOR ACADEMIC YEAR 2023-2024 (SEM-II)

Sr. No.	Staff Name	Class	Subject	Load Hrs/Week			Total	Grand Total
				L	T	P		
1	Dr. S. V. Limkar	S.Y. (A)	OS	3	..	..	3	11
		T.E. (A)	MPS	..	..	6	6	
		B.E.	Project	..	..	2	2	
2	Dr. R. B. Dhumale	S.Y. (B)	AI	3	..	..	3	13
		T.E. (B)	ANN	4	..	4	8	
		B.E.	Project	..	..	2	2	
3	Mr. G. H. Wani	B.E. (A)	CL-IV	..	..	6	6	18
		B.E. (B)	BI	3	..		3	
		B.E. (B)	CL-IV	..	..	6	6	
		B.E. (B)	Audit	1	..	..	1	
		B.E.	Project	..	..	2	2	
4	Dr. M. V. Shelke	S.Y. (B)	EDA	3	..	..	3	18
		S.Y. (B)	DAP	..	..	12	12	
		S.Y. (B)	Audit	1	..	..	1	

Place: Pune
Date: 12 February 2024

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

		B.E.	Project	..	..	2	2	
5	Mrs. S. A. Belhe	S.Y. (B)	DBMS	3	..	12	15	18
		B.E. (A)	Audit	1	..	..	1	
		B.E.	Project	..	..	2	2	
6	Mrs. S.A.Durgule	S.Y. (A)	EDA	3	..	6	9	18
		S.Y. (B)	EDA		..	6	6	
		S.Y.	Minor	3	..	..	3	
7	Ms. S.D.Kadu	S.Y. (A)	PM	2	..	..	2	18
		S.Y. (A)	DAP	1	..	12	13	
		S.Y. (B)	DAP	1			1	
		B.E.	Project	..	..	2	2	
8	Ms. B. D. Lambture	T.E. (B)	DS	..	..	4	4	18
		B.E. (A)	CI	3	..	..	3	
		B.E. (B)	CI	3	..	..	3	
		B.E. (B)	CL-III	..	..	6	6	
		T.E. (B)	Internship	..	2	0	2	
9	Dr.S.A.Panwar	S.Y. (A)	AI	3	..	6	9	17
		S.Y. (B)	AI	..	.	6	6	
		B.E.	Project	..	..	2	2	
10	Mr S. D. Kale	T.E. (A)	CC	4	..	..	4	17
		T.E. (B)	CC	4	..	..	4	
		T.E. (B)	MPS	..	..	6	6	
		T.E. (B)	Internship		1		1	
		B.E.	Project	..	..	2	2	
11	Ms. Sonali Kanwade	S.Y. (B)	OS	3	..	..	3	17
		S.Y.	Minor	3		10	13	
		T.E. (A)	Internship		1		1	
12	Dr.Shagupta Shaikh	S.Y. (B)	PM	2	..	..	2	18
		S.Y. (A)	DBMS	3	..	12	15	
		S.Y. (A)	Audit	1	..	..	1	
13	Ms. P.D. Bormane	T.E. (A)	DS	..	..	4	4	18
		B.E. (A)	DC	3	..	..	3	
		B.E. (B)	DC	3	..	..	3	
		B.E. (A)	CL-III	..	..	6	6	
		B.E.	Project	..	..	2	2	
14	Ms. R.N.Malage	T.E. (B)	DS	4	..	8	12	18
		T.E. (A)	CS	4	..	..	4	
		T.E. (A)	Internship		1		1	
		T.E. (B)	Audit	1	..	..	1	
15	Mrs. T.V.Jadhav	T.E. (A)	DS	4	..	8	12	17
		T.E. (B)	CS	4	..	..	4	
		T.E. (A)	Audit	1	..	..	1	
16	Ms. R.H.Malshikare	T.E. (A)	ANN	4	..	8	12	18
		B.E. (A)	BI	3	..	..	3	

Place: Pune
Date: 12 February 2024

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Dr Pradeep B Mane
Principal, AISSMSIOIT,
Pune-1

		S.Y.	Minor	..	..	2	2	
		T.E. (A)	Internship		1		1	
17	Ms.Sneha Bagal	T.E. (A)	ANN	..	..	4	4	18
		T.E. (B)	ANN	..	..	8	8	
		B.E. (A)	BDA	3	..	..	3	
		B.E. (B)	BDA	3	..	..	3	
				98	**6**	**186**	**290**	**290**

DEPARTMENT OF ELECTRONICS & TELE-COMMUNICATION
LOAD DISTRIBUTION FOR ACADEMIC YEAR 2022-2023 (SEM-I)

Sr. No.	Staff Name	Class	Subject	Load Hrs/Week			Total	Grand Total
				L	T	P		
1.	Dr. P. B. Mane	M.E	PROJECT (0-2-0)	--	--	2	2	4
		BE	PROJECT (0-0-0)	--	--	2	2	
2.	Dr. D. K. Shedge	SY B	EIMS (3-0-2)	3	--	6	9	11
		BE	PROJECT (0-0-2)	--	--	2	2	
3.	Dr. M. P. Sardey	SY A	DS (3-0-2)	4	--	4	8	10
		BE	PROJECT (0-2-0)	--	--	2	2	
4.	Prof. P. A. Patil	FE	BEE (3-0-2)	3	--	6	9	18
		FE	BEE (3-0-2)	3	--	6	9	
5.	Dr. V. K. Bairagi	SY A	EIMS (3-0-2)	3	--	2	5	12
		PhD	RM (3-0-0)	3	--	--	3	
		BE	PROJECT	--	--	2	2	

Place: Pune
Date: 12 February 2024

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

			(0-2-0)					
		PhD	Seminar	--	--	2	2	
			(0-0-2)					
6.	Dr. M. S. Vanjale	TE B	DCOM	3	--	6	9	11
			(3-0-2)					
		B.E.	PROJECT	--	--	2	2	
			(0-0-2)					
7.	Prof. H. D. Shinde	TE A	EFT	3	3	--	6	16
			(3-0-2)					
		TE B	EFT	3	3	--	6	
			(0-0-2)					
		SD B	SD	--	--	4	4	
			(0-0-2)					
8.	Prof. V. K. Patil	BE A,B	MIOT	3	--	6	9	16
			(3-0-2)					
		BE A,B	DL	3	--	-	3	
			(3-0-2)					
		TE A	CN	--	--	2	2	
			(3-0-2)					
		TE B	DBM	--	--	2	2	
			(3-0-2)					
9.	Prof. M. P. Gajare	SY B	AE	4	--	6	10	17
			(3-0-2)					
		TE A	SD	--	--	6	6	
			(0-0-2)					
		SY B	DE&G	1	-	-	1	
			(2-0-0)					
10.	Prof. M. S. Koban	TE A	MCA	3	--	6	9	16
			(3-0-2)					
		TE B	MCA	3	--	4	7	
			(3-0-2)					
11.	Prof. D. A. Itole	SY (A,B)	Moocs Esim	2	--	--	2	15
			(3-0-0)					
		SY A	EIMS	-	--	4	4	
			(0-0-2)					
		SY (A,B)	Audit Course	2	--	--	2	
			(1-0-0)					
		SY A	DE&G	1	--	--	1	
			(2-0-0)					
		TE B	CC	--	--	2	2	

Place: Pune
Date: 12 February 2024

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

			(3-0-2)					
		TE A	DCOM	--	--	4	4	
			(3-0-2)					
12.	Prof. S. R. Kokane	TE A	CN	3	--	6	9	16
			(3-0-2)					
		TE B	CN	3		4	7	
			(3-0-2)					
13.	Prof. D. M. Yewale	BE A	CC	3	--	6	9	16
			(3-0-2)					
		BE B	CC	3		4	7	
			(3-0-2)					
14.	Prof. S. S. Nikam	BE A	VLSI Design	3	--	6	9	16
			(3-0-2)					
		BE B	VLSI Design	3	--	4	7	
			(3-0-2)					
15.	Prof. V. N. Ghodake	BE A	RMT	3	--	6	9	16
			(3-0-2)					
		BE B	RMT	--	--	4	4	
			(3-0-2)					
		TE A	DCOM	3	--	--	3	
			(3-1-0)					
16.	Prof. C. K. Bhange	FE	BEE	3	--	6	9	16
			(3-0-3)					
		FE.	BEE	3	--	4	7	
			(3-0-2)					
17.	Prof. S. V. Lohar	FE	BEE	3	--	8	11	16
			(3-0-2)					
		FE	RMT	3	--	2	5	
			(3-0-2)					
18.	Prof. S. B. Pokharkar	SY B	DS	4	--	8	12	16
			(3-0-2)					
		BE B	VLSI	--	--	2	2	
			(3-0-2)					
		TE A,B	Audit Course	2	--	--	2	
			(1-0-0)					
19.	Prof. A. A. Randive	SY A	AE	4	--	6	10	17
			(3-0-0)					
		BE A,B	DM	3	--	--	3	
			(3-0-2)					

Place: Pune
Date: 12 February 2024

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Dr Pradeep B Mane
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Pune-1

		BE A,B	Audit Course (1-0-0)	2	--	--	2	
		TE A	DCOM (3-0-2)	-	-	2	2	
20.	Prof. Vineeta Philip	TE A	DBM (3-0-2)	3	--	6	9	16
		TE B	DBM (3-0-2)	3	--	4	7	
21.	Prof. R. N. Jadhav	BE A,B	Java Script (EL-I) (3-0-2)	3	--	6	9	16
		BE A,B	EPD (3-0-2)	3	--	-	3	
		TE B	SD (0-0-2)	--	--	2	2	
		TE B	MCA (3-0-2)	--	--	2	2	

DEPARTMENT OF ELECTRONICS & TELE-COMMUNICATION
LOAD DISTRIBUTION FOR ACADEMIC YEAR 2023-2024 (SEM-II)

Sr. No.	Staff Name	Class	Subject	Load Hrs/Week			Total	Grand Total
				L	T	P		
1.	Dr. P. B. Mane	M.E	PROJECT (0-2-0)	--	--	2	2	4
		BE	PROJECT (0-0-0)	--	--	2	2	
2.	Dr. D. K. Shedge	SY	SS (3-3-0)	3	3	--	6	12
		BE	PROJECT (0-0-2)	--	--	2	2	
		SY	Open Source (1-0-4)	--	--	4	4	
3.	Dr. M. P. Sardey	SY	IC (3-0-2)	3	--	4	7	11
		BE	PROJECT (0-2-0)	--	--	2	2	
		SY	BAE (2-0-0)	2	--	--	2	
4.	Prof. P. A. Patil	FE	BEE (3-0-2)	3	--	6	9	18

Place: Pune
Date: 12 February 2024

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

		FE	BEE (3-0-2)	3	--	6	9	
5.	Dr. V. K. Bairagi	SY	AC (3-0-2)	3	--	2	5	11
		BE	I&E (0-2-0)	--	4	--	4	
		BE	PROJECT (0-2-0)	--	--	2	2	
6.	Dr. M. S. Vanjale	SY	AC (3-0-2)	3	--	6	9	11
		B.E.	PROJECT (0-0-2)	--	--	2	2	
7.	Prof. H. D. Shinde	SY	SS (3-0-2)	3	3	--	6	18
		SY	Open Source (0-0-2)	--	--	10	10	
		BE	PROJECT (0-0-2)	--	--	2	2	
8.	Prof. V. K. Patil	BE	MC (3-0-2)	3	--	6	9	18
		TE	CN (3-0-2)	3	--	-	3	
		TE	Mini Project (3-0-2)	--	--	4	4	
		BE	Project (0-0-2)	--	--	2	2	
9.	Prof. M. P. Gajare	SY	IC (3-0-2)	3	--	8	11	17
		SY	Open source (0-0-2)	--	--	4	4	
		BE	PROJECT (0-0-2)	--	--	--	2	
10.	Prof. M. S. Koban	BE	MC (3-0-2)	3	--	6	9	17
		BE	PROJECT (0-0-2)	--	--	--	2	
		TE	CN (0-0-2)	--	--	6	6	
11.	Prof. D. A. Itole	SY	BAE (2-0-0)	2	--	--	2	14
		SY	Open source (1-0-4)	1	--	6	7	

Place: Pune
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		SY	Open source (1-0-4)	1	--	--	1	
		BE	PROJECT (0-0-2)	--	--	2	2	
		TE	Mini Project (0-2-0)	--	--	2	2	
12.	Prof. S. R. Kokane	S Y	DS (3-0-2)	3	--	6	9	15
		TE	Mini project (0-0-2)	--	--	4	4	
		SY	Audit Course (1-0-0)	2	-	-	2	
13.	Prof. D. M. Yewale	BE	FOC (3-0-2)	3	--	6	9	17
		BE	PROJECT (0-0-2)	--	--	--	2	
		TE	Mini Project (0-0-2)	--	--		6	
14.	Dr. S. S. Nikam	BE	FOC (3-0-2)	3	--	6	9	17
		BE	PROJECT (0-0-2)	--	--	--	2	
		TE	Mini Project (0-0-2)	--	--	6	6	
15.	Prof. V. N. Ghodke	TE	CN (3-0-2)	3	--	6	9	17
		BE	I&E (0-2-0)	--	--	6	6	
		TE	Internship (0-0-2)	--	--	2	2	
16.	Prof. C. K. Bhange	TE	SIA (3-0-3)	3	--	4	7	16
		BE	DM (3-0-0)	3	--	--	3	
		SY	AC (0-0-2)	--	--	4	4	
		BE	I&E (0-2-0)	--	--	2	2	
17.	Prof. S. V. Lohar	FE	BEE (3-0-2)	3	--	6	9	18
		FE	BEE	3	--	3	9	

Place: Pune
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Pune-1

			(3-0-2)					
18.	Prof. S. B. Pokharkar	TE	PDC (3-0-2)	3	--	6	9	18
		TE	PDC (3-0-2)	3	--	2	5	
		TE	Audit Course (1-0-0)	2	--	--	2	
		TE	Internship (0-0-2)	--	--	2	2	
19.	Prof. A. A. Randive	TE	NS (3-0-0)	3	--	8	11	17
		TE	PDC (3-0-2)	--	--	4	4	
		BE	Project (0-0-2)	--	--	2	2	
20.	Dr. Vineeta Philip	TE	PM (3-0-2)	3	--	--	3	18
		TE	PM (3-0-2)	3	--	--	3	
		BE	Project (0-0-2)	--	--	2	2	
		BE	DBM (0-2-2)	--	10	-	10	
21.	Prof. R. N. Jadhav	S Y	DS (3-0-2)	3	--	6	9	18
		BE	DM (3-0-2)	3	--	--	3	
		BE	Project (0-0-2)	--	--	2	2	
		TE	DBM (3-0-2)	--	--	2	2	
		TE	Mini Project	--	--	2	2	
22.	Prof. H. S. Magar	SY Btech	Minor Course	3	--	14	17	17 .

DEPARTMENT OF ENGINEERING SCIENCE
LOAD DISTRIBUTION FOR ACADEMIC YEAR 2023-2024 (SEM-I)

Sr.No	Name of Staff	Subject	Class	Theory	Pr	Total
1	Dr. P.G. Musrif	Engineering Physics	F.Y.B.Tech	3	8	12
		Universal Human Values-I		1	0	

Place: Pune
Date: 12 February 2024

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Pune-1

2	Mr. S.V. Arlikar	Engineering Physics	F.Y.B.Tech	3	10	15
		Universal Human Values-I		2	0	
3	Dr. Manisha Raghuvanshi	Engineering Physics	F.Y.B.Tech	6	6	15
		Universal Human Values-I		3	0	
4	Dr. Y.P.Patil	Industrial Chemistry	F.Y.B.Tech	6	8	14
5	Dr. Nidhi Sharma	Industrial Chemistry	F.Y.B.Tech	3	12	15
6	Mr. P.G.Mahajan	Industrial Chemistry	F.Y.B.Tech	6	10	16
7	Mrs. G.N.Mawale	Engineering Mechanics	F.Y.B.Tech	4	14	18
8	Mrs. A.A. Athawale	Engineering Mechanics	F.Y.B.Tech	6	12	18
9	Mr. A.H.Raheja	Engineering Mechanics	F.Y.B.Tech	4	14	18
10	Mr. V. D. Deshmukh	Engineering Mechanics	F.Y.B.Tech	4	14	18
11	Mr. R. B. Tope	Engineering Mathematics I	F.Y.B.Tech		10	16
		Applied Mathematics (ENTC)	S.Y.B.Tech	6		
12	Mr. N. A. Shaikh	Engineering Mathematics I	F.Y.B.Tech		10	16
		Discrete Mathematics and Statistics (AIDS)	S.Y.B.Tech	6		
13	Mr. P.S. Gaur	Engineering Mathematics I	F.Y.B.Tech	6	10	16
14	Mr. P. B. Shinde	Engineering Mathematics I	F.Y.B.Tech	6	10	16
15	Mr. D.S.Shelar	Engineering Mathematics I	F.Y.B.Tech	6	8	14
16	Ms. S. S. Raskar	Engineering Mathematics I	F.Y.B.Tech	9	6	15
17	Mr. M.B.Nigade	Engineering Graphics and introduction to CAD	F.Y.B.Tech	1	6	16
		Project Based Learning Management I			8	
		EG- Activity		1		
18	Mr. A. J. More	Engineering Graphics and introduction to CAD	F.Y.B.Tech	1	8	16
		Project Based Learning Management I			6	
		EG- Activity		1		
19	Mr. S.S. Gadadhe	Engineering Graphics and introduction to CAD	F.Y.B.Tech	1	6	16
		Project Based Learning Management I			6	
		EG- Activity		1		
		Universal Human Values-I		2		
20	Mr. N.P.Bhone	Engineering Graphics and introduction to CAD	F.Y.B.Tech	1	8	16
		Project Based Learning Management I			6	
		EG- Activity		1		
21	Dr.Naseem Khayyum	Engineering Graphics and introduction to CAD	F.Y.B.Tech	2	6	16
		Project Based Learning Management I			6	
		EG- Activity		2		

Place: Pune
Date: 12 February 2024

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Dr Pradeep B Mane
Principal, AISSMSIOIT,
Pune-1

22	Mr. A.S. Apate	Engineering Graphics and introduction to CAD	F.Y.B.Tech	1	8	17
		Project Based Learning Management I			6	
		EG- Activity		1		
		Universal Human Values-I		1		
23	Mr. N.D.Gaikwad	Engineering Graphics and introduction to CAD	F.Y.B.Tech	1	6	16
		Project Based Learning Management I			8	
		EG- Activity		1		
24	Dr. Pritam Saha	Engineering Graphics and introduction to CAD	F.Y.B.Tech	1	6	16
		Project Based Learning Management I			8	
		EG- Activity		1		
25	Mr. P.A. Patil	Basic Electronics Engineering	F.Y.B.Tech	6	12	18
26	Mr. C. K,Bhange	Basic Electronics Engineering	F.Y.B.Tech	6	10	16
27	Mrs. Supriya Lohar	Basic Electronics Engineering	F.Y.B.Tech	3	8	11
28	Mr. P.P.Mahajan	Basic Electrical Engineering	F.Y.B.Tech	6	10	16
29	Mrs.S.M.Shaikh	Basic Electrical Engineering	F.Y.B.Tech	6	10	16
30	Mrs.P.P.Mane	Basic Electrical Engineering	F.Y.B.Tech		4	4
31	Mr. P.B.Wakhare	Problem Solving and Programming-I	F.Y.B.Tech	4	14	18
32	Mrs. P.M. Patil	Problem Solving and Programming-I	F.Y.B.Tech	6	12	18
33	Ms. S. K. More	Problem Solving and Programming-I	F.Y.B.Tech	4	14	18
34	Ms. R. R. Owhal	Problem Solving and Programming-I	F.Y.B.Tech	4	14	18
35	Mrs. D. S. Moarey	Sports 1	F.Y.B.Tech	9	0	9

DEPARTMENT OF ENGINEERING SCIENCE
LOAD DISTRIBUTION FOR ACADEMIC YEAR 2023-2024 (SEM-II)

Sr.No	Name of Staff	Subject	Class	Theory	Pr	Total
1	Dr. P.G. Musrif	Engineering Physics	F.Y.B.Tech	6	6	12
2	Mr. S.V. Arlikar	Engineering Physics	F.Y.B.Tech	3	14	17
3	Dr. Manisha Raghuvanshi	Engineering Physics	F.Y.B.Tech	6	10	16
4	Dr. Y.P.Patil	Industrial Chemistry	F.Y.B.Tech	6	4	12
		Project Based Learning Management II	F.Y.B.Tech		2	
5	Dr. Nidhi Sharma	Industrial Chemistry	F.Y.B.Tech	3	10	14
		Universal Human Values-II	F.Y.B.Tech	1		
6	Dr.V.S.Patil	Industrial Chemistry	F.Y.B.Tech	3	10	14
		Universal Human Values-II	F.Y.B.Tech	1		

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7	Mrs. G.N.Mawale	Enviromental Informatics	F.Y.B.Tech		14	17
		Project Based Learning Management II	F.Y.B.Tech		2	
		Universal Human Values-II	F.Y.B.Tech	1		
8	Mrs. A.A. Athawale	Enviromental Informatics	F.Y.B.Tech		14	17
		Project Based Learning Management II	F.Y.B.Tech		2	
		Universal Human Values-II	F.Y.B.Tech	1		
9	Mr. A.H.Raheja	Enviromental Informatics	F.Y.B.Tech		12	16
		Project Based Learning Management II	F.Y.B.Tech		4	
10	Mr. V. D. Deshmukh	Enviromental Informatics	F.Y.B.Tech		14	17
		Project Based Learning Management II	F.Y.B.Tech		2	
		Universal Human Values-II	F.Y.B.Tech	1		
11	Mr. R. B. Tope	Engineering Mathematics II	F.Y.B.Tech	3	8	14
		Probability and Statistics	S.Y.B.Tech	3		
12	Mr. N. A. Shaikh	Engineering Mathematics II	F.Y.B.Tech		10	16
		Applied Mathematics and computational statistics	S.Y.B.Tech	6		
13	Mr. P.S. Gaur	Engineering Mathematics II	F.Y.B.Tech	6	10	16
14	Mr. D.S.Shelar	Engineering Mathematics II	F.Y.B.Tech	6	8	18
		Project Based Learning Management II			2	
		Ph.D (Mathematics)	Ph.D	2		
15	Mr. P. B. Shinde	Engineering Mathematics II	F.Y.B.Tech	6	8	14
16	Ms. S. S. Raskar	Engineering Mathematics II	F.Y.B.Tech	6	10	16
17	Mr. M.B.Nigade	Basics in Mechanical Enigineering	F.Y.B.Tech	2	6	16
		Project Based Learning Management II			6	
		BME- Activity		2		
18	Mr. A. J. More	Basics in Mechanical Enigineering	F.Y.B.Tech	1	8	16
		Project Based Learning Management II			6	
		BME- Activity		1		
19	Mr. S.S. Gadadhe	Basics in Mechanical Enigineering	F.Y.B.Tech	2	12	16
		BME- Activity		2		
20	Mr. N.P.Bhone	Basics in Mechanical Enigineering	F.Y.B.Tech	1	10	17
		Project Based Learning Management II			4	
		BME- Activity		1		
		Universal Human Values-II		1		
21	Mr. A.S. Apate	Basics in Mechanical Enigineering	F.Y.B.Tech	2	8	16

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		Project Based Learning Management II			4	
		BME- Activity		2		
22	Mr. N.D.Gaikwad	Project Based Learning Management II	F.Y.B.Tech		14	17
		Universal Human Values-II		3		
23	Dr. Pritam Saha	Basics in Mechanical Enigineering	F.Y.B.Tech	1	10	18
		Project Based Learning Management II			6	
		BME- Activity		1		
24	Mr. P.A. Patil	Basic Electronics Engineering	F.Y.B.Tech	6	12	18
25	Mrs.S.V.Lohar	Basic Electronics Engineering	F.Y.B.Tech	6	12	18
26	Mrs. P.P.Mane	Basic Electrical Engineering	F.Y.B.Tech	3	6	9
27	Mr. P.P.Mahajan	Basic Electrical Engineering	F.Y.B.Tech	6	12	18
28	Mrs.S.M.Shaikh	Basic Electrical Engineering	F.Y.B.Tech	6	12	18
29	Mr. P.B.Wakhare	Problem Solving and Programming-II	F.Y.B.Tech	4	14	18
30	Mrs. P.M. Patil	Problem Solving and Programming-II	F.Y.B.Tech	6	12	18
31	Ms. S. K. More	Problem Solving and Programming-II	F.Y.B.Tech	4	14	18
32	Ms. R. R. Owhal	Problem Solving and Programming-II	F.Y.B.Tech	4	14	18
33	Mrs. D. S. Moarey	Sports 1	F.Y.B.Tech	9	0	9

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.

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- 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.

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

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		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 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

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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.Tech. ELECTRICAL (Power Electronics and Drives)
ACEDEMIC CALENDER 2023-24 SEM-I

Sr. No.	Details of Activity	Date
1	Commencement of Teaching	07/08/23
2	Conclusion of Teaching	15/12/23
3	Induction Program	07/08/23 to 25/08/23
4	First In-Semester Evaluation	03/10/23 to 07/10/23
5	Second In-Semester Evaluation	30/10/23 to 04/11/23
6	Mid Semester Submission	21/10/23
7	End Semester Submission	15/12/23
8	Practical/Oral Examination	18/12/23 to 23/12/23
9	End Semester Examination	26/12/23 to 06/01/24
10	Declaration of Result for Semester I	20/01/24

ACEDEMIC CALENDER 2023-24 SEM-II

Sr. No.	Details of Activity	Date
1	Commencement of Teaching	22/01/24
2	Conclusion of Teaching	18/05/24
3	First In-Semester Evaluation	12/02/24 to 17/02/24
4	Second In-Semester Evaluation	18/03/24 to 23/03/24
5	Mid Semester Submission	29/03/24
6	End Semester Submission	18/05/24
7	Practical/Oral Examination	20/05/24 to 25/05/24
8	End Semester Examination	27/05/24 to 08/06/24
9	Declaration of Result for Semester II	22/06/24
10	Re-examination for Semester I and Semester II	01/07/24 to 13/07/24

M. Tech. E&TC (VLSI and Embedded Systems)
ACEDEMIC CALENDER 2023-24 SEM-I

Sr. No.	Details of Activity	Date
1	Commencement of Teaching	07/08/23

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2	Conclusion of Teaching	15/12/23
3	Induction Program	07/08/23 to 25/08/23
4	First In-Semester Evaluation	03/10/23 to 07/10/23
5	Second In-Semester Evaluation	30/10/23 to 04/11/23
6	Mid Semester Submission	21/10/23
7	End Semester Submission	15/12/23
8	Practical/Oral Examination	18/12/23 to 23/12/23
9	End Semester Examination	26/12/23 to 06/01/24
10	Declaration of Result for Semester I	20/01/24

ACEDEMIC CALENDER 2023-24 SEM-II

Sr. No.	Details of Activity	Date
1	Commencement of Teaching	22/01/24
2	Conclusion of Teaching	18/05/24
3	First In-Semester Evaluation	12/02/24 to 17/02/24
4	Second In-Semester Evaluation	18/03/24 to 23/03/24
5	Mid Semester Submission	29/03/24
6	End Semester Submission	18/05/24
7	Practical/Oral Examination	20/05/24 to 25/05/24
8	End Semester Examination	27/05/24 to 08/06/24
9	Declaration of Result for Semester II	22/06/24
10	Re-examination for Semester I and Semester II	01/07/24 to 13/07/24

(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 59 researchers doing their PhD research work. The institute is having 36 faculties with doctoral degree, and 49 faculties are pursuing their PhDs in various research areas. The institute is having 19 funded research projects with total research grant amount of Rs 39,62,900.00. The institute has power quality cell, through which consultancy work is undertaken by the faculties. The institute has received around Rs 34,00,000.00 in the form of consultancy fees.

- Number of Projects carried out, funding agency, Grant received

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	12,00,000	Major	23-01-2020
2	Electrical	Sachin Shelar	Development of PQ Experience Center	Smt. Mira Tagare	2 Years	25,00,000	Major	12-10-2020

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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 8,46,411	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 1,00,000	MINOR	09-04-2021
6	ALL	Dr. S. A. Panwar,Dr. R. B. Dhumale,Dr P B Mane	IEEE HAC – SIGHT HAM Radio Set Up for Flood Prone Area	IEEE	06 months	$5000	Mini	04-03-2023

- Number of Consultancy Works

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	29-06-2020	12-09-2020	Messung Systems	Messung Systems	Prof S.V.Shelar

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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	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 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 (PQ Measurement and analysis	-	Mr. S. V. Shelar Dr. S. M. Bakre
20	05-12-2020	05-12-2020	132KVMarkalSuubstation	--	Mr. S. V. Shelar Dr. S. M. Bakre
21	15/02/2023	30/06/2023	XY Plotter Cartesian Plotter	SVR Infotech, Pune	Mr. S. R. Kale
22	01-06-2022	01-12-2022	Social media publicity	Wani Institute	Mr. G. J. Navale
23	01-06-2022	01-12-2022	Social media publicity, Casnet	Wani Institute	Dr. Chetan Aher
24	31-01-2022	31-03-2022	Condition base Maintenance of Street Light	Fevino Industries, Pune	Dr. R. B. Dhumale
25	07-07-2021	31-12-2021	Condition base Maintenance of Street Light	Fevino Industries, Pune	Dr. R. B. Dhumale
26	01-01-2021	01-03-2021	Web site development and AI-ML.	ASSIMILATE Technology Pvt. Ltd.	Dr. S. N. Zaware
27	01-01-2021	01-03-2021	To Provide course training material.	upGrad Education Pvt. Ltd.	Mrs. Shilpa Pimpalkar
28	08-17-2022	24-Aug-22	Power Quality Audit – measurements and analysis at solar plant using class A power quality analyser – Fluke 435 II.	Brawn Energy	Mr. Sachin Shelar
29	12-05-2022	12-07-2022	Power Quality Audit - 24 hours Reactive Power Audit	Sharda Industries	Mr. Sachin Shelar
30	12-08-2022	12-09-2022	Power Quality Audit - 24 hours Reactive Power Audit	VIIT	Mr. Sachin Shelar

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			and IEEE 519-2014 Compliance		
31	02-18-2023	02-19-2023	Power Quality Audit - 24 hours Reactive Power Audit	Sharda Industries	Mr. Sachin Shelar
32	03-16-2023	03-17-2023	Power Quality Audit - 24 hours Reactive Power Audit	Hypress Rubber	Mr. Sachin Shelar
33	04-11-2023	04-12-2023	Power Quality Audit - 24 hours Reactive Power Audit	SEF Industries	Mr. Sachin Shelar
34	09-12-2023	09-13-2023	Power Quality Audit (Harmonic Compliance as per IEEE 519-2014)	Western Metal Industries Private Limited,	Mr. Sachin Shelar
35	09-25-2023	09-27-2023	Basic Power Quality Audit (Profiling of Harmonics)	AVM ENGINEERING	Mr. Sachin Shelar
36	10-01-2023	10-03-2023	Power Quality Audit (Basic Profiling of PQ Parameters)	AJAY SALES	Mr. Sachin Shelar
37	10-31-2023	11-06-2023	Power Quality Audit (Transient Measurement and Analysis)	AJAY SALES	Mr. Sachin Shelar
38	11-21-2023	11-22-2023	Power Quality Audit (24 Hour Reactive Power Study)	KSOLARE ENERGY PRIVATE LIMITED	Mr. Sachin Shelar
39	02-12-2024	02-13-2024	Power Quality Audit (24 Hour Power Quality Profile at Main incomer & 08 Hour Power Quality Profile at UPS Output)	Rao Nursing Home	Mr. Sachin Shelar
40	11-29-2023	02-10-2024	Power Quality Audit Phase 2 (Transient Measurement and Analysis)	AJAY SALES	Mr. Sachin Shelar
41	03-14-2024	03-15-2024	POWER QUALITY AUDIT (REACTIVE POWER)	AJAY SALES	Mr. Sachin Shelar
42	02-26-2024	03-13-2024	Power Quality Audits	Conductor Core Technoligies India Pvt. Ltd.	Mr. Sachin Shelar

MoUs with Industries

Organization with which MoU is signed	**Year of signing MoU (Date)**	**Duration**	**List the actual activities under each MoU year wise**	**Number of students/teachers participated under MoUs**
Sgurr Energy India Pvt. Ltd	21-07-2022	Life time	Guest lecture	540 FE
Asuyog Electrical & Electronics Ltd	02-08-2022	Life time	MoU	4 FE
Digital Parv	27-6-2022	Life time	Guest lecture	540 FE
Microtech Engineering	29-06-2022	Life time	MoU	4 FE

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Teff plast India Pvt. Ltd	25-04-2022	Life time	MoU	3 FE
Jinku Radiator Mfg. Company	01-06-2022	Life time	MoU	4 FE
Perfect Robotics	20-06-2022	Life time	MoU	4 FE
Rajvimal Engineering works, Pune	22-07-2022	Life time	MoU	4 FE
Red Enviro Consultancy and Engineering services pvt Ltd	01-08-2022	Life time	MoU	3 FE
Om Translation	18-05-2022	Life time	MoU	4 FE
LBPCIII, Pune	31-08-2022	Life time	MoU	3 FE
Megha Embedded	18-05-2022	Life time	MoU	4 FE
S. G. Kulkarni	01-08-2022	Life time	MoU	4 FE
Praddnya Sikachi Associates	10-08-2022	Life time	MoU	4 FE
Sleepsure Comfort Products Pvt Ltd	01-08-2022	Life time	Guest lecture	540 FE
Excursia Education, Pune	31-08-2022	Life time	MoU	4 FE
Key Technologies,Pune	24-09-2022	Life time	Guest lecture	540 FE
Creative Automation, Chinchwad, Pune	20-08-2022	Life time	MoU	4 FE
Codeclause Pvt. Ltd.	6-3-2023	Lifelong	Students Internship Training	3 IT
Nexus Infosec L. L. C.	31/1/2023	5 years	Seminar on Importance of Offensive Security in the World	81 IT
Rubiscape	06-09-2022	3 years (6/09/2022 to 6/09/2025)	One Day FDP on Data Visualization, 7/10/2022	17 IT
Genjee Technologies Pvt. Ltd.	18/08/2022	1 year (18/08/2022 to 17/08/2023)	Event: Hipi Stunner and execute a Talent Hunt	90 IT
Noveracian Global Pvt. Ltd.	11-08-2022	Lifelong	Event:Pitcher Ally on 13/10/2022	102 IT
We Shine	2021	Lifelong	Exam Software Purchase	540 IT

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WebHub Technology	14/06/2021	Lifelong	Faculty Industrial Training	1 IT
Theta Measurment and Control Solution Pvt. Ltd.	6-10-2022	Lifelong	Application domain of LabVIEW	5 Instrumentation
B&R industrial automation Pvt. Ltd. Pune	27/9/2022	Lifelong	1.Service solution and product range by company 2.Industrial communication protocol. 3.Interaction with HR and understood the interview selection process by company 4.Study of twin and map tecnology.	11 Instrumentation
Celestial institute of technology	24/12/2022	Lifelong	1.Placement opportuniies 2.Interenship and sponsred projects 3.Discussion on aptitude and interview process	6 Instrumentation
AUTOINTELL services	14/10/2022	Lifelong	1. Find the Low cost solution to Industrial Automation. 2. Build the select the various components for project and Project Engineering Management. 3.How to utilize the budget	45 Instrumentation
Connecting Dreams Foundation	2023	2 Years	FDP and Students workshop	120/16 Computer
Codekul Private Limited	2022	1 Years	Internship and Training on Cyber security.	45 Computer

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Prygma Information systems LLP	2023	1 Years	Workshops and Expert Lecture	120 Computer
Kasnet Technologies Pvt.Ltd.	2022	2 Years	Internship on AWS completed	10 Computer
Wolfeart Holdings Pvt.Ltd.	2022	1 Year	Internship completed successfully	2 Computer
Vishwaguru Infotech Pvt.Ltd.	2022	1 Year	i-connect activity and internship to students	11 students completed internship successfully Computer
Auto Cluster Dvelopment and Research Institute Chinchwad	2023	1 Year	Expert series and industrial visit	120 Computer
Geeta P Sethi	2022	1 Year	Expert series and industrial visit	55 Computer
Ensure System Techno Solutions LLP	2022	1 Year	Internship completed successfully	2 Computer
RB Tech Services	2022	1 Year	Internship completed successfully	2 Computer
Oytie Pvt.ltd.	2022	1 Year	Internship Completed	6 Computer
Aspiring Minds	22-24 march 2022	Lifetime	Session on Orientation of National Employability Assessment test AMCAT test conducted by Mr Ankur Srivastava Aspiring Minds on 22-24 march 2022	252
Sactech Automation India Pvt Ltd Industrial Estate Hadapsar Pune	7th October 2022	Two Years	Field Visit	3 E&TC
ICFAI Business School Pune	7th September 2022	Two Years	On the occasion of Teachers Day Celebration Best Message contest	37 E&TC
MCCIA	26.11.2022	Membership	Workshop on Resume Building and Visited Exhibition at	67 E&TC

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			MCCIA Edu Fest 2022 Industry Academia Meet. on 26.11.2022	
SI UK	07.01.2023	Two Years	Education Fair	17 E&TC
Syslab Automation Pvt Ltd Industrial Estate area Hadapsar Pune	12.04.2023	--------	Field Visit	02 E&TC
Rubicon skills development Pvt Ltd Pune	2-4 May 2023	----------	Barclays Life Skills Training program in association with Rubicon skills development Pvt Ltd Pune for Third students of all branches on 2nd May to 4th May 2023.	232 All Branches
PMA Pune Management Association	2-4 May 2023	Two Years	FDP on Emerging trends in 5 G Technology –Enabled Education	34 E&TC
Rudronics Technologies LLP Pune	06.04.2023	Two Years	Field visit	02 E&TC

(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

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14	2008-2009	Ref. No. CA/347 dated 21-01-2010	
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	
49	2022-23	Ref.No. CA1473 Dated 29-08-2022	
50	2023.24	Ref.No. CA1650 Dated 12-07-2023	

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	

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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	
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	
28	2022-2023	F.No.Western/1-10974212312/2022/EOA dated 03.07.2022	
29	2022-2023	F.No. Western/1-10974212312/2022/EOA dated 03.07.2022	Extended Extension of Approval for three years
30	2023-2024	F.No.Western/1-36515506441/2023/EOA dated 10.06.2023	

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(19) Accounted audited statement for the last three years (2020-2021, 2021-2022 & 2022-2023)

Income and expenditure:

Sr No	Income	2020-2021	2021-2022	2022-2023
1	Income From Central Govt	---	---	---
2	Income From UGC	---	---	---
3	Income From State Govt	---	---	---
4	Income From Other Bodies	---	---	---
5	Income From Student Fees	251582741.00	264415026.00	282291784.00
6	Income From Other/ Internal Revenue	960325.00	792533.00	1722956.60
7	Income From Donations	---	---	---
Total Income		**252543066.00**	**265207559.50**	**284014740.60**

Sr No	Expenditure	2020-2021	2021-2022	2022-2023
1	Salary Teaching Staff	102214498.00	119366576.00	149569012.00
2	Equipment	3315108.00	8060346.00	3969446.00
3	Rmuneration to Visiting/Guest	1181436.00	202249.00	312806.00
4	Building Maintenance	4518478.00	4944191.00	5018677.00
5	Salary Non-teaching Staff	25392122.00	28148996.00	36838815.00
6	Other Expenditure	53393757.00	52558519.00	51630261.77
7	Library	2008509.25	1401031.00	1773447.00
Total Expenditure		**245417665.00**	**214681908.00**	**300742726.54**

(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.

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- **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.

(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

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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 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:172800/-Rupees Received on 2023-2024

1) Payment of September 2023:Rupees 56070/- Hours:1246, (41 Students)
2) Payment of October 2023 :Rupees 80190/- hours:1782, (37 Students)
3) Payment of Novemer 2023:Rupees 29790/- hours:662, (24 Students)
4) Payment of December 2023:Rupees 6750/- hours:150, (05 Students)
   Total Hours =3840, Total Payment 1,72,800/-

Media Coverage

Department of Electronics and Telecommunication Engineering of AISSMS Institute of Information Technology Pune visited ICFAI IBS business school Hadapsar Pune on 10 February 2023 for discussion their certifications, Career dilemmas, expand their horizons and help students to explore options after graduation. This education tour organised by Prof Venkat Ghodke and Prof Deepali Yewale.

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Natarajan Education Society acknowledges and appreciates All India Shri Shivaji Memorial Society's Institute of Information Technology Pune for Maximum entries of Participation in NES Innovation Award 2023. Received Certificate of Appreciation on the auspicious hands of Padma Vibhushan Dr Raghunath Mashelkar Sir on the occasion of Innovation Awards 2023 organised by GTT Foundation.

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AISSMS Institute of Information Technology Pune organised Barclays Life Skills Training program in association with Rubicon skills development Pvt Ltd Pune for Third students of all branches on 2nd May to 4th May 2023.

रौप्य महोत्सवानिमित्त 'लिगसी रन पुणे' मॅरेथॉन स्पर्धेचे आयोजन

■ पुणे : प्रतिनिधी

इन्स्टिट्यूट ऑफ इन्फॉर्मेशन टेक्नोलॉजीच्या रौप्य महोत्सवानिमित्त ऑल इंडिया श्री शिवाजी मेमोरियल सोसायटी पुणे व डेक्कन स्पोर्ट्स क्लब कोल्हापूर यांच्या वतीने 'लिगसी रन पुणे' या मॅरेथॉन स्पर्धेचे आयोजन १४ जानेवारी रोजी केले आहे. शिवाजीनगर, पुणे येथील एआयएसएसएमएस कॉलेज परिसरापासून या मॅरेथॉनची सुरुवात होईल. ५ किमी व १० किमी अशा दोन प्रकारांत विभागल्या गेलेल्या या मॅरेथॉन स्पर्धेत ५ किमीसाठी एआयएसएसएमएस कॉलेज ते बंडगार्डन तर, १० किमीसाठी एआयएसएसएमएस कॉलेज ते बंडगार्डन पूल, तसेच पुढे संगमवाडी रोड व परत बंडगार्डन पूल ते एआयएसएसएमएस कॉलेज असा मार्ग सुनिश्चित करण्यात आला आहे.

एकूणच स्पर्धात्मक वातावरण निर्माण करण्याच्या, तसेच नागरिकांमध्ये सुदृढ आरोग्याच्या दृष्टीने जनजागृती करण्याच्या मुख्य उद्देश या मॅरेथॉनमागे असून, या स्पर्धेत महाराष्ट्रातील ५००० हून अधिक धावपटू सहभागी होतील, असा विश्वास आहे. मॅरेथॉन स्पर्धा यशस्वीपणे पार पाडण्यासाठी डेक्कन स्पोर्ट्स क्लब व ऑल इंडिया श्री शिवाजी मेमोरियल सोसायटी पुणे या दोन्ही आयोजक संस्था उत्तम नियोजन करताना दिसत आहेत.

लिगसी रन पुणे मॅरेथॉन स्पर्धा १४ ते ३० वय वर्ष, ३१ ते ४० वय वर्ष तसेच ४१ ते ५० वय वर्ष व ५१ वर्षांपुढील या चार वयोगटात विभागण्यात आली आहे. मॅरेथॉनमध्ये सहभागी धावपटू स्पर्धकांना गुडी बॅग, टी. शर्ट, फिनिशर मेडल, टाइम चिप, ई-सर्टिफिकेट, नाश्ता, मेडिकल, तसेच फिजिओ सपोर्ट दिला जाणार असून, एकूण १५० स्वयंसेवक मार्गावर कार्यरत असणार आहेत.

ऑल इंडिया श्री शिवाजी मेमोरियल सोसायटी पुणेचे सचिव श्रीमंत छत्रपती मालोजीराजे यांचे मोलाचे मार्गदर्शन या मॅरेथॉन स्पर्धेसाठी लाभणार असून, संयोजनासाठी डेक्कन स्पोर्ट्स क्लबचे उदय पाटील, वैभव बेळगावकर, समीर चौगुले, मनीष सूर्यवंशी आदी पदाधिकारी, तसेच प्राचार्य पी. बी. माने यांचे सहकार्य लाभेल.

commissioned by January 1 next year.

CITY DIGEST

Legacy Run Pune marathon in Jan

The All India Shri Shivaji Memorial Society with the Deccan Sports Club will organise Legacy Run Pune marathon on January 14, in commemoration of the silver jubilee of the Institute of Information Technology. The marathon will feature a 5km run and a 10km run.

GIPE VC Ranade opens conference for CAs

लोकमत

स्मार्ट कम्प्युटिंग, इन्फॉर्मेटिक्स विषयावर आंतरराष्ट्रीय परिषद

लोकमत न्यूज नेटवर्क

पुणे : ऑल इंडिया श्री शिवाजी मेमोरियल सोसायटीच्या आयओआयटी महाविद्यालयात "६व्या आयईईई आंतराष्ट्रीय परिषद-इमर्जिंग स्मार्ट कॉप्युटिंग ॲन्ड इन्फॉरमेटिक्स-ईएससीआय-२०२४ या विषयावरील ६ वी आंतरराष्ट्रीय परिषद नुकतीच पार पडली.

पद्मभूषण डॉ. दीपक धर यांच्या हस्ते उद्घाटन झालेल्या या परिषदेत त्यांनी 'संख्याशास्त्राचा वापर आणि गैरवापर' या विषयावर उपस्थितांना मार्गदर्शन केले. याप्रसंगी सोसायटीचे मानद सहसचिव सुरेश शिंदे, अजय पाटील, अभिजीत खुर्पे, प्राचार्य डॉ. पी.बी. माने, आयईईईचे डॉ. अमर बुचडे, डॉ. विवेक देशपांडे, जगदीश चौधरी डॉ. एम. ए. थलोर आदी उपस्थित होते. सोसायटीचे मानद सचिव मालोजीराजे छत्रपती, इस्रोच्या स्पेस ॲप्लिकेशन सेंटरचे संचालक नीलेश देसाई यांनी परिषदेला आपला संदेश पाठविला. या परिषदेमध्ये स्मार्ट कॉम्प्युटिंग, इंटरनेट ऑफ थिंग्ज आणि इमेज आणि सिग्नल प्रोसेसिंग या तीन ट्रॅकसह ६ प्री-कॉन्फरन्स ट्युटोरियल्स आणि १४ विशेष सत्रे होती.

या परिषदेसाठी जगभरातून जसे की चीन, इराक, यूएसए, तुर्की, श्रीलंका आदी देशांद्वारे एकूण १४५७ शोधनिबंध प्राप्त झाले होते. त्यापैकी निवडक १९३ शोधनिबंध सहभागींनी सादर केले. कार्यक्रमाचे सूत्रसंचालन डॉ. सुरेश लिमकर यांनी केले तर आभार सबा शेख यांनी मानले.

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QUICK NEWS

नवाचार को बढ़ाने सत्र आयोजन

पुणे. नवाचार और तकनीकी ज्ञान को बढ़ाने के उद्देश्य से सेंटर फॉर डेवलपमेंट ऑफ एडवांस्ड कंप्यूटिंग (सीडीएसी), पुणे मैनेजमेंट एसोसिएशन (पीएमए) ने हाल ही में एक व्यापक बौद्धिक संपदा अधिकार (आईपीआर) सत्र का आयोजन किया था. इस सत्र में मुख्य अतिथि के रूप में डॉ. अनिर्बान सरकार उपस्थित थे. इसके साथ ही इस मौके पर प्रकल्प प्रबंधक के परिमल खाडे, सीडीएसी पुणे के प्रदीप तुपे, पीएमए के उपाध्यक्ष सुरेश शिंदे, एआईएसएसएम सोसायटी के मानद सह सचिव अजय पाटिल आदि उपस्थित थे. इस मौके पर तेजी से विकसित हो रहे तकनीकी क्षेत्र में बौद्धिक संपदा की रक्षा के महत्व पर प्रकाश डाला. इस मौके पर परवीज कुद्रोली, प्रिंसिपल एसोसिएट, खुराना एंड खुराना और आईआईपीआरडी,

Place: Pune
Date: 12 February 2024

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प्रभात

'एआयएसएसएमएस'तर्फे १४ जानेवारीला लीगसी रन पुणे मॅरेथॉन स्पर्धा

प्रभात वृत्तसेवा

पुणे,दि. १६ - ऑल इंडिया श्री शिवाजी मेमोरियल सोसायटी (एआयएसएसएमएस) सोसायटीच्या इन्स्टिट्यूट ऑफ इन्फॉर्मेशन टेक्नॉलॉजी या महाविद्यालयाच्या रौप्य महोत्सवानिमित्त ऑल इंडिया श्री शिवाजी मेमोरियल सोसायटी पुणे व डेक्कन स्पोर्ट्स क्लब कोल्हापूर यांच्या वतीने लिगसी रन पुणे या मॅरेथॉन स्पर्धा येत्या १४ जानेवारीला घेण्यात येणार आहे.

महाविद्यालयाच्या परिसरापासून या मॅरेथॉनची सुरुवात होईल. ५ कि. मी. व १० कि.मी. अशा दोन प्रकारांत विभागल्या गेलेल्या या मॅरेथॉन स्पर्धेत ५ कि.मी.साठी एआयएसएसएमएस सोसायटीच्या इन्स्टिट्यूट ऑफ इन्फॉर्मेशन टेक्नॉलॉजी महाविद्यालय ते बंडगार्डन तर १० कि.मी.साठी एआयएसएसएमएस सोसायटीच्या इन्स्टिट्यूट ऑफ इन्फॉर्मेशन टेक्नॉलॉजी महाविद्यालय ते बंडगार्डन पूल तसेच पुढे संगमवाडी रोड व परत बंडगार्डन पूल ते एआयएसएसएमएस सोसायटीच्या इन्स्टिट्यूट ऑफ इन्फॉर्मेशन टेक्नॉलॉजी महाविद्यालय, असा मार्ग निश्चित करण्यात आला आहे. या स्पर्धेत महाराष्ट्रातील ५ हजारहून अधिक धावपटू सहभागी होतील.

स्पर्धा १४ ते ३० वय वर्ष, ३१ ते ४० वय वर्ष, ४१ ते ५० वय वर्ष व ५१ वर्षापुढील या चार वयोगटात विभागण्यात आली आहे. ऑल इंडिया श्री शिवाजी मेमोरियल सोसायटी सचिव छत्रपती मालोजीराजे यांचे मोलाचे मार्गदर्शन या मॅरेथॉन स्पर्धे साठी लाभणार असून संयोजनासाठी डेक्कन स्पोर्ट्स क्लबचे उदय पाटील, वैभव बेळगावकर, समीर चौगुले, मनीष सूर्यवंशी आदी पदाधिकारी तसेच इन्स्टिट्यूट ऑफ इन्फॉर्मेशन टेक्नॉलॉजी महाविद्यालयाचे प्राचार्य डॉ. पी. बी. माने व फिजिकल डायरेक्टर डॉ. दिपाली मोरे यांचे सहकार्य लाभणार आहे.

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https://epaper.dainikprabhat.com

पेटंटवरील कार्यशाळेला प्रतिसाद

पुणे : नवोन्मेष आणि ज्ञानाची देवाणघेवाण वाढविण्याच्या उद्देशाने सेंटर फॉर डेव्हलपमेंट ऑफ ॲडव्हान्स्ड कॉम्प्युटिंग अर्थात सीडॅक आणि पुणे मॅनेजमेंट असोसिएशनने नुकतेच एआयएसएसएमएस आयओआयटीमध्ये सर्वसमावेशक बौद्धिक संपदा हक्क सत्र पार पडले. या कार्यक्रमास प्रमुख पाहुणे म्हणून डॉ. अनिर्बान सरकार यांच्यासह सीडॅकचे प्रकल्प व्यवस्थापक परिमल खाडे, एआयएसएसएमएसचे मानद सहसचिव सुरेश शिंदे, खजिनदार अजय पाटील आदी उपस्थित होते. बौद्धिक संपदा अधिकारांच्या विविध पैलूंमध्ये तज्ज्ञ असलेल्या वक्त्यांनी उपस्थितांना मार्गदर्शन केले. एआयएसएसएमएस आयओआयटी महाविद्यालयाचे प्राचार्य डॉ. पी. बी. माने यांचे मार्गदर्शन लाभले.

एआयएसएसएमएस आयओआयटीत परिषद उत्साहात

पुणे : एआयएसएसएमएस आयओआयटी महाविद्यालयात आयईईई-इमर्जिंग स्मार्ट कंप्युटिंग अँड इन्फॉरमेटिक्स-ईएससीआय-२०२४ विषयावर सहावी आंतरराष्ट्रीय परिषद आयोजित करण्यात आली होती. एआयएसएसएम सोसायटीचे खजिनदार अजय पाटील, आयईईई पुणे विभाग उपाध्यक्ष डॉ. अमर बुचडे, परिषद अध्यक्ष डॉ. विवेक देशपांडे, एसआयजी (परवडणारी शेती) आयईईई पुणे विभाग अध्यक्ष जगदीश चौधरी यांच्या हस्ते उद्घाटन पार पडले.

या परिषदेच्या उद्घाटनासाठी पद्मभूषण डॉ. दीपक धर उपस्थित होते. त्यांनी 'संख्याशास्त्राचा वापर आणि गैरवापर' या विषयावर आपले विचार मांडले. सहसचिव सुरेश रिटे यांनी उदयोन्मुख स्मार्ट संगणन आपल्या समाजासाठी कसे उपयुक्त आहे आणि संशोधकांना या क्षेत्रात काम करण्यास प्रोत्साहित केले.

प्राचार्य डॉ. पी. बी. माने म्हणाले, नवीन संशोधकांना त्यांच्या नावीन्यपूर्ण कल्पना आणि ज्ञान शेअर करण्यासाठी व्यासपीठ उपलब्ध करून देण्यासाठी या परिषदेचे आयोजन करण्यात आले आहे.

आयईईईच्या पुणे विभागाचे मानद सचिव अभिजित खुर्पे यांनी आयईईई पुणे विभागाच्या उपक्रमांवर प्रकाश टाकला. स्पेस ॲप्लिकेशन सेंटर- इस्रो, अहमदाबादचे संचालक नीलेश देसाई यांनीही आपला संदेश पाठवला. ते म्हणाले की, ही परिषद निश्चितपणे अंतिम वापरकर्ता अनुप्रयोग दृष्टीकोनांसह तंत्रज्ञानाच्या सीमांवरील परस्परसंवाद, ज्ञानाची देवाणघेवाण आणि संशोधन चर्चा करण्यासाठी आवश्यक व्यासपीठ प्रदान करेल.

तांत्रिक अध्यक्ष डॉ. एम. ए. थलोर यांनी पेपरसंची माहिती दिली. परिषदेमध्ये स्मार्ट कॉम्प्युटिंग, इंटरनेट ऑफ थिंग्ज आणि इमेज आणि सिग्नल प्रोसेसिंग या तीन ट्रॅकसह ६ प्री-कॉन्फरन्स ट्युटोरियल्स आणि १४ विशेष सत्रे होती. परिषदेसाठी च इराक, यूएसए, तुर्की, श्रीलंक देशांद्वारे एकूण १४५७ शोधनि प्राप्त झाले होते, त्यापैकी निव १९३ शोधनिबंध सहभाग सादर केले.

या सोसायटीचे मानद स मालोजीराजे छत्रपती या एआयएसएसएम सोसायटी वतीने पाहुणे आणि सहभाग आपला शुभेच्छा संदेश पाठव

कार्यक्रमाचे सूत्रसंचालन सुरेश लिमकर यांनी केले. आभार सभा शेख यांनी मानले.

एआयएसएसएमएस महाविद्यालयात परिषद

पुणे : एआयएसएसएमएस आयओआयटी महाविद्यालयात 'आयईईई- इमर्जिंग स्मार्ट कॉम्प्युटिंग अँड इन्फॉर्मेटिक्स ईएससीआय' विषयावर आंतरराष्ट्रीय परिषद झाली. परिषदेच्या उद्घाटनासाठी डॉ. दीपक धर उपस्थित होते. त्यांनी 'संख्याशास्त्राचा वापर आणि गैरवापर' विषयावर मार्गदर्शन केले. चीन, इराक, अमेरिका, तुर्की, श्रीलंका या देशांमधून आलेल्या १,४५७ शोधनिबंधांपैकी निवडक १९३ शोधनिबंध सादर केले.

Place: Pune
Date: 12 February 2024

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'एआयएसएसएमएस'तर्फे मॅरेथॉन

पुणे : ऑल इंडिया श्री शिवाजी मेमोरिअल सोसायटीच्या (एआयएसएसएमएस) इन्स्टिट्यूट ऑफ इन्फॉर्मेशन टेक्नॉलॉजी या महाविद्यालयाच्या रौप्यमहोत्सवानिमित्त 'लीगसी रन' या मॅरेथॉनचे आयोजन करण्यात आले आहे. 'एआयएसएसएमएस' आणि डेक्कन स्पोर्ट्स क्लब कोल्हापूर यांच्या वतीने १४ जानेवारी २०२४ रोजी मॅरेथॉन होईल. महाविद्यालयाच्या परिसरापासून सुरू होणारी मॅरेथॉन ५ आणि १० किलोमीटर अशा दोन प्रकारांत पार पडेल. स्पर्धात्मक वातावरण निर्माण करणे, तसेच नागरिकांच्या सुदृढ आरोग्याची जनजागृती हा आयोजनामागचा हेतू आहे. राज्यातून पाच हजारांहून अधिक धावपटू सहभागी होतील, अशी अपेक्षा असून, मॅरेथॉन चार वयोगटांत विभागण्यात आली आहे. सहभागी धावपटूंना गुडी बॅग, टी शर्ट, फिनिशर मेडल, ई-सर्टिफिकेट, नाश्ता, मेडिकल तसेच फिजिओ सपोर्ट दिला जाणार असल्याचे संयोजकांतर्फे कळविण्यात आले आहे.

पुणे : 'सर्वसमावेशक बौद्धिक संपदा' विषयक सत्रात मान्यवरांचा सत्कार करण्यात आला.

'सी-डॅक' बौद्धिक संपदा हक्क सत्राला उत्स्फूर्त प्रतिसाद

पुणे, ता. २३ : बौद्धिक संपदा कायद्यातील बारकावे, तंत्रज्ञान क्षेत्रात बौद्धिक संपत्तीचे संरक्षण कसे करावे, यासह बौद्धिक संपदा अधिकारातील विविध पैलू 'सर्वसमावेशक बौद्धिक संपदा हक्क' या सत्रात उलगडले गेले.

नवोन्मेष आणि ज्ञानाची देवाणघेवाण वाढवण्याच्या उद्देशाने सेंटर फॉर डेव्हलपमेंट ऑफ ॲडव्हान्स्ड कॉम्प्युटिंग (सी-डॅक) पुणे मॅनेजमेंट असोसिएशन यांच्यावतीने या सत्राचे आयोजन करण्यात आले. डॉ. अनिर्बान सरकार प्रमुख पाहुणे म्हणून उपस्थित होते. यावेळी 'सी-डॅक'चे प्रकल्प व्यवस्थापक परिमल खाडे, असोसिएशनचे उपाध्यक्ष प्रदीप तुपे, 'एआयएसएसएम'चे मानद सहसचिव सुरेश शिंदे, खजिनदार अजय पाटील आदी उपस्थित होते. हा कार्यक्रम एआयएसएसएमएस आयओआयटी महाविद्यालयात आयोजित केला होता. या कार्यक्रमात परवीज कुद्रोली, धीरज चौरासिया आदी मान्यवरांनी तांत्रिक क्षेत्रात बौद्धिक संपत्तीचे संरक्षण करण्याबाबत मार्गदर्शन केले. तर बौद्धिक संपदा अधिकारांच्या विविध पैलूंमध्ये तज्ज्ञ असलेल्या मान्यवरांनी माहिती दिली. पेटंट कायदा, कॉपीराइट, ट्रेडमार्क यासंदर्भातील माहिती देखील उपस्थितांना देण्यात आली.

प्राचार्य डॉ. पी. बी. माने यांनी मार्गदर्शन केले. तर कार्यक्रमाचे समन्वय प्रा. देवेंद्र इटोळे, डॉ. मृणाल पाठक, प्रा. शीतल कुलकर्णी, प्रा. प्रज्वल गायकवाड, डॉ. मयुरा शेळके यांनी केले.

CITY DIGEST

Successful IPR session held

The Centre for Development of Advanced Computing, AISSMS Institute of information technology and Pune Management Association recently organised a Intellectual Property Rights session.

पुण्यातील अभियंत्यांनी केला विकसित

आपत्ती काळात उपयोगी पडणारा हॅम रेडिओ

लोकमत न्यूज नेटवर्क

पुणे : श्री शिवाजी प्रिपरेटरी मिलिटरी संस्थेच्या (एसएसपीएम) अभियांत्रिकी महाविद्यालयाने कोल्हापुरात आपत्ती काळात उपयोगी पडणारा हॅम रेडिओ विकसित करून दिला. त्यांना आयइइइ एचएसी साईट ग्रुप तसेच रेडियो ॲमॅच्युअर क्लब ऑफ कोल्हापूर यांनी त्यांना सहकार्य केले.

कोल्हापुरात पालकमंत्री दीपक केसरकर व एसएसपीएमचे सचिव छत्रपती मालोजीराजे यांच्या हस्ते या रेडिओंचे लोकार्पण झाले. जिल्हा नियंत्रण कक्षात झालेल्या या कार्यक्रमाला जिल्हाधिकारी राहुल रेखावार, एसएसपीएमचे प्राचार्य डॉ. पी. बी. माने उपस्थित होते. सन २०२०-२१ मध्ये कोल्हापूर व सांगली जिल्ह्यात पूरस्थिती निर्माण झाली. प्रशासनाबरोबर आपत्तीग्रस्तांना संपर्क साधता आला नाही. त्यावेळी बचावकार्याचे काम करणाऱ्या अधिकाऱ्यांनी संपर्क यंत्रणेच्या अभावाचा उल्लेख केला. त्यानंतर बिनतारी संदेश यंत्रणेचा हॅम रेडिओ नियंत्रण कक्षात बसवण्याचा निर्णय झाला, अशी माहिती छत्रपती मालोजीराजे यांनी दिली.

एसएसपीएमचे प्राचार्य डॉ. माने यांच्या मार्गदर्शनात पुण्यात ही यंत्रणा तयार करण्यात आली. प्रकल्पाचे प्रमुख अन्वेषक डॉ. सारिका पनवर, यांनी त्यावर काम केले. रेडिओ ॲमॅच्युअर क्लब ऑफ कोल्हापूरचे नितीन ऐनापुरे आणि जिल्हा आपत्ती व्यवस्थापन, कोल्हापूरचे अधिकारी डॉ. प्रसाद संकपाळ यांनी सहकार्य केले. चिखली आणि आंबेवाडी या भागांमध्ये प्रकल्पाचे उद्घाटन झाले

कोल्हापूरकर साधू शकतील जगाशी संपर्क

श्री शिवाजी प्रिपरेटरी मिलिटरी संस्थेच्या (एसएसपीएम) अभियांत्रिकी बिनतारी संदेश यंत्रणेसाठी जगभरात प्रसिद्ध असलेल्या या रेडिओमुळे आपत्ती काळात कोल्हापूरकरांना आता थेट जगाशी संपर्क साधता येणार आहे.

Hello Pune
Page No. 4 May 11, 2023

Place: Pune
Date: 12 February 2024

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

लोकमत

बहुआयामी तंत्रज्ञानावर आधारित उद्योगांवरील गुंतवणुकीत वाढ

एआयएसएसएमएस आयओआयटी महाविद्यालयात चर्चासत्र

लोकमत न्यूज नेटवर्क

पुणे : एआयएसएसएमएस आयओआयटी महाविद्यालयात 'इमर्जिंग स्मार्ट कंप्यूटिंग अँड इन्फॉरमेटिक्स-ईएससीआय' विषयावरील पाचवी आंतरराष्ट्रीय परिषद आयोजित करण्यात आली आहे. १ ते ३ मार्च अशा तीन दिवस असणाऱ्या परिषदेचे उद्घाटन पद्मश्री, इंडियन इन्स्टिट्यूट ऑफ सायन्स एज्युकेशन अँड रिसर्चचे (आयआयएसईआर) संस्थापक, संचालक, प्रा. के. एन. गणेश यांच्या हस्ते ऑनलाइन झाले.

प्रा. के. एन. गणेश यांनी भाषणादरम्यान इंटरनेट ऑफ थिंग्ज, थ्रीडी तंत्रज्ञान, आर्टिफिशल इंटेलिजन्स, बिग डेटा या तंत्रज्ञानाच्या वेगवान प्रगतीवर प्रकाश टाकला.

अध्यक्ष एआयएसएसएम सोसायटीचे सेक्रेटरी मालोजीराजे छत्रपती यांनी उपस्थितांसाठी शुभेच्छा संदेश पाठविला. एआयएसएसएमएस आयओआयटीचे प्राचार्य डॉ. पी. बी. माने यांनी परिषदेच्या आयोजन प्रेरणेवर प्रकाश टाकला. आयईईईचे पुणे विभागाच्या अध्यक्षा डॉ. सुरेखा देशमुख यांनी आयईईई पुणे विभागाच्या विविध उपक्रमांमधील कामगिरीवर प्रकाश टाकला. थायलंडच्या चेंग माई युनिव्हर्सिटीचे असोसिएट प्रोफेसर एकार्त बुंचेंग, एआयएसएसएमएस संस्थेचे खजिनदार अजय पाटील, निखिल खणसे व प्रशांत ब्रह्मे, अमर बुचडे उपस्थित होते. परिषदेसाठी ८१० शोधनिबंध प्राप्त झाले, अशी माहिती डॉ. मीनाक्षी थलोर यांनी दिली. सूत्रसंचालन डॉ. सुरेश लिमकर व आभार डॉ. वाय. पी. पाटील यांनी मानले. (वा. प्र.)

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पुढारी

तंत्रज्ञानावर आधारित संशोधन वाढायला हवे

पुणे : पुढारी वृत्तसेवा

इंटरनेट ऑफ थिंग्ज, कृत्रिम बुद्धिमत्ता व डाटा विज्ञान, अशा बहुआयामी तंत्रज्ञानावर आधारित उद्योगांवरील गुंतवणूक वेगाने वाढत आहे. अशावेळी तंत्रज्ञानावर आधारित नवनवीन विषयांवर संशोधन वाढायला हवे. या क्षेत्रात येणाऱ्या अडचणींवर, डेटा प्रायव्हसीवर उपाय शोधायला हवेत, असे मत इंडियन इन्स्टिट्यूट ऑफ सायन्स एज्युकेशन अँड रिसर्चचे संचालक प्रा. के. एन. गणेश यांनी व्यक्त केले.

एआयएसएसएमएस आयओआयटी महाविद्यालयात मइमर्जिंग स्मार्ट कॉम्प्युटिंग अँड इन्फॉर्मेटिक्स-ईएससीआय-२०२३वर विषयावरील पाचवी आंतरराष्ट्रीय परिषद आयोजित करण्यात आली. या परिषदेच्या उद्घाटनप्रसंगी ते बोलत होते.

इमर्जिंग स्मार्ट कंप्युटिंग अँड इन्फॉर्मेटिक्स-ईएससीआय-२०२३ विषयावरील पाचव्या आंतरराष्ट्रीय परिषद उद्घाटनप्रसंगी उपस्थित मान्यवर.

प्रा. के. एन. गणेश यांचे मत

प्रा. के. एन. गणेश यांनी आपल्या भाषणादरम्यान इंटरनेट ऑफ थिंग्ज, ५ जी तंत्रज्ञान, आर्टिफिशअल इंटेलिजन्स, बिग डेटा या नवनवीन तंत्रज्ञानाच्या वेगवान प्रगतीवर प्रकाश टाकला. त्यापश्चात्तर नाविन्यपूर्ण विषयांवर आंतरराष्ट्रीय परिषद आयोजित केल्याबद्दल त्यांनी मएआयएसएसएमएसएमएसचे अभिनंदन केले.

स्मार्ट कंप्युटिंग, नेटवर्किंग, कम्युनिकेशन, ऑटोमेशन, आयओटी, सिग्नल आणि इमेज प्रोसेसिंग, आर्टिफिशिअल इंटेलिजन्स, बिग डेटा अशा उदयोन्मुख ट्रेंडला एक व्यासपीठ उपलब्ध करून देणे वेगवान प्रगतीवर प्रकाश टाकला. त्यापश्चात्तर नाविन्यपूर्ण विषयांवर आंतरराष्ट्रीय परिषद आयोजित केल्याबद्दल त्यांनी मएआयएसएसएमएसएमएसचे अभिनंदन केले.

स्मार्ट कंप्युटिंग, नेटवर्किंग, कम्युनिकेशन, ऑटोमेशन, आयओटी, सिग्नल आणि इमेज प्रोसेसिंग, आर्टिफिशिअल इंटेलिजन्स, बिग डेटा अशा उदयोन्मुख ट्रेंडला एक व्यासपीठ उपलब्ध करून देणे आणि जागतिक दर्जाकांना त्यांचे विचार व अनुभव सांगण्याची संधी उपलब्ध करून देणे, हे या परिषदेचे उद्दिष्ट होते. या परिषदेसाठी ८१० शोधनिबंध प्राप्त झाले. त्यापैकी १३४ शोधनिबंध सादर करण्यात येतील, असे परिषदेच्या तांत्रिक समन्वयक डॉ. मीनाक्षी थलोर यांनी स्पष्ट केले.

कार्यक्रमाचे अध्यक्ष एआयएसएसएम सोसायटीचे मानद सचिव मालोजीराजे छत्रपती यांनी परिषदेच्या यशासाठी शुभेच्छा दिल्या. एआयएसएसएमएस आयओआयटीचे प्राचार्य डॉ. पी. बी. माने यांनी परिषदेच्या आयोजनावर प्रकाश टाकला. य वेळी थायलंडच्या चेंग माई युनिव्हर्सिटीचे सहायक प्राध्यापक एकार्त बुंचेंग, एआयएसएसएमएस संस्थेचे खजिनदार अजय पाटील आयईईईचे पुणे विभागाचे उपाध्य अमर बुचडे आदी मान्यवर उपस्थि होते.

सूत्रसंचालन डॉ. सुरेश लिम यांनी केले. परिषदेचे प्रमुख आयोजक डॉ. वाय. पी. पाटील यांनी आभार मानले.

'एआयएसएसएमएस'मध्ये आंतरराष्ट्रीय परिषद होणार

पुणे, दि. २७ (प्रतिनिधी) - 'एआयएसएसएमएस'च्या आयओआयटी महाविद्यालयात 'आयईईई- इमर्जिंग स्मार्ट कंप्युटिंग अँन्ड इन्फॉरमेटिक्स-ईएससीआय -२०२३' या विषयावर ५वी आंतरराष्ट्रीय परिषद आयोजित करण्यात येणार आहे. १ ते ३ मार्च या कालावधीत चालणाऱ्या परिषदेचे उद्घाटन इंडियन इंस्टिट्यूट ऑफ सायन्स एज्युकेशन अँड रिसर्चचे (तिरुपती) संस्थापक, संचालक प्रा.के.एन.गणेश यांच्या हस्ते होणार आहे.

विविध अभियांत्रिकी क्षेत्रातील उद्योगतज्ज्ञ, शिक्षणतज्ज्ञ आणि संशोधक या परिषदेत अभियांत्रिकीच्या नवनवीन विषयांवर व संधीवर मार्गदर्शन करणार आहे. या परिषदेसाठी जगभरातून एकूण ८१० शोधनिबंध प्राप्त झाले असून त्यापैकी १३४ शोधनिबंध सादर करण्यात येतील. स्मार्ट कॉम्प्युटिंग आणि इन्फॉर्मेटिक्स डिझाइनसाठी प्रगत आणि बहुशाखीय संशोधनासाठी एक एकीकृत व्यासपीठ सादर करण्याचे या परिषदेचे उद्दिष्ट आहे. अभियांत्रिकी पदवी, पदवीत्तर विद्यार्थी, शिक्षक, संशोधक यांनी या ऑनलाईन व ऑफलाइन व्यासपीठावर होणाऱ्या परिषदेचा लाभ घेऊन ज्ञान सामायिकरणाला प्रोत्साहित करावे आणि नाविन्यपूर्ण ज्ञान घ्यावे, अशी माहिती प्राचार्य डॉ.पी.बी.माने यांनी दिली.

प्रभात PuneCity, 28 Feb 2023, Page:015
https://epaper.dainikprabhat.com

CAMPUS DIGEST

Ham radio project in Kolhapur

The AISSMS Institute of Information Technology College of Engineering, Pune, in association with the Institute of Electronic and Electricals Engineers Humanitarian Activity Committee Site Group and Radio Amateur Club of Kolhapur, implemented a wireless messaging system through the Ham Radio project in Kolhapur. The project was launched on May 1 by state education minister Deepak Kesarkar and AISSM Society Institute honorary secretary Malojiraje Chhatrapati.

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Workshop

Student publishes book

The storytelling skills of Vic-

Conference on ESCI concludes

The fifth international conference on Emerging Smart Computing and Informatics (ESCI) concl ded on Friday at the AISSMS Institute of Information Technology.

'अलॅक्रिटी' महोत्सवाची सांगता

विद्यार्थ्यांनी सादर केलेल्या विविध कलागुणांचे कौतुक करताना मान्यवर.

NOTICE BOARD CORPO

AISSMS Institute of Information Technology organized an IEEE PES Distinguished Lecturer Program

Department of Electrical Engineering of All India Shri Shivaji Memorial Society's Institute of Information Technology, Pune had organized an IEEE PES Distinguished Lecturer Program on :" Role of the Smart Grid in Facilitating the Integration of Renewables" in association with PES-IAS Chapter IEEE Pune Section on 15th December 2022 to get more insight in the field of Smart Grid . Dr .P. B. Mane addressed the gathering and spoke about the growth of IEEE Pune. Dr. Saifur Rahman, 2022 IEEE President Elect and Director, Virginia Tech Advanced Research Institute, USA spoke about Smart grids , its concept like generation , transmission and distribution and elements of Smart grid.

२ महाराष्ट्र टाइम्स । पुणे

प्रथमेश येचवाड याला पुरस्कार

पुणे : ऑल इंडिया श्री शिवाजी मेमोरियल सोसायटीच्या इन्स्टिट्यूट ऑफ इन्फर्मेशन टेक्नोलॉजी महाविद्यालयातील प्रथमेश येचवाड या विद्यार्थ्याने नुकताच महाराष्ट्र 'बिझनेस अवॉर्ड २०२२' हा पुरस्कार पटकावला. 'मोस्ट प्रॉमिनंट अँड ट्रस्टेड सॉफ्टवेअर कंपनी इन महाराष्ट्र' या श्रेणीत त्याला गौरविण्यात आले.

प्रथमेश ई अँड टीसी इंजिनीअरिंगच्या तिसऱ्या वर्षात शिकत आहे. प्रथमेशने ऑगस्ट २०२१ मध्ये 'आयकनेक्टिफ्लाय' नावाने आयटी कंपनी स्थापन केली. 'रिसिल डॉट इन'तर्फे नुकताच नाशिक येथे प्रथमेशला अभिनेत्री सोनाली कुलकर्णी यांच्या हस्ते हा पुरस्कार देण्यात आला. कंपनीच्या अवंतिका शेंडे, उत्कर्ष एटम, पूर्वा बकाले, सौरभ कदम उपस्थित होते.

Place: Pune
Date: 12 February 2024

(Authorized Signature)
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Principal, AISSMSIOIT,
Pune-1

Place: Pune
Date: 12 February 2024

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