

ANNEXURE – 10

MANDATORY DISCLOSURE

Norms: As per AICTE, New Delhi, Approval Process Handbook 2024-2025

(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 Pincode	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	0800hrsto1630hrs
	Office hours at the Institution	0930hrsto1800hrs
	FAX number with STD code	91-020-26058877
	Telephone	Direct:91-020-020-26057983, EPABX:91-20-26057636,(ExtNo.2001,2002,2003)
	E-mail	principal@aissmsioit.org
	Website	www.aissmsioit.org
Nearest Railway Station (distance in Kilometre)	0.5kmt	
Nearest Airport (distance in Kilometre)	08kmt	

(2)	Name and address of the Trust / Society running the Institution	All India Shri Shivaji Memorial Society
	Address	55-56, Shivajinagar
	City with Pincode	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	1000hrsto1830hrs
	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

Place: Pune
Date: 08 February 2025

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMS IOIT,

Pune-1

(3)	NameofthePrincipal/Director	Dr.PradeepB.Mane
	Designation	Principal
	Qualification	PhD ME-E&TC BE -E&TC
	Fieldofspecialization	ComputerEngineering
	FAXnumberwithSTDcode	91-020-26058877
	Telephone	Direct:91-020-26057983, EPABX:91-20-26057636,(ExtNo.2001,2002)
	Mobile	9420918444
	E-mail	principal@aissmsioit.org

(4)	NameoftheaffiliatingUniversity	SavitribaiPhulePuneUniversity
	Address	Ganeshkhind,Pune-411007(Maharashtra)
	FAXnumberwithSTDcode	91-020-25691233
	Telephone	91-020-25601257,25601258,25601250
	e-mail	affiliation@pun.unipune.ac.in
	Website	www.unipune.ac.in
	Latest affiliation period, LetterNo & date	2023-24,Ref.No.CA1650Dated12-07-2023

(4)(A)NBAAccreditationStatus:

01	Accrediatedupto30.06.2025	Computer Engineering, Information Technology, Electrical Engineering, E&TC Engineering, InstrumentationEngineering
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(4)(B)NAACAccreditationStatus:

01	Accreditedupto02.11.2026	AccreditationGrade:-A+with 3.40Score
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(5)	Governance
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MembersoftheBoardandtheirbriefbackground

Sr No	NameandaddressoftheTrustee	Designation	e-mailandcontactnumber	Credential
1	ShriShahuChhatrapati, NewPalace,Kolhapur-416003	President	shahuchhatrapatinpk@yahoo.co.in	Social Worker
2	ShriYuvrajSambhajiraje Chhatrapati NewPalace,Kolhapur-416003	Vice-President	sambhajichhatrapati@rediffmail.com 9822549320 PA-AmarPatil9850508671 PA - Yuvraj 9922414130	Social Worker
3	ShriMalojirajeChhatrapati NewPalace,Kolhapur-416003	Honorary Secretary	honorarysecretary@aissms.org 9850011333 PA - Vilas 9823138333 PA-Shivaji9923898686	Social Worker
4	ShriShindeSureshPratap PlotNo.31,WirelessHau.Society	HonoraryJoint Secretary	honjtsecretary@gmail.com 9422036902	Business

Place:Pune
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	NearPariharChowkAundh,Pune- 411 007			
5	ShriPatilAjayUttamrao AnkurPark2,Mukundnagar,FlatNo. 12/11, Pune- 411 037	Treasurer	aupatil16000@gmail.com 9822022575 9823124617	Business
6	ShriPatilVishwasBajirao C.S.No.511/KH,'E'Ward Ayodhya Towers, 1st Floor DabholkarCorner,StationRoad Kolhapur - 416 001	Chairman, Governing Council	kpr_vbpatil@bsnl.in 9890009999 PA-Sanju9860699099	Business
7	Shri SalunkheBhagwanraoBaburao 22, Shankarmaharaj Society Vardhamanpur, Near Gangadham Bibvewadi,Pune-411037	Chairman Managing Committee	bhagwanraosalunkhe@gmail.co m 9822072691	Lawyer

MembersofAcademicAdvisoryBody(ManagingCommittee)

Sr No	Nameandaddressofthemember	Designation	e-mail	Contactnumber
1	ShriYuvrajSambhajirajeChhatrapati New Palace KOLHAPUR-416003	Vice-President	sambhajichhatrapati@rediffmail.com	9822549320 PA-AmarPatil 9850508671 PA-Yuvraj9922414130
2	ShriMalojirajeChhatrapati New Palace KOLHAPUR-416003	Honorary Secretary	honorarysecretary@aissms.org	9850011333 PA - Vilas 9823138333 PA-Shivaji9923898686
3	ShriShindeSureshPratap PlotNo.31,WirelessHau.Society Near PariharChowkAundhPUNE - 411 007	Honorary Joint Secretary	honjtsecretary@gmail.com	9422036902
4	ShriPatilAjayUttamrao AnkurPark2, Mukundnagar,FlatNo.12/11 PUNE - 411 037	Treasurer	aupatil16000@gmail.com	9822022575 9823124617
5	ShriPatilVishwasBajirao C.S.No.511/KH,'E'Ward Ayodhya Towers, 1st Floor DabholkarCorner,StationRoad KOLHAPUR-416 001	Chairman, Governing Council	kpr_vbpatil@bsnl.in	9890009999
6	Shri SalunkheBhagwanraoBaburao 22,Shankar maharaj Society Vardhamanpur, Near Gangadham Bibvewadi,PUNE-411037	Chairman Managing Committee	bhagwanraosalunkhe@gmail.com	9822072691
7	ShriMozeShrikantHambirrao 86Yerwada,ShivajiLane PUNE - 411 006	Member, Managing Committee		9822394481
8	ShriJadhavNitin 329A,ShivajiPeth KOLHAPUR	Member, Managing Committee		9823543887
9	ShriBamaneNandkumar 599BParijatRowbungalow Shahu Colony Hockey stadium toJaragnar road, Kolhapur- 416012	Member, Managing Committee		9423042842
10	ShriPadmakarGulabraoPawar 68/B, Shahu Society, Natu Baugh Pune-Satara Road PUNE-411037	Member, Managing Committee		9881376774

Place:Pune

Date:08February2025

(AuthorizedSignature)
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Principal,AISSMSIOIT,

Pune-1

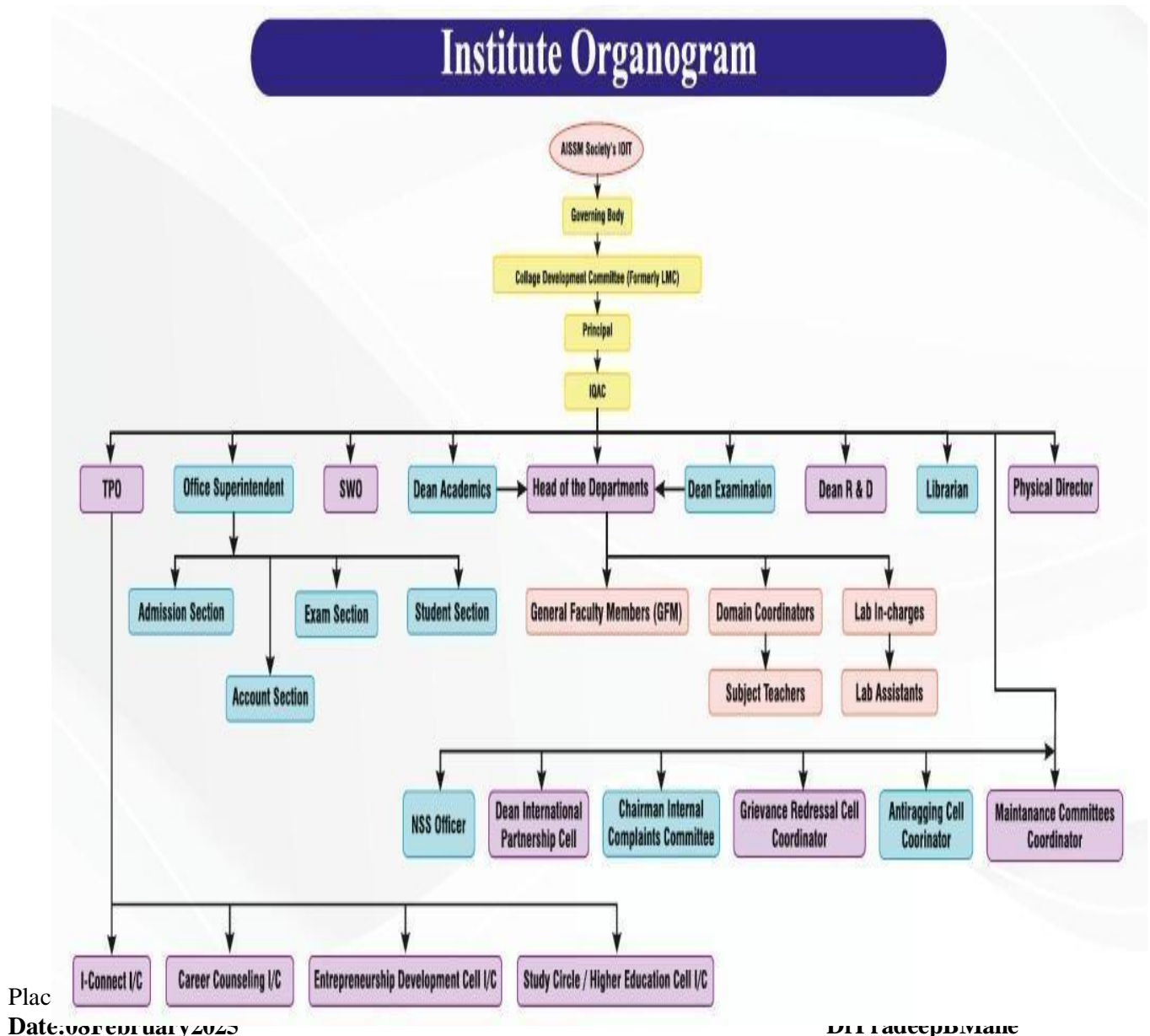
11	ShriNikhilAshokKhanse B-30 Abhiman Shri Society PashanRoad,PUNE-411008	Member, Managing Committee		9822031134
12	Shri Anil SampatraoTaware MalegaonColonyNearSharadanagar At Post Malegaon Bk, Tal.Baramati,Dist.Pune-413115	Member, Managing Committee		9763350657

FrequentlyoftheBoardMeetingandAcademicAdvisoryBody

Sr No	NameoftheCommittee	FrequentlyoftheMeeting
1	Society/BoardCommittee	TheMeetingsoftheManagingCommitteeareheldat3to4 timesinayear.
2	AcademicAdvisoryBody	The Meetings of the Governing Body are held at 3 to 4 times in a year

Organizationalchartandprocesses

AISSMSIOTORGANISATIONSTRUCTURE



Plac
Date: 06/01/2025

Dr. Rajesh Manik
Principal, AISSMSIOT,

Pune-1

- **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.

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

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

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

Mechanism/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.

Place: Pune
Date: 08 February 2025

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Principal, AISSMS IOIT,

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Student 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 times in a year. The feedback is analyzed at the level of Heads of the Department and corrective measures are taken whenever appropriate.

Grievance Redressal mechanisms for Faculty, staff and students

The College is affiliated to Savitribai Phule 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.

Faculty and Staff Grievance

Student Grievance

Chairman: Dr.M.P.Sardey
Members: All HODs, IQAC Coordinator.
Mr.A.J.Mate

Establishment of Anti Ragging Committee

Chairman: Ms.D.S.Morey (Physical Director)
Members: All HODs,
All Class Teachers (GFM)

Establishment of Online Grievance Redressal Mechanism

Online grievance can be given by using following link available on college website
[www.aissmsioit.orghttps://docs.google.com/forms/d/e/1FAIpQLSfqwEDaZdKx6Nb_4uzmW0fwRO5TygGvgOM1ead0nWwf4_t4Q/viewform](https://docs.google.com/forms/d/e/1FAIpQLSfqwEDaZdKx6Nb_4uzmW0fwRO5TygGvgOM1ead0nWwf4_t4Q/viewform)

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

Establishment of Internal Complaint Committee (ICC)

Place: Pune
Date: 08 February 2025

(Authorized Signature)
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Principal, AISSMSIOIT,

Pune-1

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	sriwas.arlikar@aissmsioit.org	9763178789
3	Mrs.V.V.Kale	Member	vandana.kale@aissmsioit.org	9822623780
4	Mrs.ShobhaNikam	Member	shobha.nikam@aissmsioit.org	9860709687
5	Mr.SurajWadke	Member	suraj.wadke@aissmsioit.org	--
6	Mrs.S.S.Ingale	Member	suchitra.ingale@aissmsioit.org	8149203869

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

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, AISSMS Society	honjtsecretary@gmail.com	9422036902
		Mr.P.R.Brahme	Member, AISSMS	prashantbrahme@hotmail.com	9890400313
		Mr.N.A.Khansé	Member, Managing Committee	nikhilkhansé@gmail.com	9822031134
		Mr.A.J.Mate	Office Superintendent	ajay.mate@aissmsioit.org	9881597576
		Mr.S.V.Shelar	AP in Electrical	sachin.shelar@aissmsioit.org	9422088840
		Mrs.Saba Shaikh	AP in Electrical	saba.shaikh@aissmsioit.org	9881667867
		Mr.P.B.Wakhare	AP in IT	prashant.wakhare@aissmsioit.org	9673470986
		All HoDs			

Place: Pune
Date: 08 February 2025

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMS IOIT,

Pune-1

6)Programs

0	NameoftheDepartment	ComputerEngineering		
	1 Course	ComputerEngineering		
	Level	UG		
	1 st Yearofapprovalbythe Council	1999		
		2022-23	2023-24	2024-25
	YearwiseSanctionedIntake	120	120	120
	YearwiseActualAdmissions	135	138	132
	Cutoffmarks–General quota	Min.Marks= 89.85 MaxMarks=95.37	Min.Marks= 28.46 MaxMarks=98.65	Min.Marks= 3.85 MaxMarks=98.71
	% Students passed with Distinction	91.78	94.80	-
	%StudentspassedwithFirst Class	02.73	2.59	-
	StudentsPlaced	118	109	28
	MinimumSalary	3.00	3.00	4.0
	MaximumSalary	12.64	15.80	8.00
	Averagepaypackage,Rs./Year	4.7	4.62	6.0
	Students opted for Higher Studies	06	12	15
	Accreditation Status of the course	AccreditedwithNAAC(A+)andAccreditedwithNBA		
	SPPUAffiliationStatus	Permanent		
	DoctoralCourses	No		
	ForeignCollaborations,ifany	No		
	ProfessionalSociety Memberships	CSI,ISTE,FSAI,IEEE		
	Professionalactivities	1."TechnicalProject Competition" organized under T.E.S.L.A on 25/11/2021.		

Place:Pune

Date:08February2025

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DrPradeepBMane

Principal,AISSMSIOT,

Pune-1

	2.FDPon”ComputationalStatisticsandbigdataanalytics using python” 7/3/2022 to 11/3/2022. 3.Hackthon. 4.WorkshoponML&DL. 5. Workshop on “Chatbot development using custom dataset and deep learning”. 6. Workshopon“PythoncoreprogrammingHandson implementation”. 7. Workshop on “Redesign your Life-BeReadyforCorporate Experience, Exploring Personality development Skills”. 8. Workshopon“AutomationTestingTool: Selenium,Jmeter”. 9. Workshop on “DjangoRestFrameworkforsecure &maintainable web site”. 10. Workshopon“MiniProjectDevelopment using machine learning techniques”.
Consultancyactivities	Yes
Grantsfetched	-
DepartmentAchievements	BestDepartmentawardin20-21

0	NameoftheDepartment	ElectricalEngineering		
	2 Course	ElectricalEngineering		
	Level	UG		
	1 st Yearof approval bythe Council	1999		
		2022-23	2023-24	2024-25
	YearwiseSanctionedIntake	60	60	60
	YearwiseActualAdmissions	56	59	60
	Cutoffmarks–General quota	MinMarks =38.04 MaxMarks= 96.57	MinMarks =32.21 MaxMarks =82.33	MinMarks =32.88 MaxMarks =91.74
	% Students passed with Distinction	76.12	59.26	--
	%StudentspassedwithFirstClass	8.96	18.52	--
	StudentsPlaced	48	48	05
	Maximumpaypackage,Rs./Year	6,75,000/-	7,60,000/-	3,00,000/-
	Minimumpaypackage,Rs./Year	1,08,000/-	1,80,000/-	7,50,000/-
	Averagepaypackage,Rs./Year	3,70,550/-	3,30,278/-	5,25,000/-
	StudentsoptedforHigherStudies	02	04	00
	AccreditationStatusofthecourse	AccreditedwithNAAC(A+)andAccreditedwithNBA		
	SPPUAffiliationStatus	Permanent		
	DoctoralCourses	No.		

Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

Foreign Collaborations, if any	No
Professional Society Memberships	IEEE, ISTE, ISLE, IEL, IAENG
Professional activities	Virtual Visit, Guest Lecture, Mock Interview, Workshop, GD, Competitions, Hand on Training on PLC and SCADA .
Consultancy activities	<ol style="list-style-type: none"> 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 , 400KV Jejuri Substation , 132 KV Markal Suubstation 5) Power quality Measurement and Analysis done for 132 KV Markal Suubstation 6) KVAH billing analysis done for 400KV Jejuri Substation and 400KV Lonikand substation
Grants fetched	<ol style="list-style-type: none"> 1. Rs 1,00,554 Workshop on Applications of Power Electronics in Power System from SPPU 2. Rs 2 lakhs 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 from 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

Place: Pune
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Departmental Achievements	<ol style="list-style-type: none"> 1) Blood Donation Trophy for Maximum Number of donors 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 IEEE Establishment 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 received PBAP Performance award (2nd Rank) 6) Mr.S.M.Chaudhari received PBAP Performance award (3rd Rank) 7) Mrs.K.S.Gadgil received 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. Shaikh received 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 PBAP 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 Puraskar 2021 (Education Sector) by Business Express Shree Foundation, Sangli . 12) Dr.A.D.Shiralkar received Certificate of Appreciation- Mentor for IEEE YESIST 2020
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03	Name of the Department	Instrumentation Engineering		
	Course	Instrumentation Engineering		
	Level	UG		
	1 st Year of approval by the Council	1999		
		2022-23	2023-24	2024-25
	Yearwise Sanctioned Intake	60	60	60
	Yearwise Actual Admissions	25	47	49
	Cutoff marks – General quota	Min.Marks=10.2	Min.Marks=41.31	Min.Marks=22.03

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	MaxMarks= 74.35	MaxMarks=78.34	MaxMarks=80.98
% Students passed with Distinction	68.91	66.66	-
% Students passed with First Class	12.16	25.00	-
Students Placed	16	42	4 (SEM1)
Minimum Salary	1.95 LPA	1.50 LPA	4.8 LPA
Maximum Salary	5.8 LPA	6.00 LPA	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, ISOL, ISTE, IETE, IEEE		
Professional activities	<ul style="list-style-type: none"> • Tech talk on topic "Data Integrity" on 21/07/2018 conducted by Mr. Keadr Kulkarni, organized by ISAPune 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 SETE 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 		

Place: Pune
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		<ul style="list-style-type: none"> • Tech Talk on ‘Voluntary Leadership’ delivered by Mr. Ramaniyer, Sr. Lifemember 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, TMC 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 Lab View by Mr. Nagrajan G, VISolutions 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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		<p>Bhagat,ThetaMeasurementandControlsolutionsPvtLtd Pune. On 06/03/2023 to 10/03/2023.</p> <ul style="list-style-type: none"> • Workshop on “Big data analytics using Python and Power BI”byMr.YogeshMurumkar,BharatSoftSolutions,Pune on 06/03/2023 to 10/03/2023. • VisittoAutomationExpo23atBombayExhibitionCentre HostedbyIEDCommunicationLtdandsponsoredbyISA Pune Section on 25/08/2023. • Workshop on problem solving and Ideation and Ideation challenge by Mr. Subodh Morey and Team, BOSTON ScientificTechnologyandEngineeringServicePvt.Ltd., Pune on 15/09/2023. • IndustrialvisittoProexcelSystems,Bhosari,Puneon 27/09/2023. • Expertlectureon“PLCInterfacingtoHMIandPneumatic systems” by AbhijitHingmire, Sales Director, TecLogos Automation Pvt Ltd., Pune on 04/10/2023.
	Consultancyactivities	<p>Consultancy Project on “Development of X-Y Cartesian System” by SVR Infotech Pune Amount–100000Rs.</p>
	Grantsfetched	<ul style="list-style-type: none"> • GrantofRs.1,00,000.00receivedforwork‘Biomedical Image Indexing and retrieval’ from BCUD, Pune. • AICTEMODROBGrantofRs.6,59,000.00receivedfor ‘Biomedical Instrumentation lab’ in AY 2018-19 • AICTEMODROBGrantofRs.12,00,000/-receivedfor ‘Biomedical Instrumentation lab’ in AY 2019-20 • Grant of amount Rs. 20,400/- received for FDP on ‘AutomatedManufacturingSystems(ICT06)’from NITTTR NME-ICTin AY 2019-20 • GrantofRs.3,00,000/-receivedfromASPIRESPPUPune, 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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<p>Departmental Achievements</p>	<ul style="list-style-type: none"> • 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 Waste Management Issues & Challenges Workshop, Expert Lectures • Shrutikhardewon 2nd Prize, Poster making competition, IEEE, AISSMS IOIT • Rajas Sangmnerkar, won 1st prize , Robustus-Roboraces-1C, Mindspark 18, COEP • Ranveersingh 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 1st runner up 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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		<ul style="list-style-type: none"> • SwatiBhat,AbhishekAmbetkar,PratikRokhondesecured III position poster making competition organized by AISSMS’s IOIT IEEE student branch, Pune on 04/09/18 • ShivanshuPatilSelectedasaofYoungProfessional Member in ISA Pune – 2021-22. • Dr. Amita Shinde wasawarded as SavitribaiPhule ExcellenceAward-2022 for BESTRESEARCHER,whichwas organized by KJEI’sTrinityCollegeofEngineeringandResearch,Pune. • Dr.AmitaShindeawardedasaBestTeacherinSavitribai Phule Pune University in 2022-23. • Mrs. Sheetal Vijay Kulkarni (Applicant, Faculty - DepartmentofInstrumentationEngineering),Dr.Vandana Vishwanathrao Kale (Inventor, Faculty - Department of Instrumentation Engineering), and Ms. RutujaDarwade (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) • Studentswonthe3rdPrizein“<i>TheIDEATIONChallenge</i> Competition” STEM 2023, organizedby BOSTON ScientificTechnologyandEngineeringServicesPrivate Limited , Pune on dated 16th October 2023 • Mr. Sagar Jagtap Successfully completed the course “Applied Linear Algebra For Singal Processing, Data AnalyticsandMachineLearning”andwonaGoldMedal with 23.13/25 in India. • Mrs.ChitralkhaRananawarehasSuccessfullyCompleted the Course “Project Management : Planning, Execution, and Control.(8 Week) in 2023-24.
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		<ul style="list-style-type: none"> • Mrs.S.V.KulkarnihasSuccessfullyCompletedCourse “PatentSearchforEngineersandLawyers”in2023-24 • Dr.V.V.KalehasSuccessfullyCompletedCourse “Introduction to Biostatics” in 2023-24. • Mr.SandeshSonawane(BEStudent)gotThirdPrizein“ Avishkar “ 2023-24. • Miss.MansiKadam(SYBtechStudent)selectedforthe Lila Poonawalla Foundation Scholarship 2023.
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0 4	NameoftheDepartment	Electronics&Tele-communication		
	Course	Electronics&Tele-communicationEngineering		
	Level	UG		
	1 st Yearofapprovalbythe Council	2008-2009		
		2022-23	2023-24	2024-25
	YearwiseSanctionedIntake	120	120	120
	YearwiseActualAdmissions	134	134	130
	Cutoffmarks–General quota	Min.Marks=5.44 MaxMarks= 93.14	Min.Marks=51.23 MaxMarks=93.75	Min.Marks=66 MaxMarks=94
	%Studentspassedwith Distinction	29.80	71.13	--
	%StudentspassedwithFirst Class	16.56	15.12	--
	StudentsPlaced	193	133	155
	Averagepaypackage, Rs./Year	4.0Lac./Year	4.0Lac./Year	4.5 Lac/Annum
	Maximumpaypackage, Rs./Year	6.75Lac /Year	7.0Lac/ Annum	7.0Lac/ Annum

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Minimum pay package, Rs./Year	3.36Lac ./Year	1.2Lac/ Annum	1.2Lac/ 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	<ul style="list-style-type: none"> • 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 text 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 for 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	<ul style="list-style-type: none"> • 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.Teashree 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) awarded 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 connectify 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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		<ul style="list-style-type: none"> • 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 Form SPICE (INC-32) submitted on the MCA portal in respect of YOBROSHOSPITALITY PRIVATE LIMITED vide SRNF08681660 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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		<p>Certificate of Appreciation for his colossal contribution towards improving the employability ecosystem and guiding students towards a brighter future.</p> <ul style="list-style-type: none"> • 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 participated in and completed the Professional Development Programme on 'Implementation of NEP 2020 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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		<p>Foundation'and'AWSAcademySolutionArchitect' conducted by Edu skills foundation on 22/02/2023</p> <ul style="list-style-type: none"> • 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 womentoempowerthemselves, 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 Engineeringfor winningIngenious 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. VarshaPatil,MemberofSPPUPune,Avishkarteam 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 Udey Courseon“HowToWriteAPerfectResearchPaper”. • Dr.S.A.Panwar presented the IEEE HAC SIGHT project “HAMRadioSetupForFloodProneArea(22-HAC-062) in National Platform for Disaster Risk Reduction (NPDRR-2023) on 10th&11th March 2023. • Mr.V.N.GhodakereceivedthecertificateofAppreciation, inacknowledgementoftheoutstandingprofessionalskill, leadership and ceaseless efforts exhibited , resulting in majorcontributionsstotheeffectivenessandsuccessofthe life skills programme by Rubiconin November 2022. • NehaNilajkar(E&TC)Secured8thrankinUniversitymerit ListTE2015May2020
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		<ul style="list-style-type: none"> • Dr H D Shinde successfully completing her Ph.D. Degree in Auditory based speech enhancement for hearingimpaired guidance Dr. V.S Vyas College Of Engineering Pune • Dr.M S Vanjale successfully completing her Ph.D. Degree in Enhancing energy Efficient of nodesforextendinglifetimeof 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 asTechnicalprogramcommitteemember and Reviewer for Springer International Conference ICAAIML 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 receivedconsecutive 10thGold Medal at 48th Maharashtra state senior judo championship 2021-22 • Mr.VikasDesaiGold Medal at Dr. Jigoro KanoChampionship 2019 held at Mumbai. • Dr S B DhondereceivedPimpri 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 DhondereceivedShriGuruDattaMandirtrustandHon MLA Laxman Jagtap mitramadal Awarded on 12th Dec 2021 forthesocialwork(Coronawarriors)duringCOVIDPandemic • Ms.ShobhaNikamreceivedBestYoungResearcherNational AwardbyIRDPfortheoutstandingexcellenceandremarkable
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		<p>achievements in the field of teaching, research and publications on 24th August 2019.</p> <ul style="list-style-type: none"> • Mrs. VK Patil received TIP Honor of Excellence: Inspiring Educators Award 2021. • Dr D.K. Shedge worked as Session chair for IEEE International Conference. • Dr VK Bairagi received following awards: <ul style="list-style-type: none"> o SPPune 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: <ul style="list-style-type: none"> o Best Teacher Award by Lokmangal Bank Solapur Branch Pune 2017-18 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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	<ul style="list-style-type: none"> 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. Vinita Philip, Mrs.S.V.Lohar, Mrs.M.R.Wanjare were Participated in Making New Guinness Book of world record.
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0 5	Name of the Department	Information Technology		
	Course	Information Technology		
	Level	UG		
	1st Year of approval by the Council	2008-2009		
		2022-23	2023-24	2024-25
	Yearwise Sanctioned Intake	60	60	60
	Yearwise Actual Admissions	FE=68 DSE=08 Total=76	FE=70 DSE=10 Total=80	FE= 69 DSE=08 Total=77
	Cutoff marks – General quota	Min.Marks= 67.75 Max.Marks=95.1 9	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)	AY2021-22 workshop=7 AY2022-23 Workshop=5 AY2023-24 Workshop=3 AY2021-22 Expert Lecture=14 AY2022-23 Expert Lecture=24 AY2023-24 Expert Lecture=08
Consultancy activities	NIL
Grants fetched	NIL
Departmental Achievements	<ol style="list-style-type: none"> 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

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0 6	NameoftheDepartment	ArtificialIntelligenceandDataScience		
	Course	ArtificialIntelligenceandDataScience		
	Level	UG		
	1stYearofapprovalbythe Council	2020-21		
		2022-23	2023-24	2024-25
	YearwiseSanctionedIntake	120	120	120
	YearwiseActualAdmissions	137	136	137
	Cutoffmarks–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
	%Studentspassedwith Distinction	--	--	--
	%StudentspassedwithFirst Class	--	--	--
	StudentsPlaced	--	79	13
	Averagepaypackage, Rs./Year	--	6Lac/Annum	6Lac/Annum
	Maximumpaypackage, Rs./Year	--	14 Lac/Annum	14 Lac/Annum
	Minimumpaypackage, Rs./Year	--	3.5Lac/Annum	3.5Lac/Annum
	StudentsoptedforHigher Studies	--	--	--
	AccreditationStatusofthe course	No		
	SPPUAffiliationStatus	Yearly		
	DoctoralCourses	No		
	ForeignCollaborations, ifany	No		
	ProfessionalSociety Memberships	--	ISTE, IEEE	IEEE
	Professionalactivities (AY: 2020-21)	NIL		
	Consultancyactivities	NIL		
	Grantsfetched	NIL		
	DepartmentalAchievements	BloodDonationCamp-Rollingtrophy		

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(7) Faculty:

Sr. No.	Name of the Teaching Faculty	Designation (Professor /Associate Professor/ Assistant Professor)			
			Teaching	Industry	Research
1	2	3	4	5	6
1	Dr. Pradeep Bajrang Mane	Principal	31	3	15
2	Dr. Sarika Nitin Zaware	Professor in Computer Engineering	24	....	....
3	Dr.Kishor Sadashiv Wagh	Associate Professor in Computer Engineering	30	0	0
4	Ms. Minal Abhijeet Zope	Assistant Professor in Computer Engineering	22	....	....
5	Ms.Shilpa Purushottam Pimpalkar	Assistant Professor in Computer Engineering	22	....	....
6	Mrs.Minal Prashant Nerkar	Assistant Professor in Computer Engineering	22	....	....
7	Ms.PrajwalSopan Gaikwad	Assistant Professor in Computer Engineering	21	....	....
8	Ms. Neha Sangram Patil	Assistant Professor in Computer Engineering	17	....	....
9	Mr.GirishJaysingNavale	Assistant Professor in Computer Engineering	17	....	....
10	Mr.PrashantShivlingSadaphule	Assistant Professor in Computer Engineering	17	....	....
11	Ms.Archana Ganesh Said	Assistant Professor in Computer Engineering	18	....	....
12	Mr.SugatRamrao Pawar	Assistant Professor in Computer Engineering	14	....	....
13	Dr.ChetanNimba Aher	Assistant Professor in Computer Engineering	11	0.9	....
14	Dr.Veena Suhas Bhende	Assistant Professor in Computer Engineering	9	....	....
15	Dr.Amrपाली Shivaji Chavan	Assistant Professor in Computer Engineering	11.05	2	....
16	Ms. Anuradha ShivajiraoVaral	Assistant Professor in Computer Engineering	6	....	....
17	Ms.Poonam Swapnil Jadhav	Assistant Professor in Computer Engineering	9.3	....	....
18	Ms.ShradhaBhanudasrao Toney	Assistant Professor in Computer Engineering	13	2	....
19	Mrs. Farhana Sarvar Fatima Kazi Sayed	Assistant Professor in Computer Engineering	1	....	....
20	Mr. Suhas Bhaskar Deokate	Assistant Professor in Computer Engineering	3.3	10.4	....
21	Dr. Supriya Arvind Bhosale	Assistant Professor in Computer Engineering	8	....	....
22	Dr. RiyazahmedAbdulgani Jamadar	Assistant Professor in AI&DS Engineering	24	2	....
23	Dr.Deeplakshmi Sachn Zingade	Assistant Professor in AI&DS Engineering	14	....	....
24	Mr.Ganesh Hari Wani	Assistant Professor in AI&DS Engineering	13	6	0

Place:Pune

Date:08February2025

(AuthorizedSignature)

DrPradeepBMane

Principal,AISSMSIOT,

Pune-1

25	Ms. Pradnya Dattatraya Bormane	Assistant Professor in AI&DS Engineering	10	....	....
26	Ms. Sayali Aditya Belhe	Assistant Professor in AI&DS Engineering	6.8	2	....
27	Ms.Swati Dattatray Kadu	Assistant Professor in AI&DS Engineering	8.6	2	1
28	Ms. Reshma RajanandOwhal	Assistant Professor in AI&DS Engineering	5	....	....
29	Ms. Bhagyashree DagaduLambture	Assistant Professor in AI&DS Engineering	7.6	....	....
30	Mr.SatishDnyaneshwarrao Kale	Assistant Professor in AI&DS Engineering	7	....	....
31	Ms. Rajshri Nagnath Malage	Assistant Professor in AI&DS Engineering	4	....	....
32	Mrs. Snehal Akshay Bagal	Assistant Professor in AI&DS Engineering	5	....	....
33	Dr. Shagufta Mohammad Sayeed Sheikh	Assistant Professor in AI&DS Engineering	3	4	....
34	Ms.MadhuriBhagwantaThorat	Assistant Professor in AI&DS Engineering	5	....	....
35	Mrs. Kalyani Vijay Thore	Assistant Professor in AI&DS Engineering	1	....	....
36	Mrs. Tejaswi Ganesh Mangave	Assistant Professor in AI&DS Engineering	1.6	....	....
37	Miss. Snehal Chandrakant Rathod	Assistant Professor in AI&DS Engineering	4	....	....
38	Mrs. Aparna Amar Veer	Assistant Professor in AI&DS Engineering	6	....	....
39	Miss. Rakhi Suresh Meshram	Assistant Professor in AI&DS Engineering	2	....	....
40	Mrs. Naziya Ashpak Inamdar	Assistant Professor in AI&DS Engineering	1	....	....
41	Dr. Meenakshi Anurag Thalor	Associate Professor in IT Engineering	18	....	....
42	Mr. Pritesh Kumar Patil	Assistant Professor in IT Engineering	21	...	....
43	Ms.Pragati Prashant Mahale	Assistant Professor in IT Engineering	16	....	....
44	Ms.Anuja Sandeep Phapale	Assistant Professor in IT Engineering	20.5	....	....
45	Ms.Jayashree Chandrakant Pasalkar	Assistant Professor in IT Engineering	16	....	....
46	Dr.Reshma Yogesh Totare	Assistant Professor in IT Engineering	17.5	....	....
47	Mr.Vikas Janardan Desai	Assistant Professor in E&TC Engineering	13.5	....	....
48	Dr.PrashantBalasahebWakhare	Assistant Professor in IT Engineering	12	2	....
49	Dr.Mrunal Kishor Phatak	Assistant Professor in IT Engineering	14.5	1	....
50	Ms. Supriya Kumar More	Assistant Professor in IT Engineering	9	....	....
51	Ms. Punashri Mahadev Patil	Assistant Professor in IT Engineering	10	....	....
51	Dr.VinayakKachardasBairagi	Professor In E&TC Engineering	19	6

Place:Pune

Date:08February2025

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DrPradeepBMane

Principal,AISSMSIOIT,

Pune-1

52	Dr. Chandrashekhar Someshwar Garde	Professor of Practice	22
53	Mr. Milind Laxmikant Jape	Professor of Practice	....	20	....
54	Dr.Mohini Pramod Sardey	Associate Professor in E&TC Engineering	31	....	4
55	Dr.Mousami Sandeep Vanjale	Associate Professor in E&TC Engineering	21	1	5
56	Dr.RakeshBapuDhumale	Associate Professor in E&TC Engineering	16	0	0
57	Mr.Pandurang Abhimanyu Patil	Assistant Professor in Electronics Engineering	37	....	....
58	Mr.VenkatNamdeoGhodake	Assistant Professor in E&TC Engineering	26	....	....
59	Mr.MilindPralhadGajare	Assistant Professor in E&TC Engineering	18	6	....
61	Mr.Devendra Anant Itole	Assistant Professor in E&TC Engineering	16	...	...
62	Dr. Shobha Sachin Nikam	Assistant Professor in E&TC Engineering	16.5	....	....
63	Ms. Mamta Sanjay Koban	Assistant Professor in E&TC Engineering	15	....	....
64	Ms. Varsha Kiran Patil	Assistant Professor in E&TC Engineering	23	2	2
65	Mr. Sagar Babanrao Pokharkar	Assistant Professor in E&TC Engineering	17	....	....
66	Mr.Sachin Ratnakar Kokane	Assistant Professor in E&TC Engineering	14	....	....
67	Dr.Vineeta Philip	Assistant Professor in E&TC Engineering	18	....	....
68	Mr. Rahul Namdeo Jadhav	Assistant Professor in E&TC Engineering	10.5	1.5	....
69	Ms.Supriya Vikas Lohar	Assistant Professor in E&TC Engineering	19	....	....
70	Ms. Dipali Mahendra Yewale	Assistant Professor in E&TC Engineering	21	....	....
71	Mr. Chandrakant Khewaji Bhangre	Assistant Professor in E&TC Engineering	15.5	2	....
72	Dr.Harshada Bhushan Magar	Assistant Professor in E&TC Engineering	14	1	....
73	Dr.Nilima Satish Warade	Assistant Professor in E&TC Engineering	14	....	....
74	Dr.Sarika Amitraj Panwar	Assistant Professor in E&TC Engineering	12	....	....
75	Miss. Rupali Shirang Pawar	Assistant Professor in E&TC Engineering	9.9	9.18	....
76	Dr. Ashapana Dilavar Shiralkar	Associate Professor Electrical Engineering	23	....	....
77	Mr. Sachin Vitthal Shelar	Assistant Professor in Electrical Engineering	24	2	3
78	Ms. Krutuja Shikrishna Gadgil	Assistant Professor in Electrical Engineering	22	....	....
79	Dr.Saurabh Sumant Shingare	Assistant Professor in Electrical Engineering	21	....	....
80	Ms. Shubhangi Sudhir Landge	Assistant Professor in Electrical Engineering	20	2

Place:Pune

Date:08February2025

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DrPradeepBMane

Principal,AISSMSIOT,

Pune-1

81	Dr.Vijaykumar Shankar Kamble	Assistant Professor in Electrical Engineering	26
82	Ms. Saba Kausar Mubeenahhed Shaikh	Assistant Professor in Electrical Engineering	17	2	....
83	Ms. VaishaliPrahladraoKuralkar	Assistant Professor in Electrical Engineering	16	....	....
84	Mr. Prashant Prakash Mahajan	Assistant Professor in Electrical Engineering	21	4	2
85	Mr.SandeepDnyanu Raste	Assistant Professor in Electrical Engineering	11	2	....
86	Mr. Rajesh Rupchand Waghulde	Assistant Professor in Electrical Engineering	9	1	....
87	Miss. Dhanashri Dasharath Changan	Assistant Professor in Electrical Engineering	9.5	....	....
88	Mr.AtulArunrao Joshi	Assistant Professor in Electrical Engineering	3	....	....
89	Mr. Amit Saxsena	Assistant Professor in Instrumentation Engineering	....	20	.....
90	Dr. Amita Anirudha Shinde	Associate Professor in Instrumentation Engineering	17	....	....
91	Dr.VandanaVishwanathrao Kale	Assistant Professor in Instrumentation Engineering	15	....	....
92	Mr.Hemant Pandurang Chaudhari	Assistant Professor in Instrumentation Engineering	26	....	....
93	Ms.Sheetal Vijay Kulkarni	Assistant Professor in Instrumentation Engineering	15.5	....	....
94	Mr.Jagtap Sagar Satyawan	Assistant Professor in E&TC Engineering	13	....	....
95	Dr.Badri Naryan Mohapatra	Assistant Professor in Instrumentation Engineering	18	....	5
96	Ms. Sharmila Rajabhau Garthe	Assistant Professor in Instrumentation Engineering	2.6	.....	.....
97	Mr.PradeepUttamraoPalkar	Assistant Professor in Instrumentation Engineering	6	.....	.....
98	Mr. Shashikant Rangnathrao Kale	Assistant Professor in Instrumentation Engineering	8	.....	.....
99	Dr.Pramod Ganesh Musrif	Assistant Professor in Physics	17	5	8
100	Mr. ShriniwasVasantraoArlikar	Assistant Professor in Physics	31	2	2
101	Dr. Manisha Rakesh Raghuvanshi	Assistant Professor in Physics	9	....	....
102	Dr. Yogesh Pralhadrao Patil	Associate Professor in Chemistry	25	2	2
103	Dr.Nidhi Sharma	Assistant Professor in Chemistry	19	....	....
104	Dr.PoonamRanveersinghKaswan	Assistant Professor in Chemistry	4	....	....
105	Ms. Atiya Nasir Khan Pathan	Assistant Professor in Civil Engineering	17	....	2
106	Ms. Gayatri Nitin Mawale	Assistant Professor in Civil Engineering	17	3	....
107	Mr.Amit Haresh Raheja	Assistant Professor in Civil Engineering	11.5	....	....
108	Mr.Vikram Dilip Deshmukh	Assistant Professor in Civil Engineering	9.5	2	....

Place:Pune

Date:08February2025

(AuthorizedSignature)

DrPradeepBMane

Principal,AISSMSIOT,

Pune-1

109	Ms. Rajashree Lalitkumar Nanaware	Assistant Professor in Civil Engineering	4	....	....
110	Mr. Pradip Dilip Nimbalkar	Assistant Professor in Civil Engineering	2	....	....
111	Mr. Amol Jagannath More	Assistant Professor in Mechanical Engineering	15	1	1
112	Mr. Shivaji Sitaram Gadadhe	Assistant Professor in Mechanical Engineering	14.1	....	....
113	Mr. Nitin Prakashrao Bhone	Assistant Professor in Mechanical Engineering	17	1	....
114	Mr. Asish Shankarrao Apaté	Assistant Professor in Mechanical Engineering	8	2	....
115	Dr. Pritam Santosh Saha	Assistant Professor in Mechanical Engineering	5	....	....
116	Mr. Mahesh Balasaheb Nigade	Assistant Workshop Superintendent	12	....	....
117	Mr. Pandit Bandu Shinde	Assistant Professor in Mathematics	16.5	....	....
118	Dr. Dilip Shravan Shelar	Assistant Professor in Mathematics	24	....	....
119	Ms. Supriya Sudam Raskar	Assistant Professor in Mathematics	4	....	....
120	Mr. Ramkrishna Baban Tope	Assistant Professor in Mathematics	12	....	....
121	Mr. Naushad Akbar Shaikh	Assistant Professor in Mathematics	5	....	....
122	Mr. Jayesh Dineshbhai Savaliya	Assistant Professor in Mathematics	4	....	....
123	Ms. Priyanka Kamalakar Shinde	Assistant Professor in Engineering Sciences	4	....	....
124	Mrs. Sasha Sarang Shelke	Assistant Professor	7	8	.....
125	Mr. Neeraj Devidas Gaikwad	Training and Placement Officer	25.8	....	....
126	Dr. Deepali Sureshchandra Morey	Physical Director	15.2	....	....
127	Ms. Pushpa Vitthal Hirave	Librarian	13	....	....
128	Ms. Madhavi Prashant Parulekar	Librarian	16	....	....

Ratio:

Faculty:StudentRatio-1:20

Number of Faculty employed and left during the last three years

SrNo	Year	Number of Faculty	
		Employed	Left
1	2022-2023	25	18
2	2023-2024	12	11
3	2024-2025	23	15

Place: Pune

Date: 08 February 2025

(Authorized Signature)
Dr. Pradeep B. Mane
Principal, AISSMSIOT,

Pune-1

(8) Profile of Principal and Faculty

- ❖ Name of the Teaching Staff : Dr. Pradeep Bajrang Mane
- ❖ Designation : Principal
- ❖ Department : Electronics and Tele-Communication
- ❖ Date of Joining the Institution: 13/06/2009
- ❖ Qualifications with Class/Grade: Ph.D, ME (E&TC)-First Class
- ❖ Total Experience in Years : Teaching-31 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 Lakhs).
4. Co-investigator for BCUD sponsored project (grants of Rs. 1.80 Lakhs).
5. Received grant worth \$ 4418 from the IEEE Humanitarian Activity Committee (HAC) & IEEE special interest 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: 08 February 2025

(Authorized Signature)

Dr Pradeep B Mane

Principal, AISSMS IOIT,

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-24 Yrs Industry- Research -

❖ Papers Published : National- International-(Journal) 41

❖ Papers Presented in Conference: National- International-07

❖ Ph.D Guide ? Give Field & : 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. Omnichannel Marketing: The evolution of customer buying behavior in the smartphone 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 : CSILife Member, ISTE Life Membership, IAENG
Membership, IEEE membership

❖ Consultancy Activities : 18000/-

❖ Awards : 1. Best HOD Award in AISSMS IOIT during 2017-18, 2015-6, 2012-2013
2. Best Paper Award in IEEE Conference 2020-(ESCI) organized by AISSMS IOIT, Pune
3. Best Paper Award in IEEE Conference 2016 (ICACDOT)

Organized by I2IT Pune.

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

❖ Interaction with Professional :
Institutions

Place: Pune
Date: 08 February 2025

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMS IOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Dr.KishorSadashivWagh
- ❖ Designation :AssociateProfessor
- ❖ Department :ComputerEngineering
- ❖ DateofJoiningtheInstitution:05/04/2017



- ❖ QualificationswithClass/Grade:PhDinComputerScienceandEngineering

ME Computer Engineering/ First Class
BEComputerEngineering/FirstClasswithDistinction

- ❖ TotalExperienceinYears :Teaching-27 Industry- Research - -
- ❖ PapersPublished :National- 50 International-05(Journal)
- ❖ PapersPresentedinConference:National-01 International-03
- ❖ Ph.D Guide ? Give Field & University - JJTU :Field-WireandwirelessTechnology,AI/ML
- ❖ PhDs/ProjectsGuided :PhDs-02 ProjectsatMasterslevel-02
- ❖ BooksPublished/IPRs/Patents(WithDetails):01STQA
- ❖ ProfessionalMembership :LM-ISTE-30572,ACM-7052189,ISTELifeMembership,IAENG
Membership, IEEE membership
- ❖ ConsultancyActivities :Nil
- ❖ Awards :Nil
- ❖ GrantsFetched :Nil
- ❖ Interaction with Professional Institutions :IIT(Pune),COEP

Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Ms.ShilpaP.Pimpalkar
- ❖ Designation :AssistantProfessor
- ❖ Department :ComputerEngineering
- ❖ DateofJoiningtheInstitution:1-08-2005
- ❖ QualificationswithClass/Grade:Ph.D.(Pursuing),MEComputerEngineering
- ❖ TotalExperienceinYears :Teaching-22 Industry- Research -
- ❖ PapersPublished :National- 2International-6
- ❖ PapersPresentedinConference:National- 2 International-Nil
- ❖ Ph.DGuide?GiveField& :Field- University -
- ❖ PhDs/ProjectsGuided :PhDs- ProjectsatMasterslevel-
- ❖ BooksPublished/IPRs/Patents(WithDetails):
 - AuthorofBook“DataMiningandAnalytics”,TechnicalPublication,ISSNNO 978-93-332-1961-7
 - PatentPublished:IOTbasedwaterdispensingapparatus(ApplicationNo.202021008223)date of publication 22/05/2020
- ❖ ProfessionalMembership :ISTE,CSI(Lifemembership)
- ❖ Consultancy Activities :WorkedasconsultantwithUpgradededucationpvt.Ltd.forthedesign and development of the course contents 40,000/-
- ❖ Awards :
- ❖ GrantsFetched : 1,50,000/-(fundedbyISRO)
- ❖ Interaction with Professional :
Institutions



Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Ms.MinalAbhijitZope
- ❖ Designation :AssistantProfessor
- ❖ Department :Computer
- ❖ DateofJoiningtheInstitution:29.7.2004
- ❖ QualificationswithClass/Grade:MEComputer,FirstClass,PhDPursuing
- ❖ TotalExperienceinYears :Teaching–21Years Industry- Research -
- ❖ PapersPublished :National-05 International–3
- ❖ PapersPresentedinConference:National-02 International–
- ❖ Ph.DGuide?GiveField&:Field- University -
- ❖ PhDs / Projects Guided :PhDs - ProjectsatMasterslevel–
- Books Published/IPRs/Patents (With Details) :No
- ❖ ProfessionalMembership :IndianSocietyforTechnicalEducationandComputerSocietyofIndia
- ❖ ConsultancyActivities :No
- ❖ Awards :No
- ❖ GrantsFetched 01
- ❖ Interaction with Professional Institutions :



Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
 Principal,AISSMSIOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Mrs.MinalPrashantNerkar
- ❖ Designation :AssistantProfessor
- ❖ Department :Computer
- ❖ DateofJoiningtheInstitution:10/10/2002
- ❖ QualificationswithClass/Grade: ME(Computer)withfirstclass,PhDPursuing
- ❖ TotalExperienceinYears :Teaching–22
- ❖ Industry-Nil Research-Nil
- ❖ PapersPublished :National-10 International–2
- ❖ PapersPresentedinConference:National-1 International–1
- ❖ Ph.DGuide?GiveField& :Field-NA University- NA
- ❖ PhDs / Projects Guided :PhDs -NA ProjectsatMasterslevel–NA
- Books Published/IPRs/Patents (With Details) :01
- ❖ ProfessionalMembership :CSIandISTE
- ❖ ConsultancyActivities :Nil
- ❖ Awards :Nil
- ❖ GrantsFetched :Nil
- ❖ Interaction with Professional Institutions :Nil



Place:Pune
Date:08February2025

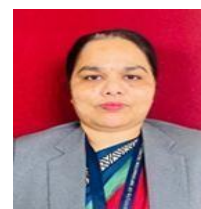
(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

❖ NameoftheTeachingStaff :Ms.GaikwadPrajwalSopan

❖ Designation :AssistantProfessor

❖ Department :ComputerEngineering



❖ DateofJoiningtheInstitution:01/08/2005

❖ QualificationswithClass/Grade:M.E(FIRSTCLASS),PhDPursuing

❖ TotalExperienceinYears :Teaching-21years Industry- Research -

❖ PapersPublished :National-3 International-14

❖ PapersPresentedinConference:National- 1 International-03

❖ Ph.DGuide ? Give Field & University : Field - University - NIL

❖ PhDs/ProjectsGuided :PhDs- ProjectsatMasterslevel-NIL

BooksPublished/IPRs/Patents(WithDetails): Publications "AugmentedandVirtualReality",Tech-knowledge

❖ ProfessionalMembership :CSI,ISTE

❖ ConsultancyActivities :NIL

❖ Awards :NIL

❖ GrantsFetched :NIL

❖ Interaction with Professional Institutions :NIL

Place:Pune

Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ NameoftheTeachingStaff :MrGirishJaysingNavale
 - ❖ Designation :AssistantProfessor
 - ❖ Department :ComputerEngineering
 - ❖ DateofJoiningtheInstitution:01/10/2008
 - ❖ QualificationswithClass/Grade: M.EComputerFirstClass,PhDPursuing
 - ❖ TotalExperienceinYears :Teaching- 16Industry-2 Research -
 - ❖ PapersPublished :National-5 International-2
 - ❖ PapersPresentedinConference:National- International-2
 - ❖ Ph.DGuide?GiveField& :Field- University
 - ❖ PhDs / Projects Guided :PhDs - ProjectsatMasterslevel-
- Books Published/IPRs/Patents (With Details) :
- ❖ ProfessionalMembership :CSI,ISTE
 - ❖ ConsultancyActivities :Social Media
 - ❖ Awards : BestORMCoordinatorofAISSMSInstitute,BestG.F.M2011,
2017, Own Chess Competition 2022.
 - ❖ GrantsFetched :
 - ❖ Interaction with Professional Institutions :



Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ NameoftheTeachingStaff : Mrs.NehaSangramPatil
- ❖ Designation :Asst.Prof
- ❖ Department :ComputerEngineering
- ❖ DateofJoiningtheInstitution:03/09/2007
- ❖ QualificationswithClass/Grade: MEComputerEngg,PhDPursuing
- ❖ TotalExperienceinYears :Teaching- 17 Yrs. Industry- Research -
- ❖ PapersPublished :National-06 International-06
- ❖ PapersPresentedinConference:National-02 International-
- ❖ Ph.D Guide ? Give Field & University : Field - University-
- ❖ PhDs / Projects Guided :PhDs - ProjectsatMasterslevel-



Books Published/IPRs/Patents (With Details) :

- ❖ ProfessionalMembership : ISTE Lifemembership
- ❖ ConsultancyActivities :
- ❖ Awards :
- ❖ GrantsFetched :
- ❖ Interaction with Professional Institutions :

Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

❖ NameoftheTeachingStaff :MrPrashnatShivlingSadaphule

❖ Designation :AssistantProfessor

❖ Department :ComputerEngineering



❖ DateofJoiningtheInstitution:01/10/2008

❖ QualificationswithClass/Grade:MEComputer(IstClass),PhDPursuing

❖ TotalExperienceinYears :Teaching-16Years Industry- Research -

❖ PapersPublished :National-16 International-8

❖ PapersPresentedinConference:National-10 International-06

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

❖ PhDs / Projects Guided :PhDs -Nil ProjectsatMasterslevel-Nil

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

❖ ProfessionalMembership :ISTE,CSI

❖ ConsultancyActivities :Nil

❖ Awards :Nil

❖ GrantsFetched :Nil

❖ Interaction with Professional
Institutions :Nil

Place:Pune

Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Mrs.ArchanaGaneshSaid
 - ❖ Designation :AssistantProfessor
 - ❖ Department :ComputerEngineering
 - ❖ DateofJoiningtheInstitution:31/12/2008
 - ❖ QualificationswithClass/Grade: M.E.Computer,FirstClass,PhDPursuing
 - ❖ TotalExperienceinYears :Teaching-19Yrs Industry- Research -
 - ❖ PapersPublished :National-18 International–(Journal)15(Conf)1
 - ❖ PapersPresentedinConference:National-1 International–2
 - ❖ Ph.D Guide ? Give Field & University : Field - University-
 - ❖ PhDs / Projects Guided :PhDs - ProjectsatMasterslevel–
- Books Published/IPRs/Patents (With Details) :
- ❖ ProfessionalMembership :ISTELifeMembership(LM58742)
 - ❖ ConsultancyActivities :
 - ❖ Awards : BestPaperAwardICACECS-2022
 - ❖ GrantsFetched :
 - ❖ Interaction with Professional Institutions :



Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
 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. Tech in Electronics, First Class With Distinction, PhD Pursuing
- ❖ Total Experience in Years : Teaching-14.5 Years Industry-00 Research-03 Years
- ❖ Papers Published : National- International-06 (Journal)
- ❖ Papers Presented in Conference: National- Nil International-01
- ❖ Ph.D Guide? Give Field & : Field- University -
- ❖ PhDs/Projects Guided : PhDs- Projects at Masters level-
- ❖ Books Published/IPRs/Patents (With Details): Nil
- ❖ Professional Membership : IEEE
- ❖ Consultancy Activities : Nil
- ❖ Awards : Nil
- ❖ Grants Fetched : Nil
- ❖ Interaction with Professional Institutions : Nil



Place: Pune
Date: 08 February 2025

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMS IOIT,

Pune-1

❖ NameoftheTeachingStaff : Dr.AherChetanNimba

❖ Designation : AssistantProfessor

❖ Department : COMPUTER

❖ DateofJoiningtheInstitution: 09/07/2013

❖ QualificationswithClass/Grade: B.E.(ComputerEngg.)Distinction

M.E.(ComputerEngg.)FirstClassPh.D.(ComputerScience&Engineering)

❖ TotalExperienceinYears :Teaching- 11Years Industry-NilResearch-Nil

❖ PapersPublished :National-Nil International-10

❖ PapersPresentedinConference:National-01 International-08

❖ Ph.DGuide?

GiveField&University :Field- Nil University- Nil

❖ PhDs / Projects Guided :PhDs - Nil ProjectsatMasterslevel- Nil

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

❖ ProfessionalMembership :LM-ISTE,IAENG

❖ ConsultancyActivities :WebexConsultancy,SocialMedia

❖ Awards :Nil

❖ GrantsFetched :Nil

❖ InteractionwithProfessionalInstitutions:MKCL,

Place:Pune

Date:08February2025

(AuthorizedSignature)

DrPradeepBMane

Principal,AISSMSIOIT,

Pune-1



- ❖ Name of the Teaching Staff : Dr. Veena Suhas Bhende
 - ❖ Designation : Assistant professor
 - ❖ Department : Department of computer engineering
 - ❖ 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-11 Industry- Research -
 - ❖ Papers Published : National-03 International-
 - ❖ Papers Presented in Conference: National- International-02
 - ❖ Ph.D Guide? 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: 08 February 2025

(Authorized Signature)
Dr Pradeep B Mane
 Principal, AISSMS IOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Dr.Amrapali Shivajirao Chavan
- ❖ Designation :AssistantProfessor
- ❖ Department :ComputerEngineering
- ❖ DateofJoiningtheInstitution:09/06/2017
- ❖ QualificationswithClass/Grade:
1. B.EinComputerEngineering -First Class
 2. M.TechinComputerScienceandEngg. -FirstClasswithdistinction
 3. M.SinCloudComputing- FirstClass
 4. PhDinComputerScienceandEngg.
- ❖ TotalExperienceinYears :Teaching-12 Industry-02 Research - Nil
- ❖ PapersPublished :National-Nil International-07
- ❖ PapersPresentedinConference:National-02 International-06
- ❖ Ph.DGuide?GiveField& :Field- University
- ❖ PhDs/ProjectsGuided :PhDs-
- ❖ ProjectsatMasterslevel- :Nil
- BooksPublished/IPRs/Patents(WithDetails):01[Technology,Innovation,Entrepreneurshipand Start Up, Practice and Principles] Alpha International Publication, ISBN: 978-93-5762-067-3]
- ❖ ProfessionalMembership :ISTE
- ❖ ConsultancyActivities :NIL
- ❖ Awards : CoronaWarriorbyAISSMSSociety
- ❖ GrantsFetched : NIL
- ❖ InteractionwithProfessionalInstitutions :NIL



Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ NameoftheTeachingStaff : Ms.AnuradhaShivajiraoVaral
- ❖ Designation :AssistantProfessor
- ❖ Department :ComputerEngineering
- ❖ DateofJoiningtheInstitution:10/06/2019
- ❖ QualificationswithClass/Grade:MEComputerEngineering(9.18),PhDPursuing
- ❖ TotalExperienceinYears :Teaching– 7Years Industry- Research–1.5
- ❖ PapersPublished :National-0 International–1
- ❖ PapersPresentedinConference:National-5 International–3
- ❖ Ph.DGuide ? Give Field & University : Field - - University - -
- ❖ PhDs/ProjectsGuided :PhDs- - ProjectsatMasterslevel–
- ❖ BooksPublished/IPRs/Patents(WithDetails):NIL
- ❖ ProfessionalMembership :-DecisionScienceInstitute(DSI),ISTE
- ❖ ConsultancyActivities :NIL
- ❖ Awards :BestPaperAward,DIVAAward2022(AaoBeatKare-Sportcategory)
- ❖ GrantsFetched : NIL
- ❖ InteractionwithProfessionalInstitutions :NIL



Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
 Principal,AISSMSIOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Mrs.PoonamSwapnilJadhav
- ❖ Designation : AssistantProfessor
- ❖ Department :ComputerEngineering
- ❖ DateofJoiningtheInstitution:25/06/2018
- ❖ QualificationswithClass/Grade:MEComputerEngineering(8.580FirstClasswithDistinction)
- ❖ TotalExperienceinYears :Teaching– 8 Years Industry- Research -
- ❖ PapersPublished :National- International–8
- ❖ PapersPresentedinConference:National-1 International–
- ❖ Ph.DGuide ? Give Field & University : Field - - University - -
- ❖ PhDs/ProjectsGuided :PhDs- - ProjectsatMasterslevel–
- ❖ BooksPublished/IPRs/Patents(WithDetails):NIL
- ❖ ProfessionalMembership :ISTE
- ❖ ConsultancyActivities :NIL
- ❖ Awards :
- ❖ GrantsFetched :NIL
- ❖ Interaction with Professional Institutions :NIL



Place:Pune
Date:08February2025

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DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

❖ NameoftheTeachingStaff :ShraddhaBhanudasraoToney

❖ Designation :AssistantProfessor

❖ Department:ComputerEngineering

❖ DateofJoiningtheInstitution:18/07/2022



❖ QualificationswithClass/Grade:MEComputerEngineering(FirstclasswithDistinction) PhD
Pursuing in Computer Science and Engineering

❖ TotalExperienceinYears :Teaching-15Yrs Industry-2 Research -

❖ PapersPublished :National-02International-17

❖ PapersPresentedinConference:National-02International-01

❖ Ph.DGuide?GiveField&:Field-University-
University

❖ PhDs/ProjectsGuided :PhDs- ProjectsatMasterslevel-

❖ BooksPublished/IPRs/Patents(WithDetails):NIL

❖ ProfessionalMembership :ISTE

❖ ConsultancyActivities :NIL

❖ Awards :NIL

❖ GrantsFetched :NIL

❖ Interaction with Professional :NIL
Institutions

Place:Pune

Date:08February2025

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DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1


- ❖ NameoftheTeachingStaff :FarhanaKaziSayed
- ❖ Designation :AssistantProfessor
- ❖ Department :ComputerEngineering
- ❖ DateofJoiningtheInstitution:02/01/2024
- ❖ QualificationwithClass/Grade:M.E(Computers)withDistinction
B.E((Computers) with First Class
- ❖ TotalExperienceinYears :Teaching- 2 Yrs Industry-5 Research
- ❖ PapersPublished :National-4
- ❖ Papers Presented in Conference : National - 01 International–01
1
- ❖ Ph.D Guide ? Give Field & : Field - University-
University
- ❖ PhDs / Projects Guided :PhDs - ProjectsatMasterslevel–
Books Published/IPRs/Patents (With Details) :
- ❖ ProfessionalMembership :Nil
Membership,IEEE membership
- ❖ ConsultancyActivities :Nil
- ❖ Awards :1.BestpaperofthesessionatICUBEA2019IEEEInternational
Conference.
- ❖ Interaction with Professional :Nil
Institutions



Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ Name of the Teaching Staff : Dr. Supriya Bhosale
 - ❖ Designation :Assistant Professor
 - ❖ Department : Computer Engineering
 - ❖ Date of Joining the Institution : 19/09/2024
 - ❖ Qualifications with Class/Grade : Ph. D, ME (Computer Engineering)-
First Class
- 
- ❖ Total Experience in Years : Teaching – 14 Industry - 0 Research - 0
 - ❖ Papers Published : National - 02 International – 25
 - ❖ Papers Presented in Conference : National - 02 International – 4
 - ❖ Ph.D Guide: : -
 - ❖ University : -
 - ❖ PhDs / Projects Guided : PhDs - - Projects at Masters level – -
 - Books Published/IPRs/Patents (With Details) : 1 Books
1 Patents
10 Copyright
 - ❖ Professional Membership : IAENG
 - ❖ Consultancy Activities : -
 - ❖ Awards : 01
 - ❖ Grants Fetched : -
 - ❖ Interaction with Professional Institutions : -

Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ Name of the Teaching Staff : Mr. Suhas Bhaskar Deokate
- ❖ Designation :Assistant Professor
- ❖ Department : Computer
- ❖ Date of Joining the Institution : 19/08/2024
- ❖ Qualifications with Class/Grade :Mtech (Computer Science)-
First Class Ph. D pursuing



- ❖ Total Experience in Years : Teaching – 3.10 Industry - 11 Research - 0
- ❖ Papers Published : National - 0 International – 1
- ❖ Papers Presented in Conference : National - 0 International – 0
- ❖ Ph.D Guide ? Give Field : Field - Computer Engineering
- ❖ University - Sandip University Nashik
- ❖ PhDs / Projects Guided : PhDs - 0 Projects at Masters level – 0
- Books Published/IPRs/Patents (With Details) : 1 Books
1 Patents
0 Copyright
- ❖ Professional Membership : NA
- ❖ Consultancy Activities :NA
- ❖ Awards : 00
- ❖ Grants Fetched :NA
- ❖ Interaction with Professional Institutions : NA

Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

❖ Name of the Teaching Staff : Mr. Riyaz Ahmed 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-24 Industry- 5 Research - Nil

❖ Papers Published : National - International –
20 nil 20

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

❖ Ph.D Guide ? Give Field & : Field - University-
University No.

❖ PhDs/ Projects Guided : PhDs - Projects at Masters level –
Books Published/IPRs/Patents (With Details) :

❖ Professional Membership : ISTE

❖ Consultancy Activities : Nil

❖ Awards : Research Ratna Award IJRULA Awards

❖ Grants Fetched : Nil

❖ Interaction with Professional : 1. Delivered C++ training for corporates at Iconnect.
Infotech. 2. Delivered Java training for corporates at Acorn
Institutions

Place: Pune
Date: 08 February 2025

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMS IOIT,

Pune-1

- ❖ Name of the Teaching Staff : Dr. Deeplakshmi Sachin Zingade
- ❖ Designation : Assistant Professor
- ❖ Department : Artificial Intelligence and Data Science
- ❖ Date of Joining the Institution : 01/03/2024
- ❖ Qualifications with Class/Grade : Ph. D, ME (CSE)- First Class, BE (CSE) Distinction
- ❖ Total Experience in Years : Teaching – 20 Industry - Nil Research - Nil
- ❖ Papers Published : National - 01 International – 03
- ❖ Papers Presented in Conference : National - 15 International – 04
- ❖ Ph.D Guide ? Give Field & : Field – Computer Science and Engineering
- ❖ University - Kalinga University
- ❖ PhDs / Projects Guided : PhDs - Nil Projects at Masters level – Nil
- Books Published/IPRs/Patents (With Details) : Nil
- Nil: Patents
- Under Process: Copyright
- Professional Membership : ISTE, CSI
- ❖ Consultancy Activities : NA
- ❖ Awards : 21
- ❖ Grants Fetched : Nil
- ❖ Interaction with Professional : CSI : State Level Coordinator
- ❖ CSI : Student Branch Coordinator



Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Mr.GaneshHariWani
- ❖ Designation :AssistantProfessor
- ❖ Department :ArtificialIntelligence&DataScience
- ❖ DateofJoiningtheInstitution:07/08/2012
- ❖ QualificationswithClass/Grade:ME(E&TC)-FirstClasswithDist.
- ❖ TotalExperienceinYears :Teaching-16 Industry- 06 Research -
- ❖ PapersPublished :National-03 International-2
- ❖ PapersPresentedinConference:National- 02 International-1
- ❖ Ph.DGuide?GiveField& :
- ❖ University - SPPU
- ❖ PhDs/ Projects Guided :PhDs - ProjectsatMasterslevel-Nil



Books Published/IPRs/Patents (With Details) :

- ❖ ProfessionalMembership :ISTE
- ❖ ConsultancyActivities :NA
- ❖ Awards :Nil
- ❖ GrantsFetched :Nil
- ❖ Interaction with Professional :Nil

Institutions

Place:Pune

Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
 Principal,AISSMSIOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Ms.PradnyaD.Bormane
- ❖ Designation :AssistantProfessor
- ❖ Department :ArtificialIntelligence&DataScience
- ❖ DateofJoiningtheInstitution :15/06/2017
- ❖ QualificationswithClass/Grade:Ph.Dpursuing,ME(Computer)-FirstClass
- ❖ TotalExperienceinYears :Teaching– 10 Industry- Nil Research–Nil
- ❖ PapersPublished :National-01 International–02
- ❖ PapersPresentedinConference:National- 02 International–01
- ❖ Ph.DGuide?GiveField& :Nil
- ❖ University - SPPU
- ❖ PhDs/ProjectsGuided :PhDs-Nil ProjectsatMasterslevel–Nil



BooksPublished/IPRs/Patents(WithDetails):1Patent

- ❖ ProfessionalMembership :IEEE,IEI
- ❖ ConsultancyActivities :NA
- ❖ Awards :00
- ❖ GrantsFetched :Nil
- ❖ Interaction with Professional :Nil

Institutions

Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Mrs.SayaliA.Belhe
- ❖ Designation :AssistantProfessor
- ❖ Department :ArtificialIntelligenceandDataScience
- ❖ DateofJoiningtheInstitution :17/07/2022
- ❖ QualificationswithClass/Grade:Ph.D(pursuing),ME(IT)-FirstClass
- ❖ TotalExperienceinYears :Teaching-7.2Yrs Industry-02Yrs
- ❖ PapersPublished :National-00 International-01
- ❖ PapersPresentedinConference:National- 01 International-00
- ❖ Ph.DGuide,GiveField& :Field-ComputerEngineering.
- ❖ University - ADYPU
- ❖ PhDs/ Projects Guided :PhDs -0 ProjectsatMasterslevel-00 Books
Published/IPRs/Patents (With Details):05 Books,1 Patent
- ❖ ProfessionalMembership :IEEE,ISTE
- ❖ ConsultancyActivities :NA
- ❖ Awards :00
- ❖ GrantsFetched :NA
- ❖ InteractionwithProfessional :BoS Member.



Institutions

Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Ms.SwatiD.Kadu
- ❖ Designation :AssistantProfessor
- ❖ Department :ArtificialIntelligenceandDataScience
- ❖ DateofJoiningtheInstitution :17/07/2022
- ❖ QualificationswithClass/Grade :Ph.D(Pursuing)ME(IT)-FirstClass
- ❖ TotalExperienceinYears :Teaching-09Industry-01
- ❖ PapersPublished :National-00 International-03
- ❖ PapersPresentedinConference:National- 02 International-00
- ❖ Ph.DGuide:NA:Field-Computer Engineering
- ❖ University - MITWPU
- ❖ PhDs/ProjectsGuided :PhDs-NA ProjectsatMasterslevel-NA
- ❖ BooksPublished/IPRs/Patents(WithDetails):05Books,1Patents
- ❖ ProfessionalMembership :ISTE.
- ❖ ConsultancyActivities :NA
- ❖ Awards :NA
- ❖ GrantsFetched :NA
- ❖ Interaction with Professional :NA
Institutions

Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
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-04 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
- ❖ Ph.Ds/Projects Guided : Ph.Ds- Projects at Masters level-
- Books Published/IPRs/Patents (With Details):
- ❖ Professional Membership : ISTE
- ❖ Consultancy Activities : NA
- ❖ Awards : 00
- ❖ Grants Fetched : NA
- ❖ Interaction with Professional : BoS Member.

Place: Pune
Date: 08 February 2025

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMS IOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Ms.BhagyashreeD.Lambture
- ❖ Designation :AssistantProfessor
- ❖ Department :ArtificialIntelligenceandDataScience
- ❖ DateofJoiningtheInstitution :17/07/2022
- ❖ QualificationswithClass/Grade:Ph.D(pursuing),ME(Comp.Engg)-FirstClass
- ❖ TotalExperienceinYears :Teaching-08Yrs Industry-00Yrs
- ❖ PapersPublished :National-02 International-04
- ❖ PapersPresentedinConference:National- 00 International-00
- ❖ Ph.DGuide,GiveField& :Field-ComputerEngineering.
- ❖ University - ADYPU
- ❖ PhDs/ProjectsGuided :PhDs-0ProjectsatMasterslevel-00



BooksPublished/IPRs/Patents(WithDetails):01Books,1Patent

- ❖ ProfessionalMembership :IEEE,ISTE
- ❖ ConsultancyActivities :NA
- ❖ Awards :Nill
- ❖ GrantsFetched :NA
- ❖ Interaction with Professional :NA

Institutions

Place:Pune
Date:08February2025

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DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Mr.S.D. Kale
- ❖ Designation :AssistantProfessor
- ❖ Department :ArtificialIntelligenceandDataScience
- ❖ DateofJoiningtheInstitution :06/03/2023
- ❖ QualificationswithClass/Grade :ME(Softwareengineering)-FirstClass
- ❖ TotalExperienceinYears :Teaching-09Industry-07
- ❖ PapersPublished :National-00 International-01
- ❖ PapersPresentedinConference:National- 00 International-00
- ❖ Ph.DGuide:NA:Field-NA
- ❖ University - NA
- ❖ PhDs/ProjectsGuided :PhDs-NA ProjectsatMasterslevel-NA
- ❖ BooksPublished/IPRs/Patents(WithDetails):00
- ❖ ProfessionalMembership :NA.
- ❖ ConsultancyActivities :NA
- ❖ Awards :NA
- ❖ GrantsFetched :NA
- ❖ InteractionwithProfessional
 - Institutions :NA



Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
 Principal,AISSMSIOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Ms.R.N.Malage
 - ❖ Designation :AssistantProfessor
 - ❖ Department :AI&DS
 - ❖ DateofJoiningtheInstitution:10/7/2023
 - ❖ QualificationswithClass/Grade:M.Tech.(CSE)
 - ❖ TotalExperienceinYears :Teaching-2 .5
 - ❖ PapersPublished :National-00 International-00
 - ❖ PapersPresentedinConference:National-00 International-01
 - ❖ Ph.D Guide? Give Fiel & : Field -Nil University - Nil
- University
- ❖ PhDs/ProjectsGuided :PhDs-Nil ProjectsatMasterslevel-00
 - ❖ BooksPublished/IPRs/Patents:Nil
 - ❖ ProfessionalMembership :Nil
 - ❖ ConsultancyActivities :Nil
 - ❖ Awards :Nil
 - ❖ GrantsFetched :Nil
 - ❖ Interaction with Professional :Nil
- Institutions



Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
 Principal,AISSMSIOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Mrs.SnehalAkshayBagal
- ❖ Designation :AssistantProfessor
- ❖ Department :ArtificialintelligenceandDataScience
- ❖ DateofJoiningtheInstitution:10/10/2023
- ❖ QualificationswithClass/Grade:ME(ComputerEngg.)-FirstClass
- ❖ TotalExperienceinYears :Teaching-04
- ❖ PapersPublished :National-01 International-00
- ❖ PapersPresentedinConference:National- 00 International-00
- ❖ Ph.DGuide?GiveField& :NA
- ❖ University -
- ❖ PhDs/ Projects Guided :PhDs -NA ProjectsatMasterslevel-NA
- Books Published/IPRs/Patents (With Details) :NA
- ❖ ProfessionalMembership :NA
- ❖ ConsultancyActivities :NA
- ❖ Awards :05
- ❖ GrantsFetched :NA
- ❖ InteractionwithProfessional :NA
- Institutions



Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
 Principal,AISSMSIOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Dr.ShaguftaMd.S.Sheikh
- ❖ Designation :AssistantProfessor
- ❖ Department :ArtificialIntelligence&dataScience
- ❖ DateofJoiningtheInstitution:30/10/2023
- ❖ QualificationswithClass/Grade:Ph.D,ME(COMPUTER)-FirstClassWithDistinction
- ❖ TotalExperienceinYears :Industry-03
- ❖ PapersPublished :National-0International-04
- ❖ PapersPresentedinConference:National-0International- 03
- ❖ Ph.DGuide?GiveField& :Field-
- ❖ University -
- ❖ PhDs/ProjectsGuided :00 ProjectsatMasterslevel-00
- ❖ BooksPublished/IPRs/Patents(WithDetails):00
- ❖ ProfessionalMembership :
- ❖ ConsultancyActivities :NA
- ❖ Awards : NA
- ❖ GrantsFetched :NA
- ❖ InteractionwithProfessional :



Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Ms.MadhuriB.Thorat
- ❖ Designation :AssistantProfessor
- ❖ Department :ArtificialIntelligenceandDataScience
- ❖ DateofJoiningtheInstitution :17/01/2024
- ❖ QualificationswithClass/Grade:Ph.D(pursuing),ME(ComputerEngineering)-
Distinction with First Class
- ❖ TotalExperienceinYears :Teaching–6.3Yrs Industry-00Yrs
- ❖ PapersPublished :National-00 International–10
- ❖ PapersPresentedinConference:National- 02 International–03
- ❖ Ph.DGuide,GiveField& :Field-ComputerEngineering.
- ❖ University-SPPU
- ❖ PhDs/ProjectsGuided :PhDs-0ProjectsatMasterslevel–NA
- BooksPublished/IPRs/Patents(WithDetails):1Books,1Patent
- ❖ ProfessionalMembership :ISTE
- ❖ ConsultancyActivities 0
- ❖ Awards :00
- ❖ GrantsFetched 0
- ❖ Interaction with Professional :NA



Institutions

Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ Name of the Teaching Staff :Mrs.Aparna Amar Veer.
- ❖ Designation :Assistant Professor
- ❖ Department :Artificial Intelligence and Data Science.
- ❖ Date of Joining the Institution :23/12/2024
- ❖ Qualifications with Class/Grade : ME (Computer)- First Class
- ❖ Total Experience in Years : Teaching –5 Industry - 02 Research - NA
- ❖ Papers Published : National - 02 International – NA
- ❖ Papers Presented in Conference : National - 01 International – NA
- ❖ Ph.D Guide ? Give Field & : Field - NA
- ❖ University - SPPU
- ❖ PhDs / Projects Guided : PhDs - NA Projects at Masters level – 01
Books Published/IPRs/Patents (With Details) : 1 Copyright
- ❖ Professional Membership : NA
- ❖ Consultancy Activities :NA
- ❖ Awards :NA
- ❖ Grants Fetched : NA



Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ Name of the Teaching Staff :Mrs. K. V. Thore
- ❖ Designation :Assistant Professor
- ❖ Department : Artificial Intelligence And Data Science
- ❖ Date of Joining the Institution : 20/08/2024
- ❖ Qualifications with Class/Grade : ME (Computer)- First Class
- ❖ Total Experience in Years : Teaching –1 Industry - 00 Research - 00
- ❖ Papers Published : National - 0 International – 2
- ❖ Papers Presented in Conference : National - 1 International – 0
- ❖ Ph.D Guide ? Give Field & : NA
- ❖ University -
- ❖ PhDs / Projects Guided : NA
Books Published/IPRs/Patents (With Details) :0 Books
0 Patents
0 Copyright
- ❖ Professional Membership :
- ❖ Consultancy Activities :
- ❖ Awards :
- ❖ Grants Fetched :
- ❖ Interaction with Professional Institutions :



Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ Name of the Teaching Staff :Mrs. Naziya Ashpak Inamdar
- ❖ Designation :Assistant Professor
- ❖ Department :Artificial Intelligence and Data Science
- ❖ Date of Joining the Institution :07/03/1987
- ❖ Qualifications with Class/Grade : ME (Computer)- First Class with Dist
- ❖ Total Experience in Years : Teaching -2.5 Industry - 03 Research -00
- ❖ Papers Published : National - 03 International – NA
- ❖ Papers Presented in Conference :National - NA International – NA
- ❖ Ph.D Guide ? Give Field & : 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 :NA
- ❖ Grants Fetched : NA
- ❖ Interaction with Professional :NA

Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1



- ❖ Name of the Teaching Staff: Ms. Rakhi S. Meshram
- ❖ Designation: Assistant Professor
- ❖ Department: Artificial Intelligence & Data Science
- ❖ Date of Joining the Institution: 23/12/2024
- ❖ Qualifications with Class/Grade: ME (Computer Engineering)- First Class with distinction
- ❖ Total Experience in Years: Teaching -3 Years 4 Months Industry - 02
- ❖ Papers Published: National -02 International – 00
- ❖ Papers Presented in Conference: National - 01 International – 00
- ❖ Ph.D Guide ? Give Field & : NA
- ❖ University - SPPU
- ❖ PhDs / Projects Guided : NA
- ❖ Books Published/IPRs/Patents (With Details) : 1 Copyright
- ❖ Professional Membership : NA
- ❖ Consultancy Activities : NA
- ❖ Awards : NA
- ❖ Grants Fetched: NA

Place: Pune
Date: 08 February 2025

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMS IOIT,

Pune-1

❖ Name of Teaching Staff : Snehal Chandrakant Rathod



❖ Designation : Assistant Professor

❖ Department : Artificial Intelligence &
Data Science

❖ Date of Joining the Institution : 02/09/2024

❖ Qualifications with Class/Grade : M.E.(Computer
Engineering) –Distinction

❖ Total Experience in Years : Teaching – 04

❖ Papers Published : International – 01

❖ Papers Presented in Conference : National - 03
International – 01

❖ Ph.D Guide ? Give Field &: NA

❖ University : NA

❖ PhDs / Projects Guided :NA

❖ Professional Membership : NA

❖ Consultancy Activities :NA

❖ Awards :NA

❖ Grants Fetched :NA

❖ Interaction with Professional Institutions : NA

Place:Pune

Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ Name of the Teaching Staff : Ms. Tejaswi Ganesh Mangave
- ❖ Designation :Assistant Professor
- ❖ Department : Computer Engineering
- ❖ Date of Joining the Institution : 19/08/2024
- ❖ Qualifications with Class/Grade : Ph. D. Pursing, ME (Computer Engineering)-Distiction
- ❖ Total Experience in Years : Teaching - 5 Industry - Nil Research – Nil
- ❖ Papers Published : National - Nil International –Nil
- ❖ Papers Presented in Conference : National - 01 International – 02
- ❖ 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
- ❖ 2 Patents
- ❖ 0 Copyright
- ❖ Professional Membership : ISTE, IANG, AMIE
- ❖ Consultancy Activities :NA
- ❖ Awards : Nil
- ❖ Grants Fetched Nil :
- ❖ Interaction with Professional : Project Guide for AMIE Students
- Institutions



Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
 Principal,AISSMSIOIT,

Pune-1

❖ 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)

❖ Total Experience in Years : Teaching – 18 yrs 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 Programming**” 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 Programming**” published by “Nirali Publication” in June 2019. ISBN 978-93-89108-11-8.
11. Author of book titled as “**Open Source Operating System and Scripting Language**” 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.

Place: Pune

Date: 08 February 2025

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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
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 titled 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.

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 Wireless Communications (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: 08 February 2025

(Authorized Signature)
Dr Pradeep B Mane
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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, Kerala 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 17/09/2019
12. Organizing Committee Member for ICRDTIET 2020, GW CET, 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, AISSMS IOIT, 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. Patil Polytechnic, 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: 08 February 2025

(Authorized Signature)
Dr Pradeep B Mane
 Principal, AISSMS IOIT,

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-21 Industry- Research -

❖ Papers Published : National - International -35

❖ Papers Presented in Conference : National -14 International -20

❖ Ph.D Guide ? 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 Patil A
02	IT INFRASTRUCTURE AND ITS MANAGEMENT	978-81-8492-541-8	Mr. Pritesh Patil A
03	DATA COMMUNICATION	978-81-8492-775-7	Mr. Pritesh Patil A
04	FUNDAMENTALS OF DIGITAL COMPUTING	978-81-8492-387-2	Mr. Pritesh Patil A

❖ 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: 08 February 2025

(Authorized Signature)
Dr. Pradeep B. Mane
Principal, AISSMS IOIT,

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 IT Preneurdata System Pvt. Ltd.

Date: 08 February 2025

Dr Pradeep B Mane
Principal, AISSMS IOIT,

Pune-1

❖ 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-15 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 -
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. Sales for ceconsultant
3. Flying High
4. C-DAC, Pune

Date: 08 February 2025

Dr Pradeep B Mane
Principal, AISSMS IOIT,

Pune-1

- ❖ NameoftheTeachingStaff :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
- ❖ TotalExperienceinYears :Teaching-19.5Yrs Industry-NilResearch - 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 ProjectsatMasterslevel–Nil
- Books Published/IPRs/Patents (With Details) : Nil
- ❖ ProfessionalMembership :01 (ISTE)
- ❖ Consultancy Activities : Nil
- ❖ Awards :Nil
- ❖ Grants Fetched : Nil
- ❖ Interaction with Professional Institutions :Nil



Date:08February2025

DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

❖ NameoftheTeachingStaff :Ms. Jayashree C. Pasalkar

Place:Pune



(AuthorizedSignature)

Date:08February2025

DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

(MandatoryDisclosure2024-2025)

Page**80**of**335**

- ❖ 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)
- ❖ TotalExperienceinYears :Teaching–15 Years Industry- Research -
- ❖ Papers Published :National - International –07
- ❖ Papers Presented in Conference : National -04 International – 01
- ❖ Ph.D Guide ? Give Field & University : Field - University-
- ❖ PhDs / Projects Guided :PhDs - Projects at Masters level –
- ❖ BooksPublished/IPRs/Patents(WithDetails):
- ❖ ProfessionalMembership :1. Indian society for technical education (ISTE)
2. International Association of Engineers (IAENG)
3. ComputerScienceTeachersAssociation(CSTA)
- ❖ Consultancy Activities : NIL
- ❖ Awards : NIL
- ❖ Grants Fetched : NIL
- ❖ Interaction with Professional Institutions :

Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
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 – 16.5 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: 08 February 2025

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMS IOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Mr.PrashantB.Wakhare
- ❖ Designation :Assistant Professor
- ❖ Department :Information Technology
- ❖ Date of Joining the Institution: 15/06/2015
- ❖ QualificationswithClass/Grade:BE-IT(Distinction),ME-ComputerEngineering(Distinction) and PhD (Pursuing)
- ❖ TotalExperienceinYears :Teaching–12 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 ProjectsatMasterslevel–NA
Books Published/IPRs/Patents (With Details) :NA
- ❖ ProfessionalMembership :IEEE
- ❖ Consultancy Activities :NA
- ❖ Awards :BestInternationalPaperAward2020
- ❖ Grants Fetched :NA
- ❖ Interaction with Professional Institutions :NA



Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Dr.MrunalK. 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)
- ❖ TotalExperienceinYears :Teaching-14.5years Industry-1 yearResearch -Nil
- ❖ Papers Published :National - 00 International –21
- ❖ Papers Presented in Conference : National - 05 International – 06
- ❖ Ph.D Guide ? Give Field & : Field - NA University - NA
University
- ❖ PhDs/ Projects Guided :PhDs - ProjectsatMasterslevel–NA
Books Published/IPRs/Patents (With Details) :
- ❖ ProfessionalMembership :Indian society for technical education (ISTE)
- ❖ Consultancy Activities : NA
- ❖ Awards :NA
- ❖ Grants Fetched :NA
- ❖ Interaction with Professional : NA
Institutions



Place:Pune
Date:08February2025

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DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Mr.VikasJanardanDesai
- ❖ Designation :AssistantProfessor
- ❖ Department :ElectronicsandTelecommunication
- ❖ DateofJoiningtheInstitution :29July2011



❖ QualificationswithClass/Grade:M-Tech(Distinction),PhDPursuing.

❖ Total Experience in Years :Teaching – 12.5years Industry-4Months
Research – 2 year

❖ PapersPublished :National- International–6

❖ PapersPresentedinConference:National- International–

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

❖ PhDs / Projects Guided :PhDs - ProjectsatMasterslevel–

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

1. MicroprocessorandInterfacingTechniques(SuccessPublication)

❖ ProfessionalMembership :ISTEMember(LM94292)

❖ ConsultancyActivities :

❖ Awards :
• Goldin45th,46th,47thSeniorStateJudoCompetitioninAcademicyear2017-18

❖ GrantsFetched :

❖ Interaction with Professional Institutions :

Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Ms.SupriyaKumar More
- ❖ Designation :Assistantprofessor
- ❖ Department :InformationTechnology
- ❖ DateofJoiningtheInstitution:18/07/2022
- ❖ QualificationswithClass/Grade:M.Tech(CS)Distinction
- ❖ TotalExperienceinYears :Teaching-9.6Industry- Research -
- ❖ PapersPublished :National- International-10
- ❖ PapersPresentedinConference:National- International-
- ❖ Ph.DGuide?GiveField& :Field-
- ❖ University -PhDs/ Projects Guided :PhDs - ProjectsatMasterslevel Books



Published/IPRs/Patents (With Details) :

1Patents

1Copyright

- ❖ ProfessionalMembership :ISTE
- ❖ ConsultancyActivities :NA
- ❖ Awards : -
- ❖ GrantsFetched :-

InteractionwithProfessional :-

Place:Pune
Date:08February2025

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DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Ms.PunashriM Patil
- ❖ Designation :AssistantProfessor
- ❖ Department :InformationTechnology
- ❖ DateofJoiningtheInstitution:18/07/2022
- ❖ QualificationswithClass/Grade:M.Tech(CS)-FirstClasswithdistinction
- ❖ TotalExperienceinYears :13
- ❖ PapersPublished :National- International-7
- ❖ PapersPresentedinConference:National-2 International-3
- ❖ Ph.DGuide?GiveField& :
- ❖ University -
- ❖ PhDs/ProjectsGuided :
- BooksPublished/IPRs/Patents(WithDetails): 3
- Patents
- 1Copyright
- ❖ ProfessionalMembership :ISTE
- ❖ ConsultancyActivities :NA
- ❖ Awards :
- ❖ GrantsFetched :
- ❖ InteractionwithProfessional :



Place:Pune
Date:08February2025

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DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Dr. VinayakKachardasBairagi
- ❖ Designation :Professor
- ❖ Department :ElectronicsandTelecommunication
- ❖ DateofJoiningtheInstitution:11-June-2013
- ❖ QualificationswithClass/Grade:PhD,ME(1stClass),BE(1stClass)
- ❖ TotalExperienceinYears :Teaching-17 Industry-Nil Research-10
- ❖ PapersPublished :56(26injournal)National- International-
- ❖ PapersPresentedinConference:National-8 International-18
- ❖ Ph.DGuide?GiveField&University :Yes,
Field-E&TC(SignalProcessing),University- SPPune University.
- ❖ PhDs/ProjectsGuided :PhDs-3 ProjectsatMasterslevel-12
- ❖ BooksPublished/IPRs/Patents(WithDetails):4



	TitleoftheBook	Nameofthe Publisher	Publicationdetails
1	Research Methodology: A PracticalandScientificApproach	CRCPress	AnEditedbookonResearch Methodology 9781351013260
2	EEG-BasedDiagnosisof Alzheimer Disease	Elsevier AcademicPress	AbookonAlzheimerdisease 978-0-12-815392-5
3	DigitalSignalProcessing	Technical Publication	AuniversitylevelbookonDSP 978-9333215770
4	Brain Seizure Detection and ClassificationUsingEEGSignals	Elsevier AcademicPress	eBookISBN:9780323911214

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

- ❖ ProfessionalMembership :

Sr.No.	NameofSociety	Membership
1	IEEE(InstituteofElectricalandElectronicsEngineers)	SPS-PC-202 2
2	IETE(TheInstitutionofElectronicsandTelecommunicationEngineers)	LifeMember
3	ISTE(IndianSocietyofTechnicalEducation)	LifeMember
4	IEI(InstitutionofEngineersIndia)	LifeMember
5	BME(BiomedicalSocietyofIndia)	LifeMember

Place:Pune
Date:08February2025

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DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ ConsultancyActivities :1
- ❖ Awards :4
 1. SPPU BestInnovativeTeacherAward2020-21
 2. TheInstitutionofElectronicsandTelecommunicationEngineers(IETE)–MNSAHA Memorial Award-2018
 3. IndianSocietyforTechnicalEducation(ISTE)-SGSITSYoungResearcherAwardwinner 2015.
 4. InstituteofEngineersIndia(IEI)YoungEngineerAwardwinner2014.
- ❖ GrantsFetched : FourresearchGants(SPPuneUniversity,BHU,GYTI)
- ❖ Interaction with Professional :Yes
Institutions

Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ NameoftheTeachingStaff :DrMohiniPramodSardey
 - ❖ Designation :AssociateProfessor
 - ❖ Department :E&TC
 - ❖ DateofJoiningtheInstitution:24/7/1995
 - ❖ QualificationswithClass/Grade:BE–1stClass,MTech–CGPA7.62,PhD
 - ❖ TotalExperienceinYears :Teaching-30 Industry-NA Research-09
 - ❖ PapersPublished :National-05 International–27
 - ❖ PapersPresentedinConference:National-05 International–05
 - ❖ Ph.DGuide ? Give Field & University : Field - NA University - NA
 - ❖ PhDs / Projects Guided :PhDs - NA ProjectsatMasterslevel–01
- Books Published/IPRs/Patents (With Details) :NIL
- ❖ ProfessionalMembership :IETE,ISTE
 - ❖ ConsultancyActivities :NIL
 - ❖ Awards :NIL
 - ❖ GrantsFetched :NIL
 - ❖ InteractionwithProfessional Institutions :CoordinatorofProfessionalBodyatcollege
ActivelyinvolvedinStudentschapteractivities
(ISF- IETE Students Forum) and Staff activities. Worked as
ExecutiveCouncilMemberofIETEforlast3years.

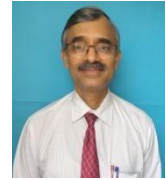


Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ 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-37 Industry-00 Research-00
 - ❖ Papers Published : National-00 International-00
 - ❖ Papers Presented in Conference: National- 01 International-00
 - ❖ Ph.D Guide? Give Field & : Nil
 - ❖ Ph.Ds / Projects Guided : 00 Projects at Masters level-01
- Books Published/IPRs/Patents (With Details) : 00
- ❖ Professional Membership : ISTE
 - ❖ Consultancy Activities : NA
 - ❖ Awards : 00
 - ❖ Interaction with Professional Institutions : NA



Place: Pune
Date: 08 February 2025

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMS IOIT,

Pune-1

- ❖ NameoftheTeachingStaff:Dr.MousamiSandeepVanjale
 - ❖ Designation :AssistantProfessor
 - ❖ Department :E&TCEngineering
 - ❖ DateofJoiningtheInstitution:01/02/2005
 - ❖ QualificationswithClass/Grade:Ph.D.,M.Tech.(ElectronicsEngg.)withDistinction
 - ❖ TotalExperienceinYears :Teaching-22 Industry-01 Research-08
 - ❖ PapersPublished :National- International–30
 - ❖ PapersPresentedinConference:National- 4 International–11
 - ❖ Ph.DGuide ? Give Field & University : Field - University-
 - ❖ PhDs/ProjectsGuided :PhDs- Nil ProjectsatMasterslevel–5
- BooksPublished/IPRs/Patents(WithDetails):1Patentpublished(applicationno.202021003501)
- ❖ ProfessionalMembership :IETE,ISTE
 - ❖ Consultancy Activities :OfferedconsultancyonNBAandNAACto20+ Colleges in and around Pune
 - ❖ Awards :AISSMSDIVA2020Award
 - ❖ Grants Fetched :1.Receivedgrantoff£3000fromUKIERI(British Council) tovisit Staffordshire University, United Kingdomunderstaffexchangeprogram
2.ReceivedresearchgrantofRs.1.8LakhfromBCUD, SPPU
 - ❖ Interaction with Professional Institutions :Yes



Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Dr.RakeshBapuDhumale
- ❖ Designation :AssociateProfessor
- ❖ Department :AI&DS
- Date of Joining the Institution:21/9/2020
- ❖ QualificationswithClass/Grade:BE,MEElectronics,Ph.DPhilosophy
- ❖ TotalExperienceinYears :Teaching-17 Industry-Nil Research-Nil
- ❖ PapersPublished :National-03 International- 50
- ❖ PapersPresentedinConference:National-02International-10
- ❖ Ph.D Guide ? Give Field & University : Field -Nil University - Nil
- ❖ PhDs/ProjectsGuided :PhDs-Nil ProjectsatMasterslevel-01
- ❖ BooksPublished/IPRs/Patents:03
- ❖ ProfessionalMembership :NA
- ❖ ConsultancyActivities :01
- ❖ Awards :NA.
- ❖ GrantsFetched :4,20,000/-
- ❖ Interaction with Professional Institutions :NA



Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ Name of the Teaching Staff : Mr. Venkat Namdev Ghodke
- ❖ 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-24 Industry- Research-5
- ❖ Papers Published : National-0 International–30
- ❖ Papers Presented in Conference: National-3 International–6
- ❖ Ph.D Guide: NA
- ❖ Give Field & University : NA
- ❖ PhDs/Projects Guided : PhDs- Projects at Masters level–
- ❖ Books Published/IPRs/Patents (With Details): 11 Books Published
- ❖ Professional Membership : Life Member IETE, ISTE, IEEE
- ❖ Consultancy Activities :
- ❖ Awards : 1) Excellent coordination of state level Olympiad in project management
2) Best Teacher Award By Lokmangal Bank Solapur
- ❖ Grants Fetched : Yes (BCUD, SPPU research grant, “Diagnosis for Alzheimer disease”. (Rs 1.6 lakh- 2016-18)
- ❖ Interaction with Professional Institutions : Yes



Place: Pune
Date: 08 February 2025

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMS IOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Mr.MilindPralhadGajare
- ❖ Designation :AssistantProfessor
- ❖ Department :E&TCEngineering
- ❖ DateofJoiningtheInstitution:01/10/2008
- ❖ QualificationswithClass/Grade:Ph.DPursuing,ME(E&TC),Distinction
- ❖ TotalExperienceinYears :Teaching-17 Industry-02 Research-03
- ❖ PapersPublished :National-00 International-20
- ❖ PapersPresentedinConference:National-0 International-03
- ❖ Ph.DGuide ? Give Field & University : Field - Nil University-Nil
- ❖ PhDs/ProjectsGuided :PhDs-Nil ProjectsatMasterslevel-00



BooksPublished/IPRs/Patents(WithDetails):Book-02IntegratedCircuitsforSE(E&TC),Pune University,TechnicalPublications

- ❖ ProfessionalMembership :IETE,ISTE
- ❖ ConsultancyActivities :Nil
- ❖ Awards :Nil
- ❖ GrantsFetched :Nil
- ❖ Interaction with Professional Institutions :Nil

Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
 Principal,AISSMSIOIT,

Pune-1

- ❖ Name of the Teaching Staff : Mr. Devendra Anant Itole
- ❖ Designation : Assistant Professor
- ❖ Department : E&TC Engineering
- ❖ Date of Joining the Institution: 4th Nov 2008
- ❖ Qualifications with Class/Grade: Ph.D. Pursuing, MEE&TC (Microwave) with 1st class
- ❖ Total Experience in Years : Teaching-16 Industry- Research -
- ❖ Papers Published : National- International-16
- ❖ Papers Presented in Conference: National-1 International-2
- ❖ Ph.D Guide ? Give Field & : Field -NIL University - NIL
University
- ❖ 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 :NIL
Institutions



Place: Pune
Date: 08 February 2025

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMS IOIT,

Pune-1

- ❖ Name of the Teaching Staff : Dr. Shobha Sachin Nikam
- ❖ Designation : Assistant Professor
- ❖ Department : Electronics & Telecommunications
- ❖ Date of Joining the Institution: 29/12/09
- ❖ Qualifications with Class/Grade: BE(E&TC)-66.33%-1st Class with distinction
ME(E&TC)-7.42-1st Class
PhD(E&TC)
- ❖ Total Experience in Years : Teaching-16.5 Years Industry- Nil Research-1.6 Years
- ❖ Papers Published : National- Nil International-18
- ❖ Papers Presented in Conference: National-1 International-5
- ❖ Ph.D Guide ? Give Field & University : No Field - 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 research 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 MPT A education Ltd.
3. ISRO-IIRS institute level nodal coordinator for outreach program.



Place: Pune
Date: 08 February 2025

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMS IOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Mrs.MamtaSanjayKoban
- ❖ Designation :AssistantProfessor
- ❖ Department :ElectronicandTelecommunication



❖ DateofJoiningtheInstitution:28thDec2009

❖ QualificationswithClass/Grade:ME(E&TC)FirstClass

PhD(Pursuing)

❖ TotalExperienceinYears :Teaching-14yrsIndustry-9yrsResearch- Nil

❖ PapersPublished :National- International–23

❖ PapersPresentedinConference:National-03 International–03

❖ Ph.DGuide ? Give Field & University : Field - NA University-

❖ PhDs / Projects Guided :PhDs - NA ProjectsatMasterslevel–NA

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

❖ ProfessionalMembership :ISTE

❖ ConsultancyActivities :Nil

❖ Awards : BharathEducationExcellenceAwards2021
UtthamaAadhyapikaaward

❖ GrantsFetched : Nil

❖ Interaction with Professional :1.SignedMOUwithLogicPower,Pune,BrainovisionPvt.Ltd.,
Hydrabad and Electronics Study Centre, Nashik

2.OrganizednationalandinternationallevelFDPs,workshops,Webinarsandseminarsforstudentsandstaffs

Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ NameoftheTeachingStaff :MrsVarshaKiranPatil
- ❖ Designation :AssistantProfessor
- ❖ Department :ElectronicsandTelecommunicationEngineering
- ❖ DateofJoiningtheInstitution:1.1.2010
- ❖ QualificationswithClass/Grade:M.TechElectronics(Firstclass)
PhdPursuing
- ❖ TotalExperienceinYears :Teaching-22Industry- 1Research- 1
- ❖ PapersPublished :National- - International-24
- ❖ PapersPresentedinConference:National-2 International-2
- ❖ Ph.DGuide ? Give Field &: Field - NA University - NA
University
PhDs/ProjectsGuided :PhDs- NA ProjectsatMasterslevel-NA
- BooksPublished/IPRs/Patents(WithDetails):BooksPublished05
- ❖ ProfessionalMembership :ISTE ,IETE
- ❖ Consultancy Activities :Completion and Successful implementation of technical project entitled,“RFIDBasedInteractiveMapofMaharashtra“for“ForestDepartment,Junnar,Dist.-Pune
- ❖ Award : **BestpaperawardinthefourthIEEEPuneCon2021**organizedbyIEEEPune. TIP
Honor of Excellence: **Inspiring Educators Award2021**
TexasInstrumentsawardforFOSTERINGGecosystembridgingindustryGovtAcademia
- ❖ **GrantsFetched:1**ReceivedResearchGrantofRs.2.00Lakhsforthe
Research project entitled, “*Efficient Hardware Implementations of High Speed Digital Communication Schemes,*”,fromBCUD,UniversityofPune,India ☑ (FileNo::OSD/BCUD/230/9,Dated 14/05/2012)
2.ReceivedResearchGrantofRs.2.00LakhsfromSPPUPuneasCoordinatorforproposalsubmittedas
aCoordinator for a proposal submitted“ *Hands On Training Using Open sourceSoftWaresforImage Processing and Building Embedded Systems*”3. Received Research Grant of Rs. 2.00 Lakhs from SPPU Puneas a Coordinator for proposal submitted on “*HandsOn Training Using Opensource Soft Wares for Image Processing and Building Embedded Systems*”
- ❖ InteractionwithProfessional:1.SignedMOUwithBSNLandTexasInstrumentsInnovationLab.
2.ArrangedProjectexhibitions,workshops,Webinarsforstudentsandstaffs



Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1



- ❖ Name of the Teaching Staff : Mr. Pokharkar Sagar Babanrao
- ❖ Designation : Assistant Professor
- ❖ Department : E&TC
- ❖ Date of Joining the Institution: 27/07/2009
- ❖ Qualifications with Class/Grade: ME (E&TC Microwave) with Distinction
- ❖ Total Experience in Years : Teaching-17 Industry- Research -
- ❖ Papers Published : National- International-08
- ❖ Papers Presented in Conference: National- 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 : IETE, ISTE
- ❖ Consultancy Activities :
- ❖ Awards :
- ❖ Grants Fetched :
- ❖ Interaction with Professional :

Place: Pune
Date: 08 February 2025

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMS IOIT,

Pune-1

❖ NameoftheTeachingStaff : Mr.SachinRatnakarKokane



❖ Designation :Asst. Professor

❖ Department :E&TC

❖ DateofJoiningtheInstitution:12/10/2010

❖ QualificationswithClass/Grade:M.Tech

PhDPursuing

❖ TotalExperienceinYears :Teaching-14 Industry-Null Research-3

❖ PapersPublished :National-3 International-5

❖ PapersPresentedinConference:National-Null International-Null

❖ Ph.DGuide ? Give Field & : Field -Null University - Null

University

❖ PhDs/ProjectsGuided :PhDs- Null ProjectsatMasterslevel-Null

BooksPublished/IPRs/Patents(WithDetails):Null

❖ ProfessionalMembership :ISTE,IEEE

❖ ConsultancyActivities : Null

❖ Awards :Null

❖ GrantsFetched : Null

❖ Interaction with Professional : Null

Institutions

Place:Pune

Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1



- ❖ NameoftheTeachingStaff : Mrs.Vineeta Philip
- ❖ Designation : AssistantProfessor
- ❖ Department : E&Tc EngineeringDept.
- ❖ DateofJoiningtheInstitution: 07/01/2011
- ❖ QualificationswithClass/Grade: ME-Electronics(Digitalsystem),FirstClass
PhDPursuing
- ❖ TotalExperienceinYears :Teaching-17years Industry-nil Research-nil
- ❖ PapersPublished :National- International–15(JOURNAL)
- ❖ PapersPresentedinConference:National-03 International–03
- ❖ Ph.DGuide ? Give Field & University : Field - NA University - NA
- ❖ PhDs / Projects Guided :PhDs -NA ProjectsatMasterslevel–NA
- Books Published/IPRs/Patents (With Details) :NIL
- ❖ ProfessionalMembership :ISTE,IETE
- ❖ ConsultancyActivities : NIL
- ❖ Awards : NIL
- ❖ GrantsFetched : NIL
- InteractionwithProfessional : Organized workshops,Webinarsandseminars forstudentsand
staffs
❖ Institutions

Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Mr.RahulNamdeoJadhav
- ❖ Designation :AssistantProfessor
- ❖ Department :Electronics&Telecommunications
- ❖ DateofJoiningtheInstitution:10/06/2013
- ❖ QualificationswithClass/Grade:BE(E&TC)-68.66%-1stClasswithdistinction
M.Tech(ETD)-7.12/8-1stClasswithdistinction
PhD(E&TC)- Pursuing
- ❖ TotalExperienceinYears :Teaching10.5Years Industry-1.5YearsResearch-1Year
- ❖ PapersPublished :National-Nil International-06
- ❖ PapersPresentedinConference:National- Nil International-Nil
- ❖ Ph.DGuide?GiveField& University :NoField- University -
University
- ❖ PhDs/ProjectsGuided :PhDs-
- ProjectsatMasterslevel-1.GSMbasedprepaidwatermeter Books
Published/IPRs/Patents (With Details) :Nil
- ❖ ProfessionalMembership :ISTE,IETE
- ❖ ConsultancyActivities :Nil
- ❖ Awards :Nil
groupofjournals.
- ❖ Grants Fetched : ReceivedgrantofRs.3Lakhfor2yearsfrom
ASPIRE SPPU
- ❖ InteractionwithProfessional :EduskillcertifiedtrainerforMicrochipAVRMicrocontroller



Place:Pune
Date:08February2025

Pune-1

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,



- ❖ Name of the Teaching Staff : Ms. Supriya Vikas Lohar
- ❖ Designation : Assistant Professor
- ❖ Department : E&TC Engineering
- ❖ Date of Joining the Institution: 6/01/2010
- ❖ Qualifications with Class/Grade: M.E. E&TC, First Class
- ❖ Total Experience in Years : Teaching-18 years Industry- Nil Research- Nil
- ❖ Papers Published (journals) : National-2 International-4
- ❖ Papers Presented in Conference: National-4 International-18
- ❖ Ph.D Guide ? Give Field & University : NA
- ❖ PhDs/Projects Guided : No
- Books Published/IPRs/Patents (With Details): No
- ❖ Professional Membership : IETE & ISTE
- ❖ Consultancy Activities : No
- ❖ Awards : No
- ❖ Grants Fetched : No
- ❖ Interaction with Professional Institutions : No

Place: Pune

Date: 08 February 2025

Pune-1

(Authorized Signature)

Dr Pradeep B Mane
Principal, AISSMS IOIT,



- ❖ Name of the Teaching Staff : Ms. Deepali Mahendra Yewale
- ❖ 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-20 yrs Industry- Research-2 yrs
- ❖ Papers Published : National-3 International-16
- ❖ Papers Presented in Conference: National-2 International-4
- ❖ Ph.D Guide ? 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: 08 February 2025

Pune-1

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMS IOIT,



- ❖ Name of the Teaching Staff : Mr. Chandrakant Khewajibhange
- ❖ 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-14.5 Industry- Research-2
- ❖ Papers Published : National- International-4
- ❖ Papers Presented in Conference: National-2 International-
- ❖ Ph.D Guide ? Give Field & University : Field - NA University - NA
- ❖ PhDs / Projects Guided : PhDs -NA Projects at Masters level-NA
- Books Published/IPRs/Patents (With Details) : NA
- ❖ Professional Membership : IETE and ISTE
- ❖ Consultancy Activities : NA
- ❖ Awards : NA
- ❖ Grants Fetched : NA
- ❖ Interaction with Professional Institutions : NA

Place: Pune
Date: 08 February 2025

(Authorized Signature)
Dr. Pradeep B. Mane
Principal, AISSMS IOIT,

Pune-1



- ❖ Name of the Teaching Staff: Ms. Harshada Bhushan Magar
- ❖ Designation : Assistant Professor
- ❖ Department : E&TC
- ❖ Date of Joining the Institution: 09/06/2016
- ❖ Qualifications with Class/Grade: M. Ed Distinction Ph.D Pursuing
- ❖ Total Experience in Years : Teaching-15 Yrs Industry-01 Research - 2
- ❖ Papers Published : National-01 International-08
- ❖ Papers Presented in Conference: National- 03 International-10
- ❖ Ph.D Guide ? Give Field & University : Field -NA University - NA
- ❖ Ph.Ds / Projects Guided : Ph.Ds -NA Projects at Masters level-NA
- Books Published/IPRs/Patents (With Details) : NIL
- ❖ Professional Membership : IETE, ISTE, BSI
- ❖ Consultancy Activities : NIL
- ❖ Awards : NIL
- ❖ Grants Fetched : 1.33 Lac for Antenna workshop (March 2018)
- ❖ Interaction with Professional Institutions : Nil

Place: Pune
Date: 08 February 2025

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMS IOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Dr.SarikaAmitrajPanwar
- ❖ Designation :AssistantProfessor
- ❖ Department :ArtificialIntelligence&DataScience
- ❖ DateofJoiningtheInstitution :08/07/2019
- ❖ QualificationswithClass/Grade:Ph.D,ME(E&TC)-FirstClass
- ❖ TotalExperienceinYears :Teaching–22Industry-Nil Research-05
- ❖ PapersPublished :National-Nil International–22
- ❖ PapersPresentedinConference:National- 02 International–08
- ❖ Ph.DGuide?GiveField& :Field-ElectronicsandTele-Communication
- ❖ University - SPPU
- ❖ PhDs/ProjectsGuided :PhDs-Nil ProjectsatMasterslevel–04
- ❖ BooksPublished/IPRs/Patents(WithDetails):01Books,BookChapter:01 3



Patents

- ❖ ProfessionalMembership :IEEE, ISTE,
- ❖ ConsultancyActivities :NA
- ❖ Awards :Nil
- ❖ GrantsFetched :NA
- ❖ Interaction with Professional :

Institutions

Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
 Principal,AISSMSIOIT,

Pune-1



- ❖ Name of the Teaching Staff: Mrs. Nilima Satish Warade
- ❖ 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-12 yrs. Industry- Nil Research- Nil
- ❖ Papers Published : National- Nil International- 6
- ❖ Papers Presented in Conference: National- 4 International- 2
- ❖ Ph.D Guide? Give Field & University : Field - NA University- NA
- ❖ PhDs/Projects Guided : PhDs- NA Projects at Masters level- 2
- ❖ Books Published/IPRs/Patents (With Details): Nil
- ❖ Professional Membership : ISTE, IEEE
- ❖ Consultancy Activities : Nil
- ❖ Awards : Nil
- ❖ Grants Fetched : Nil
- ❖ Interaction with Professional Institutions:

Place: Pune
Date: 08 February 2025

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMS IOIT,

Pune-1

- ❖ Name of the Teaching Staff :Ms. Rupali s. Pawar
- ❖ Designation :Assistant Professor
- ❖ Department : Electronics and Tele-Communication
- ❖ Date of Joining the Institution : 19/08/2024
- ❖ Qualifications with Class/Grade : ME (E&TC)- First Class

- ❖ Total Experience in Years : Teaching -10 years 2 months Industry - 7 Years 10 Months

- ❖ Papers Published : National - 01 International – 02
- ❖ Papers Presented in Conference : National - 01 International – 03

- ❖ Ph.DGuide ? Give Field & : NA

- ❖ University - SPPU

- ❖ PhDs / Projects Guided : NA

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

- ❖ Professional Membership : ISTE

- ❖ Consultancy Activities :NA

- ❖ Awards :NA

- ❖ Grants Fetched :NA

- ❖ Interaction with Professional :NA



Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ Name of the Teaching Staff : Dr. Ashpana Dilawar Shiralkar
- ❖ Designation : Associate Professor
- ❖ Department : Electrical
- ❖ Date of Joining the Institution : 07/10/2002
- ❖ Qualifications with Class/Grade : Ph.D (Electrical Engg)
- ❖ Total Experience in Years : Teaching-23 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
- ❖ Ph.Ds/Projects Guided : Ph.Ds-NIL Projects at Masters level-05
- ❖ Books Published/IPRs/Patents (With Details): Books-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.
- ❖ Grants Fetched : BCUD: 2 Lakh
- ❖ Interaction with Professional : NIL

Place: Pune
Date: 08 February 2025

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMS IOIT,

Pune-1

- ❖ 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)
- ❖ Total Experience in Years : Teaching-22 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)



Place: Pune
Date: 08 February 2025

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMS IOIT,

Pune-1

Control)

- TransientAudit
- ElectricityBillAnalysis
- EnergyManagementSystemSupport
- PQMonitoringSupport

❖ Awards :NIL

❖ GrantsFetched : 3000GBPUKIERIGrant

· 1LakhSPPUBCUDgranttopurchaseequipment

· 12LakhAICTEMODROBgrant

Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Mrs.KrutujaShrikrishnaGadgil
- ❖ Designation :AssistantProfessor
- ❖ Department :Electrical
- ❖ DateofJoiningtheInstitution :15/07/2005
- ❖ QualificationswithClass/Grade :M.E.-First Class
- ❖ TotalExperienceinYears :Teaching-21 Industry-00 Research-00
- ❖ PapersPublished :National-00 International-17
- ❖ PapersPresentedinConference :National-07 International-00
- ❖ Ph.DGuideGiveFieldUniversity:00
- ❖ PhDs/ProjectsGuided :PhDs-00ProjectsatMasterslevel-03
- ❖ BooksPublished/IPRs/Patents(WithDetails): Books-01
- PowerSystemOperation&controlTechnical Publications
 - Patent-00
- ❖ ProfessionalMembership :ISTE,IE(I),IANG
- ❖ ConsultancyActivities :NIL
- ❖ Awards :1stinPVGCOETatM.E.ElectricalPowerSystem
- ❖ GrantsFetched :In2007,25000/-from MEDA
- ❖ InteractionwithProfessional :NIL



Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ 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 Ph.D
- ❖ Total Experience in Years : Teaching-21 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
- ❖ Ph.Ds/Projects Guided : Ph.Ds-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 Switch gear and Protection laboratory from various Engineering Institutes.
- ❖ Interaction with Professional : NIL



Place: Pune
Date: 08 February 2025

(Authorized Signature)
Dr. Pradeep B. Mane
Principal, AISSMS IOIT,

Pune-1

❖ NameoftheTeachingStaff :Mr. VijaykumarS. Kamble
❖ Designation :AssistantProfessor
❖ Department :Electrical
❖ DateofJoiningtheInstitution :16/03/2009



❖ QualificationswithClass/Grade :M.E.-First Class

❖ TotalExperiencein Years :Teaching-23 Industry-00 Research-00

❖ PapersPublished :National-00 International-25

❖ PapersPresentedinConference :National-00 International-01

❖ Ph.DGuideGiveFieldUniversity:00

❖ PhDs/ProjectsGuided :PhDs-00ProjectsatMasterslevel-0

❖ BooksPublished/IPRs/Patents(WithDetails): Books-02

- Patent-01

❖ ProfessionalMembership :ISTE,IEI

❖ ConsultancyActivities :NIL

❖ Awards :NIL

❖ GrantsFetched :NIL

❖ InteractionwithProfessional :NIL

Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Mrs.LandgeShubhangiSudhir
- ❖ Designation :AssistantProfessor
- ❖ Department :Electrical
- ❖ DateofJoiningtheInstitution :06/08/0007
- ❖ QualificationswithClass/Grade :M.E.-First Class
- ❖ TotalExperienceinYears :Teaching-22 Industry-00 Research-00
- ❖ PapersPublished :National-06 International-08
- ❖ PapersPresentedinConference :National-02 International-02
- ❖ Ph.DGuideGiveFieldUniversity:00
- ❖ PhDs/ProjectsGuided :PhDs-00ProjectsatMasterslevel-05
- ❖ BooksPublished/IPRs/Patents(WithDetails): Books-04
- PowerSystemOperationandControl,TechnicalPublications,Pune,ISBN-978-93-332-1153-6
 - PowerSystemAnalysis,TechmaxPublications,Pune,ISBN-978-93-5077-960-6
 - ElectricalPowerSystem,TechmaxPublications,Pune,ISBN-978-93-5077-627-8
 - PowerSystemAnalysisandSimulation,TechmaxPublications,Pune,ISBN- 978-93-5077-627-8
- ❖ ProfessionalMembership :1.IndianSocietyforTechnicalEducationLifeMember**LM52810**
- ❖ TheInstitutionofEngineers(India)**AM1630310**
- ❖ ConsultancyActivities :NIL
- ❖ Awards :NIL
- ❖ GrantsFetched :NIL
- ❖ InteractionwithProfessional :NIL



Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ 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-17 Industry-02 Research-00

- ❖ Papers Published : National-00 International-12

- ❖ Papers Presented in Conference : National-00 International-03

- ❖ Ph.D Guide Give Field University: NA

- ❖ Ph.Ds/Projects Guided : Ph.Ds-NA Projects at Masters level-01

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

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

- ❖ First Edition-Jan.2014

- High Voltage Engineering-Savitribai Phule Pune University-TechMax Publications ISBN-978-93-5077-510-3

- ❖ First Edition-Jan.2016

- 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 Raison College of

- 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".

- 3.. Carried out testing of material for BE Chemical Engg Student of AISSMS COE.

- 4. Carried out testing of High Voltage Engineering practical's for Universal College of Engineering & Research

Place: Pune

Date: 08 February 2025

(Authorized Signature)

Dr Pradeep B Mane

Principal, AISSMS IOIT,

Pune-1

- ❖ Awards :1. **Cambridge International Certificate for Teachers and 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: 08 February 2025

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMS IOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Mrs. Vaishali.AYawale(V.P.Kuralkar)
- ❖ Designation :AssistantProfessor
- ❖ Department :Electrical
- ❖ DateofJoiningtheInstitution :01/10/2008
- ❖ QualificationswithClass/Grade :M.E.-First Class
- ❖ TotalExperienceinYears :Teaching-16 Industry-00 Research-00
- ❖ PapersPublished :National- 00 International-17
- ❖ PapersPresentedinConference :National-05 International-03
- ❖ Ph.DGuideGiveFieldUniversity:00
- ❖ PhDs/ProjectsGuided :PhDs-00ProjectsatMasterslevel-0
- ❖ BooksPublished/IPRs/Patents(WithDetails): Books-00
 - Patent-00
- ❖ ProfessionalMembership :IE(IM-1704170
 - ISTEIM67652
 - ISLEA.1394
- ❖ ConsultancyActivities :1)RomexTechnology(providedtrainingfor2days)
- ❖ Awards :(1)ReceivedBESTCABINDISPLAYAWARD2011-2012
 - Departmentallevel
- ❖ GrantsFetched :NIL
- ❖ InteractionwithProfessional :NIL



Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Mr.PrashantPMahajan
- ❖ Designation :AssistantProfessor
- ❖ Department :Electrical
- ❖ DateofJoiningtheInstitution :18/07/2013
- ❖ QualificationswithClass/Grade :M.E.-First Class
- ❖ TotalExperienceinYears :Teaching-20 Industry-04 Research-00
- ❖ PapersPublished :National- International-
- ❖ PapersPresentedinConference :National- International-
- ❖ Ph.DGuideGiveFieldUniversity:00
- ❖ PhDs/ProjectsGuided :PhDs-00ProjectsatMasterslevel-0
- ❖ BooksPublished/IPRs/Patents(WithDetails): Books-00
 - Patent-00
- ❖ ProfessionalMembership :IE(I),ISTE,IAENG
- ❖ ConsultancyActivities :NIL
- ❖ Awards :NIL
- ❖ GrantsFetched :NIL
- ❖ InteractionwithProfessional :NIL



Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Mr.SandipDnyanuRaste
- ❖ Designation :AssistantProfessor
- ❖ Department :Electrical
- ❖ DateofJoiningtheInstitution :10/06/2019
- ❖ QualificationswithClass/Grade :M.Tech.-PowerSystem-FirstClassDistinction,
• Ph.DPursuing
- ❖ TotalExperienceinYears :Teaching-12 Industry-02 Research-00
- ❖ PapersPublished :National-00 International-03
- ❖ PapersPresentedinConference :National-00 International-01
- ❖ Ph.DGuideGiveFieldUniversity:00
- ❖ PhDs/ProjectsGuided :PhDs-00ProjectsatMasterslevel-0
- ❖ BooksPublished/IPRs/Patents(WithDetails): Books-01
- ❖ NetworkAnalysisISBN978-93-5563-576-1
 - Patent-00
- ❖ ProfessionalMembership :ISTE,IE(I),IAENG
- ❖ ConsultancyActivities :NIL
- ❖ Awards :NIL
- ❖ GrantsFetched :NIL
- ❖ InteractionwithProfessional :NIL



Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ Name of the Teaching Staff :Prof. Rajesh Rupchand Waghulde
- ❖ Designation :Assistant Professor
- ❖ Department :Electrical Engineering
- ❖ Date of Joining the Institution : 22/08/2024
- ❖ Qualifications with Class/Grade : M.E. (EPS), MCJ, PhD (Perusing)
- ❖ Total Experience in Years : Teaching – 24 Industry - 00 Research - 2
- ❖ Papers Published : National - 03 International – 6
- ❖ Papers Presented in Conference : National - 03 International – 5
- ❖ Ph.D Guide ? Give Field & : Field - NIL
- ❖ University - SPPU
- ❖ PhDs / Projects Guided : PhDs - Projects at Masters level (Social) – 40



Books Published/IPRs/Patents (With Details) :**2 Books** (1 Book In Process)

2 Patents

1 Copyright (In Process)

- ❖ Professional Membership : ISTE In Process
- ❖ Consultancy Activities :NA
- ❖ Awards : 03(2 Academic & 1 Social Award)
- ❖ Grants Fetched : NIL
- ❖ Interaction with Professional Institutions : Communication to All India Radio Jalgaon, Pune, DIC, Jalgaon, Some Industry etc

Place:Pune

Date:08February2025

(AuthorizedSignature)

DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1



- ❖ Name of the Teaching Staff :Mr. A. A. Joshi
- ❖ Designation :Assistant Professor
- ❖ Department :Electrical Engineering
- ❖ Date of Joining the Institution : 19/09/2024
- ❖ Qualifications with Class/Grade :ME (Control System)- First Class
- ❖ Total Experience in Years : Teaching –10.2 Industry - 00 Research - 00
- ❖ Papers Published : National - 01 International – 07
- ❖ Papers Presented in Conference : National - 01 International – 00
- ❖ Ph.D Guide? Give Field & : NA
- ❖ University - SPPU
- ❖ PhDs / Projects Guided : PhDs - NA Projects at Masters level – NiL

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

- ❖ Professional Membership : ISTE, ACDOS, IAENG
- ❖ Consultancy Activities :NA
- ❖ Awards :NiL
- ❖ Grants Fetched :NiL
- ❖ Interaction with Professional :Institutions

1) Delivered Guest lecture On “Numerical Methods & Computer Programming” in the Jawaharlal Nehru Engineering College, Aurangabad, Maharashtra

2) Delivered Guest Lecture on “Energy Conservation & Management” in the Matoshri Rukminibai Damodar Malpani Vidyalaya, Sangamner, Maharashtra

3) Delivered Guest Lecture on “Energy Conservation & Management” in the Nizarneshwar Vidyalaya Kokangaon, Sangamner

4) Delivered Guest Lecture on “Energy Conservation & Management” in Amrutvahini Polytechnic college Sangamner

Place:Pune

Date:08February2025

(AuthorizedSignature)

DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ Name of the Teaching Staff : Ms. D. D. Changan
- ❖ Designation :Assistant Professor
- ❖ Department : Electrical
- ❖ Date of Joining the Institution : 02/09/2024
- ❖ Qualifications with Class/Grade : Ph. D Pursuing, ME(EPS), BE Electrical(Distinction)
- ❖ Total Experience in Years : Teaching – 10 Industry - 00 Research - 5
- ❖ Papers Published : National - 00 International – 06
- ❖ Papers Presented in Conference : National - 00 International – 02
- ❖ Ph.D Guide ? Give Field & : Field -
- ❖ University - SPPU
- ❖ PhDs / Projects Guided : PhDs - 0 Projects at Masters level – 00



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

1 Patents

0 Copyright

❖ Professional Membership : ISTE

❖ Consultancy Activities :NA

❖ Awards : 00

❖ Grants Fetched :

❖ Interaction with Professional :

Institutions

Place:Pune

Date:08February2025

(AuthorizedSignature)

DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

❖ TeachingStaff :Dr.AmitaA.Shinde

❖ Designation :AssociateProfessorandHeadoftheDepartment

❖ Department :InstrumentationEngineering

❖ DateofJoiningtheInstitution:03/09/2007

❖ QualificationswithClass/Grade:Ph.D,ME(Instrumentation)-FirstClass

❖ TotalExperienceinYears :Teaching-18,Industry-1.5,Research-05Years

❖ PapersPublished :National-0 International-26

❖ PapersPresentedinConference:National-0 International-03

❖ Ph.DGuide:No.GiveField: :Field:-

❖ University - SPPU

❖ PhDs/ProjectsGuided :PhDs-NA ProjectsatMasterslevel-NA

❖ BooksPublished/IPRs/Patents(WithDetails):1Bookchapter

❖ 3Patents

❖ ProfessionalMembership :ISTEandISOI

❖ ConsultancyActivities :NA

❖ Awards :03

❖ GrantsFetched:

❖ TheresearchproposalsubmittedtoUniversityofPunereceivedgrantofRs.1.00lakhforproject Biomedical image indexing and retrieval.

❖ InteractionwithProfessional :Nil.

○ Institutions



Place:Pune

Date:08February2025

(AuthorizedSignature)

DrPradeepBMane

Principal,AISSMSIOIT,

Pune-1



❖ Name of teaching staff: Mr. Hemant Pandurang Chaudhari	
❖ Designation	Assistant Professor
❖ Department	Instrumentation Engineering
❖ Date of joining the institution	02/07/2001
❖ Qualifications with class/Grade	M.Tech. First class
❖ Total experience in years	Teaching-27 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

Place: Pune
Date: 08 February 2025

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMS IOIT,

Pune-1

- ❖ TeachingStaff :Dr.VandanaVishwanathraoKale
- ❖ Designation :AssistantProfessor
- ❖ Department :InstrumentationEngineering
- ❖ DateofJoiningtheInstitution :28/12/2009
- ❖ QualificationswithClass/Grade:Ph.D,MTech(Instru)-FirstClass
- ❖ TotalExperienceinYears :Teaching–15Industry-Nil Research-03
- ❖ PapersPublished :National-01 International–20
- ❖ PapersPresentedinConference:National- Nil International–Nil
- ❖ Ph.DGuide?GiveField& :Field-InstrumentationEngineering
- ❖ University - SPPU
- ❖ PhDs/ Projects Guided :PhDs -Nil ProjectsatMasterslevel–Nil Books
Published/IPRs/Patents (With Details):Books:Nil
Patents:02
- ❖ ProfessionalMembership :ISTE,ISOIandISA
- ❖ ConsultancyActivities :NA



1. Awards

- 2023.AwardedwithEliteCertificateinNPTELonlinecourseofIntroductiontoBiostatisticsinNov.2023.AwardedwithElitewithSilverandTopperCertificateinNPTELonlinecourseofPythonfordata science in May
- 2023.AppointedasaReviewerofMachineLearningResearch(MLR)journalwithISSNPrint:2637-5672; ISSN Online: 2637-5680 from November 4, 2022 to November 4, 2024
- 2024AdvisoryEditorandReviewerofjournalInternationalJournalofIngeniousResearch,Inventionand Development from Jan 2023 to Dec 2023
- 2023AwardedwithBYSTMentordevelopmentprogrammecertificate
- ❖ GrantsFetched :
TheproposalsubmittedtoUniversityofPuneandreceivedgrantofRs.20,000/-forworkshopforfaculties on “Research Methodologies in Field Programmable Gate Arrays”
- ❖ Interaction with Professional Institutions :BoardmemberofISAPuneSectioninAY2022-23

Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Mrs.KulkarniSheetalVijay
- ❖ Designation :Asst. Professor
- ❖ Department :InstrumentationEngineering
- ❖ DateofJoiningtheInstitution:06/07/2009
- ❖ QualificationswithClass/Grade:M.Tech/FirstClass
- ❖ TotalExperienceinYears :Teaching–16 Industry-Nil Research - Nil
- ❖ PapersPublished :National–Nil International–23
- ❖ PapersPresentedinConference:National– Nil International–01
- ❖ Ph.D Guide ? Give Field & University : Field - Nil University - Nil
- ❖ PhDs / Projects Guided :PhDs -Nil ProjectsatMasterslevel–Nil
- Books Published/IPRs/Patents (With Details) :Nil
- ❖ ProfessionalMembership :ISTE
- ❖ ConsultancyActivities :Nil
- ❖ Awards : Nil
- ❖ Grants Fetched :[1]AICTE-MODROB–BiomedicalInstrumentation
Laboratory (Rs. 6,59,000/-)
- ❖ Interaction with Professional Institutions :Nil



Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ Name of the Teaching Staff : Mr. Jagtap Sagar Satyawan
- ❖ Designation : Assistant Professor
- ❖ Department : Instrumentation
- ❖ Date of Joining the Institution: 17/06/2015
- ❖ Qualifications with Class/Grade: MEFIRSTCLASS
- ❖ Total Experience in Years : Teaching-12 Industry- Research -
- ❖ Papers Published : National-1 International-
- ❖ Papers Presented in Conference: National- 1 International-
- ❖ Ph.D Guide ? Give Field & : Field - University-
 - o University
- ❖ Ph.Ds/Projects Guided : Ph.Ds- Projects at Masters level-
- ❖ Books Published/IPRs/Patents (With Details):
- ❖ Professional Membership : ISTE, IEEE
- ❖ Consultancy Activities :
- ❖ Awards :
- ❖ Grants Fetched : 3.00 LAKH (SPPU ASPIRE 2019-21)



Place: Pune
 Date: 08 February 2025

(Authorized Signature)
Dr Pradeep B Mane
 Principal, AISSMS IOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Dr.BadriNarayanmohapatra
- ❖ Designation :AssistantProfessor
- ❖ Department :InstrumentationEngineering
- ❖ DateofJoiningtheInstitution:26/06/2018
- ❖ QualificationswithClass/Grade: Mtech1stClass,Ph.D.(ThesisSubmitted)
- ❖ TotalExperienceinYears :Teaching-16 Industry-Nil Research-06
- ❖ PapersPublished :National-Nil International-27
- ❖ PapersPresentedinConference:National-01 International-04
- ❖ Ph.DGuide?GiveField& :Field- Nil University-Nil
 - University
- ❖ PhDs/ProjectsGuided :PhDs- ProjectsatMasterslevel-
- ❖ BooksPublished/IPRs/Patents(WithDetails):Nil
- ❖ ProfessionalMembership :ISI(InstrumentationSocietyOfINDIA)[IDNo-2222]
- ❖ ConsultancyActivities :Nil
- ❖ Awards :Nil
- ❖ GrantsFetched :Nil
- ❖ InteractionwithProfessional :Nil
 - Institutions



Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Ms.GartheDharmalaRajabhu
- ❖ Designation :AssistantProfessor
- ❖ Department :InstrumentationEngineering
- ❖ DateofJoiningtheInstitution :
- ❖ QualificationswithClass/Grade:.,M.Tech(E&TC)-FirstClass
- ❖ TotalExperienceinYears :Teaching–2.5YrsIndustry-00Research:00
- ❖ PapersPublished :National-00 International–00
- ❖ PapersPresentedinConference:National- 00 International–00
- ❖ Ph.DGuide?GiveField& :No
- ❖ University - SPPUPhDs/ Projects Guided :PhDs -



ProjectsatMasterslevel–NA Books Published/IPRs/Patents

(With Details) :Books

- ❖ ProfessionalMembership :
- ❖ ConsultancyActivities :NA
- ❖ Awards :NA
- ❖ GrantsFetched :NA
- ❖ InteractionwithProfessional :NA

Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Mr.PradeepUttamraoPalkar
- ❖ Designation :AssistantProfessor
- ❖ Department :InstrumentationEngineering
- ❖ DateofJoiningtheInstitution :07/08/2023
- ❖ QualificationswithClass/Grade :ME(ProcessInstrumentation)-FirstClass
- ❖ TotalExperienceinYears :Teaching-12 Industry-00 Research-00
- ❖ PapersPublished :National-02 International-00
- ❖ PapersPresentedinConference:National-00 International-00
- ❖ Ph.D.Guide?GiveField& :NA
- ❖ University-NA
- ❖ PhDs/ Projects Guided :PhDs -NA ProjectsatMasterslevel-NABooks
- Published/IPRs/Patents (With Details) :NA
- 3Patents
- 1Copyright
- ❖ ProfessionalMembership :ISTE
- ❖ ConsultancyActivities :NA
- ❖ Awards 00
- ❖ GrantsFetched :NA
- ❖ Interaction with Professional :NA
- Institutions



Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ Name of the Teaching Staff : Dr. Yogesh P. Patil
- ❖ Designation : Associate Professor
- ❖ Department : Engineering Sciences/First Year Engineering

- ❖ Date of Joining the Institution: 29/07/2005

- ❖ Qualifications with Class/Grade: B.Sc.I M.Sc. B+ Ph.D.

- ❖ Total Experience in Years : Teaching-24 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. 202121041701A
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. Soils sampler and tester, application no. 201921027868 dated 11/07/2019
- d. Automated gated 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

Place: Pune
Date: 08 February 2025

(Authorized Signature)
Dr. Pradeep B. Mane
Principal, AISSMS IOIT,

Pune-1

Books

Yogesh Patil,(2010)Monograph:‘Biodiesel,MyPerspectives’LAPLAMBERT AcademicPublishing AG&Co.KG,(Germany)ISBN978-3-8433-5124-9

☑ ProfessionalMembership : LMISTE67646
IEEE95337099

MarathiVjnyanParishad

LMTTA(TechnologyTransferAssociation)

LMSMC(SocietyforMaterialsChemistry)

☑ ConsultancyActivities : GreenAudit,WaterTesting,SoilTesting

❖ Awards :

- 1) UGC-JRFinEngineeringandTechnologyduring2000-2002,
- 2) CMFundedSaneGurujiFellowshipduring1997-99
- 3) Recipientofprestigiousaward“RecognitionofExcellency”ontheoccasionofSHAHUJAYANTI– 2019.
- 4) “BestResearcherAward–2019”byVDGOOD
- 5) “BestFacultyAward-2021”byVDGOOD
- 6)

GrantsFetched :

Sr. No	Amount (INR/USD)	Project	Funding Agency	Academic Year
1	Rs.125,000/-	Ag Nano Based antibacterial Composites	B.C.U.D.UniversityofPune	2009-10
2	Rs 25,000/-	Socialservices	N.S.S. & S.W.O. UniversityofPune	2007-08
3	Rs 25,000/-	Socialservices	N.S.S. & S.W.O. UniversityofPune	2007-08
4	Rs 25,000/-	Socialservices	N.S.S. & S.W.O. UniversityofPune	2008-09
5	Rs 25,000/-	Socialservices	N.S.S. & S.W.O. UniversityofPune	2009-09
6	Rs 25,000/-	Socialservices	N.S.S. & S.W.O. UniversityofPune	2009-10
7	Rs 13,000/-	ShevgaCutter	I.E.E.E.	2019-20
8	Rs. 10,000/-	Survey	U.B.A.GoI	2019 - 20

Place:Pune

Date:08February2025

(AuthorizedSignature)

DrPradeepBMane

Principal,AISSMSIOIT,

Pune-1

9	U.S.D. 4418/-	UVC Based disinfection machine	I.E.E.E.	2020- 21
10	Rs. 846411/-	Establishment of Skill and Personality Development Center	A.I.C.T.E.	2020 - 21
11	Rs 100000/-	AICTE-Scheme for Promoting Interests, Creativity and Ethics among Students (SPICES)	AICTE	2021-2 2

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

2) SASSOON Hospital Department of Microbiology PUNE

Place: Pune
Date: 08 February 2025

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMS IOIT,

Pune-1

- ❖ NameoftheTeachingStaff :DrNidhi Sharma
- ❖ Designation :AssistantProfessor
- ❖ Department :EngineeringScience



❖ DateofJoiningtheInstitution:02/07/2018

❖ QualificationswithClass/Grade:Ph. D.

❖ TotalExperienceinYears :Teaching-18 Industry- Research-04

❖ PapersPublished :National-0 International-5

❖ PapersPresentedinConference:National- International-2

❖ Ph.D Guide -Give Field & : Field - University-

University

❖ PhDs/ProjectsGuided :PhDs- ProjectsatMasterslevel-

BooksPublished/IPRs/Patents(WithDetails):WorkedasEditorforOswalPublicationclass10TH CHEMISTRY

BOOK, Fort flag E-book

❖ ProfessionalMembership :LifetimememberofISCA&ISTE

❖ ConsultancyActivities :

❖ Awards :

❖ GrantsFetched :

❖ Interaction with Professional :

Institutions

Place:Pune

Date:08February2025

(AuthorizedSignature)

DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ NameoftheTeachingStaff : Prof.ShriniwasVasantraoArlikar
- ❖ Designation :Assistantprofessor
- ❖ Department :Engineeringsciences
- ❖ DateofJoiningtheInstitution:05/04/1993
- ❖ QualificationswithClass/Grade:M.Sc.Physics(firstclass)
- ❖ TotalExperienceinYears :Teaching-33 Industry-- Research - 02
- ❖ PapersPublished :National-1 International-1
- ❖ PapersPresentedinConference:National-1 International--
- ❖ Ph.D Guide - Give Field & University : No : Field -- University--
- ❖ PhDs/ProjectsGuided :PhDs-- ProjectsatMasterslevel--
- 1. BooksPublished/IPRs/Patents(WithDetails):EngineeringPhysics(ISBN:9789389180930)
- ❖ ProfessionalMembership :ISTEandMVP
- ❖ ConsultancyActivities :-
- ❖ Awards :-
- ❖ GrantsFetched :Asco-investor2.3lakhs
- ❖ Interaction with Professional Institutions :FederationoffilmsocietyofIndia.



Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Dr.PramodGaneshMusrif
- ❖ Designation :AssistantProfessor
- ❖ Department :EngineeringSciences
- ❖ DateofJoiningtheInstitution:23-04-2012
- ❖ QualificationswithClass/Grade:PhDinPhysics
- ❖ TotalExperienceinYears :Teaching17 Industry- Research-5.6
- ❖ PapersPublished :National- International-08
- ❖ PapersPresentedinConference:National10 International-02
- ❖ Ph.D Guide - Give Field & University : Field - University-
- ❖ PhDs / Projects Guided :PhDs - ProjectsatMasterslevel-
- Books Published/IPRs/Patents (With Details) :NIL
- ❖ ProfessionalMembership :ISTEandASI
- ❖ ConsultancyActivities :-
- ❖ Awards :-
- ❖ GrantsFetched :GrantsreceivedfromBCUD,SPPUPuneofRs.3.2Lac
- ❖ Interaction with Professional Institutions :-



Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Dr.ManishaRRaghuvanshi
- ❖ Designation :AssistantProfessor
- ❖ Department :EngineeringSciences
- ❖ DateofJoiningtheInstitution:10/07/2023
- ❖ QualificationswithClass/Grade:Msc.(Physics)PhD,
- ❖ TotalExperienceinYears :Teaching-7 Research-6
- ❖ PapersPublished :National- International-06
- ❖ PapersPresentedinConference:National-1 International-3
- ❖ Ph.DGuide-GiveField& :
- ❖ PhDs / Projects Guided :PhDs - ProjectsatMasterslevel-
- ❖ Books Published/IPRs/Patents (With Details) :
- ❖ ProfessionalMembership :
- ❖ ConsultancyActivities :
- ❖ Awards :
- ❖ GrantsFetched :
- ❖ Interaction with Professional
titutions :NationalTaiwanUniversity,AcademiaSinicaIns



Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ NameoftheTeachingStaff :MrsGayatriNitinMawale
- ❖ Designation :Asst Professor
- ❖ Department :FE
- ❖ DateofJoiningtheInstitution:01/10/2008
- ❖ QualificationswithClass/Grade:MECivil(Structure)FirstClass
- ❖ TotalExperienceinYears :Teaching-17 Industry-2.5 Research-Nil
- ❖ PapersPublished :National-Nil International-1
- ❖ PapersPresentedinConference:National-Nil International-Nil
- ❖ Ph.D Guide -Give Field & University : Field -Nil University-
- ❖ Ph.Ds / Projects Guided :PhDs -Nil ProjectsatMasterslevel-
- Books Published/IPRs/Patents (With Details) :Nil
- ❖ ProfessionalMembership :LMIEI,LMIWWA,LMISSE,LMISTE
- ❖ ConsultancyActivities :OrganizedETABSSoftwareTrainingcourseasconsultancy
- ❖ Awards : Nil
- ❖ GrantsFetched : Nil
- ❖ Interaction with Professional Institutions : Nil

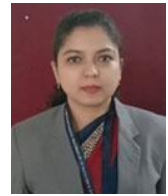


Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Ms.AtiyaNasirKhanPathan
- ❖ Designation :AssistantProfessor
- ❖ Department :EngineeringScience
- ❖ DateofJoiningtheInstitution:01/10/2008
- ❖ QualificationswithClass/Grade:MastersinCivilEngineering(Structures)
- ❖ TotalExperienceinYears :Teaching-13Industry-0.5 Research -
- ❖ PapersPublished :National-01 International–Nil
- ❖ PapersPresentedinConference:National- Nil International–Nil
- ❖ Ph.D Guide -Give Field & University : Field -Structures (Perusing) University-SPPU
- ❖ PhDs / Projects Guided :PhDs - ProjectsatMasterslevel–
- Books Published/IPRs/Patents (With Details) :
- ❖ ProfessionalMembership :IndianSocietyforStructuralEngineering,Instituteof EngineersIndia,LMISTE
- ❖ ConsultancyActivities :OrganizedETABSsoftwareTrainingcourseasconsultancy
- ❖ Awards :
- ❖ GrantsFetched :
- ❖ Interaction with Professional Institutions :



Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1



- ❖ 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- 11.6 years Industry- Research- 02 yrs
- ❖ Papers Published : National- International- 03
- ❖ Papers Presented in Conference: National- International-
- ❖ Ph.D Guide - Give Field & University : Field - University-
- ❖ Ph.Ds/ Projects Guided : Ph.Ds - Projects at Masters level -
Books Published/IPRs/Patents (With Details) :
- ❖ Professional Membership : Institution of Engineers (India)
Indian Society for Technical
- ❖ Consultancy Activities : Organized ETABS Software Training course as consultancy
- ❖ Awards : Best GFMA Award 2017-18
- ❖ Grants Fetched :
- ❖ Interaction with Professional Institutions :

Place: Pune
Date: 08 February 2025

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMS IOIT,

Pune-1


- ❖ NameoftheTeachingStaff :Mr.AmolJagannathMore
- ❖ Designation :AssistantProfessor
- ❖ Department :EngineeringSciences[FE]-MechanicalSection
- ❖ DateofJoiningtheInstitution:01Jan2010
- ❖ Qualifications with Class/Grade : M-TECHMECHANICALENGINEERINGfirstclasswith Distinction
- ❖ TotalExperienceinYears :Teaching-16years Industry-1 Research-03
- ❖ PapersPublished :National-01 International-12
- ❖ PapersPresentedinConference:National-02 International-01
- ❖ Ph.D Guide -Give Field & University : Field -NA University - NA
- ❖ PhDs / Projects Guided :PhDs - NA ProjectsatMasterslevel-NA
- Books Published/IPRs/Patents (With Details) :NIL
- ❖ ProfessionalMembership :LMISTE67648andSMISME20161570
- ❖ ConsultancyActivities :NIL
- ❖ Awards :01InnovativeResearch&DedicatedTeachingProfessionalAwardin Mechanical Engineering 2021.
- ❖ GrantsFetched : NIL
- ❖ InteractionwithProfessional :1.OmEngineeringPvtLtdPune
2. GVPLCFDTechnologiesPUNE
3. INFITECHenterprisesPune



Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- 
- ❖ NameoftheTeachingStaff :Mr.ShivajiSitaramGadadhe
 - ❖ Designation :AssistantProfessor
 - ❖ Department :FE(MechanicalEngg.)
 - ❖ DateofJoiningtheInstitution:13/10/2010
 - ❖ QualificationswithClass/Grade:BE(Mech),ME(DesignEngg.)Ph.D(Pursuing)
 - ❖ TotalExperienceinYears :Teaching–15years Industry-00 Research-00
 - ❖ PapersPublished :National-00 International–05
 - ❖ PapersPresentedinConference:National-00 International–01
 - ❖ Ph.D Guide -Give Field & University : Field -00 University-00
 - ❖ Ph.Ds / Projects Guided :PhDs - 00 ProjectsatMasterslevel–00
 - Books Published/IPRs/Patents (With Details) :00
 - ❖ ProfessionalMembership :ISTE//SMISME/FSIESRP
 - ❖ ConsultancyActivities :Nil
 - ❖ Awards :3timesBestGFM(2010-11,2011-12,2012-13),BestSDOForcollege, Innovative Technologist & Dedicated Teaching Professional Award
 - ❖ GrantsFetched :SWO
 - ❖ Interaction with Professional Institutions :Nil

Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Mr.NitinPrakashraoBhone
- ❖ Designation :AssistantProfessor
- ❖ Department :F.E.(MechanicalEngineering)
- ❖ DateofJoiningtheInstitution:03/06/2013
- ❖ QualificationswithClass/Grade:B.E(Mechanical)M.E(ProductionEngineering)Ph.D(Pursuing)
- ❖ TotalExperienceinYears :Teaching- 15Yrs Industry- 02YrsResearch- Nil
- ❖ PapersPublished :National- International–08Papers
- ❖ PapersPresentedinConference:National- International–03
- ❖ Ph.DGuide ? Give Field & University : Field - University-
- ❖ PhDs / Projects Guided :PhDs - ProjectsatMasterslevel–
- ❖ Books Published/IPRs/Patents (With Details) :
- ❖ ProfessionalMembership :LMISTE-85131/SMISME/FSIESRP
- ❖ ConsultancyActivities :
- ❖ Awards :1.FirstMeritinME(Production)AtSGBAUAmravati,
2.InnovativeTechnologist&DedicatedTeachingProfessionalAward
- ❖ GrantsFetched :
- ❖ Interaction with Professional Institutions :



Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1



- ❖ Name of the Teaching Staff : Mr. Ashish Shankarrao Apte
- ❖ 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-9.5 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-
- ❖ Ph.Ds / Projects Guided : Ph.Ds - Projects at Masters level-
- ❖ Books Published/IPRs/Patents (With Details) :
- ❖ Professional Membership : ISTE, IRED, IAENG
- ❖ Consultancy Activities :
- ❖ Awards :
- ❖ Grants Fetched :
- ❖ Interaction with Professional Institutions : Sainath Engineering and Machinery Ins

Place: Pune
Date: 08 February 2025

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMS IOIT,

Pune-1



- ❖ NameoftheTeachingStaff :Mr.MaheshBalasahebNigade
- ❖ Designation :Assistantworkshopsuperintendent
- ❖ Department :FE
- ❖ DateofJoiningtheInstitution:26/07/2016
- ❖ QualificationswithClass/Grade: MEMECHANICALDesign
- ❖ TotalExperienceinYears :Teaching-11 Industry-10 Research -
- ❖ PapersPublished :National-01International-05
- ❖ PapersPresentedinConference:National-03 International-
- ❖ Ph.D Guide -Give Field & Phule Pune university PUNE : Field -PHDmechanicalPursuing University-Savitribai
- ❖
- ❖ PhDs/ Projects Guided :PhDs - ProjectsatMasterslevel-
Books Published/IPRs/Patents (With Details) :
- ❖ ProfessionalMembership :ISTE
- ❖ ConsultancyActivities :AISSMSCNC,VMCtrainingcenterpune
- ❖ Awards :
- ❖ GrantsFetched :
- ❖ Interaction with Professional Institutions :

Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ Name of the Teaching Staff : Mr. Pandit Bandu Shinde
- ❖ Designation : Assistant Professor
- ❖ Department : Engineering Sciences

- ❖ Date of Joining the Institution: 02/07/2013

- ❖ Qualifications with Class/Grade: M.Tech (Ind. Maths) With "O" grade (First class with Distinction)

- ❖ Total Experience in Years : Teaching-12 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: 08 February 2025

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMS IOIT,

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-04 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: 08 February 2025

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMS IOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Dr.DilipShravanShelar
- ❖ Designation :AssistantProfessor
- ❖ Department :EngineeringSciences
- ❖ DateofJoiningtheInstitution:01/02/2021
- ❖ QualificationswithClass/Grade:M.Sc(Mathematics)withIIndclass,M.PhilwithIstclass,Ph.D
- ❖ TotalExperienceinYears :Teaching-22Industry- Research -
- ❖ PapersPublished :National- International-02
- ❖ PapersPresentedinConference:National- International-02
- ❖ Ph.D Guide -Give Field & : Field - University-
University
- ❖ PhDs / Projects Guided :PhDs - ProjectsatMasterslevel-
Books Published/IPRs/Patents (With Details) :
- ❖ ProfessionalMembership :IndianmathematicalSociety(IMS)
- ❖ ConsultancyActivities :
- ❖ Awards :
- ❖ GrantsFetched :
- ❖ Interaction with Professional :
Institutions



Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Dr.PritamSaha
- ❖ Designation :AssistantProfessor
- ❖ Department :Dept.ofEngineeringScience
- ❖ DateofJoiningtheInstitution :01/09/2022
- ❖ QualificationswithClass/Grade :Ph.D(CryogenicEngineering),
M.Tech.(ManufacturingTechnology)–FirstClass
B.Tech(MechanicalEngineering)–FirstClass
- ❖ TotalExperienceinYears :Teaching–2.3 Industry-00 Research-00
- ❖ PapersPublished :National-02 International–03
- ❖ PapersPresentedinConference :National–01 International–02
- ❖ Ph.D Guide - Give Field & University : Field – NA University–NA
- ❖ PhDs / Projects Guided :PhDs - Nil ProjectsatMasterslevel–Nil
Books Published/IPRs/Patents (With Details) :Nil
- ❖ ProfessionalMembership :Nil
- ❖ ConsultancyActivities :Nil
- ❖ Awards :01
- ❖ GrantsFetched :Nil
- ❖ Interaction with Professional Institutions :Nil



Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1



- ❖ Name of the Teaching Staff : Mr. Naushad Akbar Shaikh
- ❖ Designation : Assistant Professor
- ❖ Department : Engineering Sciences
- ❖ Date of Joining the Institution : 21/11/2022
- ❖ Qualifications with Class/Grade: M.Sc Maths, SET
- ❖ Total Experience in Years : Teaching-08 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

Place: Pune
Date: 08 February 2025

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMS IOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Mr.VikramDilipDeshmukh
- ❖ Designation :AssistantProfessor
- ❖ Department :Civil Engineering
- ❖ DateofJoiningtheInstitution:19/07/2022
- ❖ QualificationswithClass/Grade:ME(C&M)-FirstClass
- ❖ TotalExperienceinYears :Teaching-9.5 Industry-00 Research-00
- ❖ PapersPublished :National-00 International-3
- ❖ PapersPresentedinConference:National-0 International-0
- ❖ Ph.DGuide-GiveField& :
- ❖ University - SPPU
- ❖ PhDs / Projects Guided :PhDs -0 ProjectsatMasterslevel-0
- Books Published/IPRs/Patents (With Details) :0
- ❖ ProfessionalMembership :-
- ❖ ConsultancyActivities :NA
- ❖ Awards :-
- ❖ GrantsFetched :----
- ❖ Interactionwith :
Institutions



Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Mr.RamkrishnaBabanTope
- ❖ Designation :AssistantProfessor
- ❖ Department :EngineeringSciences
- ❖ DateofJoiningtheInstitution :16/11/2022
- ❖ QualificationswithClass/Grade:M.ScMaths,SET
- ❖ TotalExperienceinYears :Teaching–10 Industry- 00 Research-00
- ❖ PapersPublished :National-00 International–00
- ❖ PapersPresentedinConference:National- 00 International–00
- ❖ Ph.DGuide-GiveField& :Field---
- ❖ University - SPPU
- ❖ PhDs / Projects Guided :PhDs-00ProjectsatMasterslevel–00 Books
Published/IPRs/Patents (With Details) :00 Books
0Patents
0Copyright
- ❖ ProfessionalMembership :Nil
- ❖ ConsultancyActivities :NA
- ❖ Awards :00
- ❖ GrantsFetched :NA
- ❖ Interaction with Professional Institutions :NA



Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ NameoftheTeachingStaff :Miss.SupriyaSudamRaskar
- ❖ Designation :AssistantProfessor
- ❖ Department :Dept.ofEngineeringScience

- ❖ DateofJoiningtheInstitution :18/07/2022

- ❖ QualificationswithClass/Grade :M.Sc–FirstClass,SET,NET
B.Sc–FirstClass
- ❖ TotalExperienceinYears :Teaching–04 Industry-00 Research-00
- ❖ PapersPublished :National-00 International–00
- ❖ PapersPresentedinConference :National–01 International–00
- ❖ Ph.D Guide - Give Field & University : Field – NA University–NA
- ❖ PhDs / Projects Guided :PhDs - Nil ProjectsatMasterslevel–Nil
Books Published/IPRs/Patents (With Details) :Nil
- ❖ ProfessionalMembership :Nil
- ❖ ConsultancyActivities :Nil
- ❖ Awards :Nil
- ❖ GrantsFetched :Nil
- ❖ Interaction with Professional Institutions :Nil



Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

❖ NameoftheTeachingStaff :Mr.NeerajDevidasGaikwad
❖ Designation : T&POfficer
❖ Department :TrainingandPlacementDepartment



❖ DateofJoiningtheInstitution:02/08/1999

❖ QualificationswithClass/Grade:M.Tech–MetallurgicalEngineering(PhysicalMetallurgy)-
First Class

❖ TotalExperienceinYears :Teaching--22.8 Industry-01 Research-15

❖ PapersPublished :National-- International--

❖ PapersPresentedinConference:National-- International--

❖ Ph.DGuide?GiveField& :-

❖ PhDs / Projects Guided :PhDs -- ProjectsatMasterslevel--
Books Published/IPRs/Patents (With Details) :-2 Patents filed

❖ ProfessionalMembership :ISTE

❖ ConsultancyActivities :-

❖ Awards :05

❖ GrantsFetched :

- Received grant worth Rs.14thousandfromEDI-AhmedabadforconductingEntrepreneurship Awareness camp.
- ReceivedgrantworthRs. 14 thousand from Science and Technology Park-SPPU-Pune, for conducting Entrepreneurship Awareness camp.

❖ InteractionwithProfessional 07
Institutions

Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ Name of the Teaching Staff :MrP.D.Nimbalkar
- ❖ Designation :Assistant Professor
- ❖ Department :Engineering Sciences
- ❖ Date of Joining the Institution : 19/8/2024
- ❖ Qualifications with Class/Grade :ME Construction Management First Class
- ❖ Total Experience in Years : Teaching – 3.5 Industry - 03 Research - Nill
- ❖ Papers Published : National - 02 International – Nill
- ❖ Papers Presented in Conference : National - 01 International – Nill
- ❖ Ph.D Guide ? Give Field & : Field - Nill
- ❖ University - Nill
- ❖ PhDs / Projects Guided : PhDs - Nill Projects at Masters level – Nill
- ❖ Books Published/IPRs/Patents (With Details) :Nill
- ❖ Professional Membership : Nill
- ❖ Consultancy Activities : Nill
- ❖ Awards :Nill
- ❖ Grants Fetched :Nill
- ❖ Interaction with Professional Institutions:- Nill



Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ Name of the Teaching Staff : Mrs. Rajashree L .Nanaware
- ❖ Designation :Assistant Professor
- ❖ Department : Civil Engineering
- ❖ Date of Joining the Institution : 19/08/2024
- ❖ Qualifications with Class/ Grade : MTech (Civil)- First Class
- ❖ Ph.D -Pursuing
- ❖ Total Experience in Years : Teaching - 8
- ❖ Papers Published : Nil International – Nil
- ❖ Papers Presented in Conference : Nil International – Nil
- ❖ Ph.D Guide ? Give Field : NA
- ❖ University - SPPU
- ❖ PhDs / Projects Guided : NA
- Books Published/IPRs/Patents (With Details) : NA
- ❖ Professional Membership : Nil
- ❖ Consultancy Activities :Nil
- ❖ Awards : Nil
- ❖ Grants Fetched : NA
- ❖ Interaction with Professional Institutions : NA



Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
Principal,AISSMSIOIT,

Pune-1

- ❖ Name of the Teaching Staff : Dr. Jayesh DineshbhaiSavaliya
- ❖ Designation :Assistant professor
- ❖ Department :Engineering Science
- ❖ Date of Joining the Institution :02/09/2024
- ❖ Qualifications with Class/Grade : Ph. D, MSc (Mathematics)- First Class



- ❖ Total Experience in Years : Teaching –0.75 Industry - 00 Research - 05
- ❖ Papers Published : National - 00 International – 05
- ❖ Papers Presented in Conference : National - 01 International – 04
- ❖ Ph.D Guide ? Give Field & :NA
- ❖ University - - NA
- ❖ PhDs / Projects Guided : PhDs - 0 Projects at Masters level – 0

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

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

Place:Pune
Date:08February2025

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DrPradeepBMane
 Principal,AISSMSIOIT,

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- ❖ Name of the Teaching Staff :Sasha Shelke
- ❖ Designation :Head Marketing and Media Connect
- ❖ Department :
- ❖ Date of Joining the Institution :1/1/2025 (I have joined AISSMS on 1/6/16)
- ❖ Qualifications with Class/Grade :B.Tech.First Class

- ❖ Total Experience in Years : Teaching –7 years and 8 years Industry

- ❖ Papers Published : International – 01

- ❖ Papers Presented in Conference : Nil

- ❖ Ph.D Guide ? Give Field & :Nil

- ❖ University - Nagpur University

- ❖ PhDs / Projects Guided :Nil
- Books Published/IPRs/Patents (With Details) :Nil
- 3 Patents
- 1 Copyright

- ❖ Professional Membership

- ❖ Consultancy Activities :NA

- ❖ Awards :Nil



Place:Pune
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- ❖ NameoftheTeachingStaff :Dr.DeepaliSureshchandraMore
- ❖ Designation :PhysicalDirector
- ❖ Department :PhysicalEducation
- ❖ DateofJoiningtheInstitution:29/12/2009
- ❖ QualificationswithClass/Grade:M.P.Ed(SET),PhD
- ❖ TotalExperienceinYears :Teaching–13.2 Industry- Research-0
- ❖ PapersPublished :National-02 International–01
- ❖ PapersPresentedinConference:National- 02 International–02
- ❖ PhDs/ProjectsGuided :
- ❖ ProjectsatMasterslevel–
BooksPublished/IPRs/Patents(WithDetails):
- ❖ ProfessionalMembership :
- ❖ ConsultancyActivities :NA
- ❖ Awards :01
- ❖ GrantsFetched :SPPUunderBCUDSportsgrant60,000/-in 2010
SPPU under BCUD Sports grant 60,000/- in 2012
SPPUunderBCUDSportsgrant1,00,000/-in2014
SPPUunderBCUDSportsgrant1,00,000/-in2016
SPPUunderBCUDSportsgrant1,00,000/-in2018
- ❖ Interaction with Professional Institutions :NA



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❖ NameoftheTeachingStaff :Ms.PushpaVitthalHirave

❖ Designation :Librarian

❖ Department :Central Library

❖ DateofJoiningtheInstitution:03/06/2013

❖ QualificationswithClass/Grade:B.Sc.(Chemistry),M.L.I.Sc,UGC-NET,PostGraduationDiplomain Library Automation and Networking

❖ TotalExperienceinYears :Teaching-12 Industry-00 Research-00

❖ PapersPublished :National-00 International-00

❖ PapersPresentedinConference:National- 00 International-00

❖ Ph.DGuide?GiveField& :Field-----

❖ PhDs / Projects Guided :PhDs -00 ProjectsatMasterslevel-00

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

❖ ProfessionalMembership :ILOSC

❖ ConsultancyActivities :NA

❖ Awards 01

❖ GrantsFetched :NA

❖ Interaction with Professional Institutions :NA



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- ❖ NameoftheTeachingStaff :Ms.MadhaviPrashantParulekar
- ❖ Designation :Librarian
- ❖ Department :Library
- ❖ DateofJoiningtheInstitution:01/12/2013
- ❖ QualificationswithClass/Grade:B.Sc.M.A.M.LibI.Sc.SETwithFirstClass
- ❖ TotalExperienceinYears :Librarian-15yearsAsst.Librarian5Years
- ❖ PapersPublished :National-0 International—
- ❖ PapersPresentedinConference:National-- International—
- ❖ Ph.DGuide?GiveField& :-
- ❖ PhDs/ProjectsGuided :- ProjectsatMasterslevel—
- ❖ ProfessionalMembership :-
- ❖ ConsultancyActivities :-
- ❖ Awards :-
- ❖ GrantsFetched :-
- ❖ Interaction with Professional Institutions :



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(9) Fees

S. No.	NameoftheProgrammes	Seats	Duration	FeesinRupees	Hostel Fees
1	ComputerEngineering	120	4years	120000/-	135000/-
2	ElectricalEngineering	60	4years	120000/-	135000/-
3	InstrumentationEngineering	60	4years	120000/-	135000/-
4	Electronics&Tele-communication	120	4years	120000/-	135000/-
5	InformationTechnology	60	4years	120000/-	135000/-
6	ArtificialIntelligenceandDataScience	120	4years	120000/-	135000/-
7	M.E.PowerElectronics&Drives	18	2years	56863/-	135000/-
8	M.E.VLSIandEmbeddedSystem	18	2years	56863/-	135000/-

Details of fee, as approved by StateFeeCommittee, for the Institution	Tuitionfeesof Rs.104348/-
	Developmentfeesof Rs.15652/-
	TotalfeesofRs.1,20,000/-
Timescheduleforpaymentoffeefortheentire programme	TillthecutoffdateasstipulatedbytheDirector Technical Education/ Govt. of Maharashtra.
NoofFeeswaiversgrantedwithamountandname of students	2024-25:24 2023-24:22 2022-23:24
NumberofscholarshipofferedbytheInstitution, durationandamount	2024-25:03 2023-24:02 2022-23:06 2021-22:07
Criteriaforfeewaivers/scholarship	AsperGovt.rules®ulation
EstimatedcostofBoardingandLodginginHostels	BoardingandLodginginHostelRs.135000/-per annum per head.

(10) Admission

Numberofseatssanctionedwiththeyearofapproval

Sr No	Nameoftheprogrammes	Sanction Intake	Year of Approval
1	ElectricalEngineering	60	1999
2	ElectronicsandTelecommunicationEngineering	60	2008
3	ElectronicsandTelecommunicationEngineering(SecondShift)	60	2013
4	ComputerEngineering	60	1999
5	ComputerEngineering(SecondShift)	60	2012
6	InformationTechnology	60	2008
7	InstrumentationEngineering	60	1999
8	ArtificialIntelligenceandDataScience	120	2020
9	ME-ElectricalEngineering(PowerElectronicsandDrives)	18	2013
10	ME-ElectronicsandTelecommunicationEngineering(VLSIand EmbeddedSystem)	18	2013
TotalIntake		576	

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

SrNo.	Under Graduate (UG)	2022-2023	2023-2024	2024-2025	Post Graduate (PG)	2022-2023	2023-2024	2024-2025
1	SC	50	54	49	SC	0	1	2
2	ST	11	13	18	ST	0	0	0
3	VJNT	46	50	64	VJNT			
4	SBC	14	13	15	SBC			
5	OBC	176	185	212	OBC	0	0	0
6	SEBC	0	0	81	SEBC	0	0	0
7	Open	289	262	242	Open	0	12	6
Total		586	577	681	Total	0	13	8

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

SrNo	Particulars	Academic Year 2023-2024	Academic Year 2024-2025
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) JEEMain/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) JEEMain/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	

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(12) Criteria and Weightages for Admission

Describe each criterion 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		
		2022-23	2023-24	2024-25
1	Electrical Engineering	91.04–8.38	89.48-73.25	80.08-77.64
2	Electronics and Telecommunication Engineering	93.75–19.84	94.10-91.37	95.66-6.83
3	Computer Engineering	98.65–24.87	98.71-95.88	99.07-46.36
4	Information Technology	96.49–44.93	95.87-95.31	99.26-22.50

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5	InstrumentationEngineering	83.24–4.19	80.98-64.09	91.85-4.85
6	ArtificialIntelligenceandDataScience	95.81–10.49	95.90-94.25	96.89-52.20

(*)TotalCETscore,(**)TotalpercentileofCET

DisplaymarksscoredinTestetc.andinaggregateforallcandidateswhowereadmitted

(13) ListofApplicants

Listofcandidatewhose applications have been received along with percentile / percentage score for each of the qualifyingexaminationinseparatecategoriesforopenseats.Listofcandidatewhohaveappliedalongwith percentage and percentile score for Management quota seats.

(14) ResultofAdmissionunderManagementseats/vacantseats

Composition of selection team for admission under Management Quota with the brief profile of members (This information be madeavailableinthe public domain after the admission process is over)	
Scoreoftheindividualcandidateadmittedarranged inorderormerit	
Listofcandidatewhohavebeenofferedadmission	
Waiting list of the candidate in order of merit to be operative from the last dateofjoiningofthefirstlist candidate	
List of the candidate who joined within the date, vacancy position in each category before operation of waiting list	

(15) InformationofInfrastructureandOtherResourcesAvailable

NumberofclassRooms(UG)andsizeofeach

SrNo	ClassRoom	SizeofEachinSqm
1	002	71.01
2	016	72.45
3	018	72.59
4	109	73.34
5	109B	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

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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

NumberofclassRooms(PG)andsizeofeach

SrNo	ClassRoom	SizeofEachinSqm
1	205	33
2	401	33
3	414	33

NumberofTutorialRoomsandsizeofeach

SrNo	TutorialRoom/	SizeofEachinSqm
1	015	35
2	217	37
3	314	33
4	510A	33
5	513	41.1
6	612	33
7	712	41.1

Numberoflaboratoriesandsizeof each

SrNo	Laboratories	SizeofEachinSqm
1	Physicslab	66.66
2	MechanicalEngg.Lab	66.66
3	AppliedChemistryLab	100.96
4	CAD Lab	71.72
5	CivilEngg.Lab	66.66
6	Workshop	225
7	BasicElectricalLab	72.5
8	ElectricalMachineLab	145.29
9	HighVoltageLab	66.66
10	Drives&PowerElectronicsLab	72.28
11	Measurments&InstrumentationLab	66.66
12	Microprocessor&ControlSystemlab	66.66
13	PowerElectronics&Drives	72.28

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14	ElectricalProjectLab&PGComputer centre	145.29
15	PowerSystemsLab	72.5
16	DigitalElectronicsLab	72.48
17	ElectronicsCircuitLab	72.48
18	OFC/VoiceNetworkLab	72.28
19	SystemProgramminglab	71.45
20	Microcontroller/Embedded	71.45
21	PG/VLSILab/LabPracticel	55
22	ProjectLab/BasicElectronicsLab	48
23	PG/LabPracticell	66.66
24	InternetofThingsLab	72.48
25	CorporateTraining Room	72.48
26	ComputationLab	72.48
27	ProgrammingLab	71.45
28	NetworkSecurityLab	71.45
29	ProjectLab	41.1
30	H/W&MicroprocessorLab	66.66
31	ProgramingLab	72.48
32	Project&NetworkLab	72.48
33	SoftwareLab	72.48
34	SoftwareComputingLab	71.45
35	AdvanceSoftwareLab	71.45
36	ProjectLab	71.45
37	NetworkLabI	71.45
38	HardwareLab	72.48
39	LanguageLab	72.48
40	SoftwareLabI	73.42
41	SoftwareLab II	72.28
42	NetworkLab II	66.66
43	Analog&DigitalTechniquesLab	73.42
44	ProcessInstrumentationLab	72.48
45	Sensor &Tranducer Lab & Forbes MarshallCentreofExcellenceflow Level Lab	51.03
46	ComputerLab	72.48
47	Emerson Centre of Excellence in DeltaVDistributedControlSystem Lab	51.62
48	BioMedicalInstrumentationLab	51.03

NumberofDrawingHallsandCapacityof each

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

NumberofComputerCentersandCapacityofeach

Place:Pune
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SrNo	ComputerCenters	Capacityofeach
1	105,107	100.57

Library

NumberofLibrarybooks/Titles/Journalsavailable(program-wise)

Sr. No.	Course	Total Number of Titles	Total Number of Volumes	Department	NumberofJournals	
					National	International
1	AI&DS	15	168	-	6	5169
2	ComputerEngineering	985	6902	294	6	
3	ElectricalEngineering	747	4372	309	6	
4	ElectricalEngineering(ME)	66	232	-	12	
5	InstrumentationEngineering	620	3268	229	6	
6	Electronics & Tele-communication	1443	7578	149	6	
7	Electronics & Tele-communication(ME)	70	329	-	12	
8	InformationTechnology	573	2760	318	6	
9	Engineering Science (First Year)	451	3813	822	-	
10	General	293	781	-		
	Total	5263	30203 (As Per Accession Register)			
11	DonatedBooks	361	447	-		
12	BCUDBooks	103	105			
13	BookBank(SWF)	175	1226	-		
Total		5902	31981 (A)	2491(B)		
GrandTotal(A+B)		34472				

E-JournalforCentralLibrary

Sr. No.	Publisher	E-Content
1.	IEEEASPPPackage	169Journalssincefrom2001backfilesofElectronicsand Electricalandbasicsciences
2.	Knimbus	25000ebooksofengineering

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3.	DELNET Consortium	5000+Fulltextejournals,320engineeringebooks
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Laboratory and Workshop

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

SrNo	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 sets slipring I. M.m/c. coupled to Compound m/c.	01	BENN Electricals Pvt. Ltd.	IS:4722	3ph, 415V, AC Supply, 7.5 HP, 12 Amp, 1410 rpm, 50Hz
3	Motor generator sets slipring I. M.m/c. coupled to Compound m/c.	01	BENN Electricals Pvt. Ltd.	IS:4722	3ph, 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 Variations
5	LCD Projector	01	Sharp	XR-10S	Projection DLP, Native resolution: SVGA (800 x 600), Maximum resolution: 1400 x 1050) Contrast 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	UMG96R M-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	VPLDX 221	3LCD 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	Capacitance and Tan Delta Measuring System	01	Protection System India	--	10kV, 1 microF Std capacitor,

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12	ThreePhaseSeriesInverter with Motor	01	POWERCON		Input: Single phase AC (230V,50Hz),Output:0.25A perphase/180VACpp,3 phase induction motor load
13	PSIMSoftware(5Users), PSIM9.3	01	PSIM9.3	722374855	5users
14	Powerscope	02			Inputs: 1500V max, Dual 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 415V line to line, O/P load capacity 50W per phase
17	Digital Storage Oscilloscope	02	RIGOL 1102E		100 Mhz band width, 500 MS/s to 1 GS/s real time sample rate, 2mV/div 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/C hauvin Arnox	CA6417	1500Ω/500μH/40A
19	Inductive Load Bank	01	Xtreme Engineering Equipment (P) Ltd (XEEPL)	--	3Phase Star Connected, 10 A/ Phase
20	Digital Laser Distance Meter	01	BOSCH	GLM500	Measuring Range 0.05-50 m [^] A)
21	CCompliers software (05 User)	01	C Complier	IC9UM-X502X-3 C5J9	05users
22	ACServomotor Trainer Kit	01	Benix	--	0-12VAC, 2A
23	DC Motor Position Control System	01	Benix	--	0-12VDC, 0.9A
24	Allen Bradley Programming Logic Controller (PLC) with software 20DI & 12DO, 2AI, & 2AO 120/240Volt AC /24VDC, 10K memory PLC SCADA	03	Rockwell Automation	1766-L32 BWAA	20DI & 12DO, 2AI, & 2AO 120/240Volt AC/24VDC, 10K memory PLC Software : RSLogix 500 SCADA Software: factory Talk View Studio

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25	PowerQualityandEnergy Analyzer	01	Fluke	435-II	ClassA,Accuracy:±0.1% voltage/±0.5%±5counts Current, Harmonics 50, Flicker
26	PowerQualityLogger	01	Fluke	1748	IEC61000-4-30Ed3,Class A,Accuracy:±0.1% voltage/ ±0.5%±5countsCurrent, Harmonics50,Flicker
27	Merz-PriceprotectionKitfor Transformer(withsolidstate %Differentialrelay)(MDE Make specification)	01	MD Electricals	20040220/302	3 pahse 415V/230V, AC, Delta Star Transformer, percentage biased differential,solidstaterelay
28	EconomicalDemoPanelFor Merz-Price Protection of Alternator	01	MD Electricals		Alternator 3KVA,3Phase,415V,1500 rpm, Star connected Alternator winding Coupled to 3 HP, 220V,1500RPMDCShunt Motor Protectiverelay 3-phase, 1A, CT operated percentagebiaseddifferential solid-state relay.
29	TransformerProtectionKit	01	Xtreme Engineerin g 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. Protectiverelay 3-phase, percentage biased differential, solid state relay
30	Merz-PriceprotectionKitfor Alternator	01	Xtreme Engineerin g Equipment (P) Ltd (XEEPL)	--	Alternator 3KVA,3Phase,415V,1500 rpm, Star connected Alternator winding Coupled to 3 HP, 220V,1500RPMDCShunt Motor Protectiverelay 3-phase, 1A, CT operated percentagebiaseddifferential solid-state relay.
31	EDSAsoftware	01	EDSA Micro Corporation	CE_50 Serial No SN#10290 34198	EDSAPaladinDesignBase CE-50 Bus
32	LongTransmissionLinePanel (MOD Bus)	01	MD Electricals	--	400kmTransmissionLine SimulationPanel,5PIsection withRS-485

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33	ETAPSSoftware	01	etap	85234090	ETAPSSoftware
34	KitofVSIIfedPMSMcontrol characteristics.	01	DGP Enterprises	-	O/P415Vlinetoline O/Ploadcapacity50Wper phase. MOSFET based.1/2HP AC Moror.
35	Computers	10	Lenovo	-	Core: i3, RAM : 4 GB, HDD:500GB Display:19.5"X, DVDRW Win:8.1Pro,3Yrs 1 GB Graphics
36	ClamponMetersKrykardF403	01	Krykard	F403	ClamponMeters
37	Computers	04	Lenovo	-	Core: i3, RAM : 4 GB, HDD:500GB Display:19.5"X, DVDRW Win:8.1Pro,3Yrs 1 GB Graphics
38	Laptop	01	Lenovo ThinkPad	-	Core: i5, RAM:4GB, HDD: 1TB/12GBC/W8.1/P600FXF D,PG005FXFG Win:8.1Pro,3Yrs 1 GB Graphics
39	Computers	01	Lenovo	-	Core: i3, RAM:4GB, HDD: 1 TB, Display:19.5" DVD Win:10Pro,KBMS,3Yrs 1 GB Graphics
40	Computers	01	Lenovo	-	Core: i7, RAM : 16 GB, HDD:1TB+240Gb Display:21.5"X, SSD,DVD Win:10Pro,KBMS,3Yrs
41	Computers	10	Lenovo	-	Core: i3, RAM:4GB, HDD: 1 TB Display:19.5"X, DVD Win:10Pro,KBMS,3Yrs 1 GB Graphics
42	SmartTVLG	01	LG	UN7365	165.1cm4ksmartUHDTV
43	DocumentCamera	01	EPSON Make	ELPDC21	Full HD desktopcamerawith 12x optical zoom.

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44	AhujaPaLecturnSystem	01	Ahuja	WSL-250 OR	AhujaPaLecturnSystem with Inbuilt Speakers,Amplifire,Cordlessmic,PodiumMic,USB port.
45	PortableApplianceTester (Donated)	01	Meggar	PAT420-I N	PortableApplianceTester
46	HandHeldMotorTester (Donated)	01	Meggar	MTR-105	Hand Held Motor Tester 1kV,BatteryPower,MemoryStorage,USB Download with standard test lead set and kelvin test lead set-all languages.
47	ElspecPureBlackBoxPower Quality Analyzer	01	ElspecEngineering Pvt.Ltd.	SPG-531 A-0090K	Elspec pure black box pure 3 phase class A continuous recorder with PQSCADA sapphire professional version setoffourflexicurrentclamp 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/N1DTS A30249	COREI58365U|8GBRAM | 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|MILSTD-810, IP 53 |SMART CARD READER | 6 CELL BATTERY | 3 YRS WARRANTY ON MAIN UNIT, 1 YEAR ON ACCESSORIES(BATTERY & ADAPTOR)
49	ElectricalSurgeProtector 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	ElectricalSurgeProtector 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 configuration440VAC,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 9nos5/15A 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 60Amp Active Harmonic Filter PQSine-I-AHF3P4W60A HModule HMI 7inch LCD Display 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.	-	UMG604E-PRO(52.16.202) -UMG604E-PRO,95-240V
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 3000A 24IN, 4Pack
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 (10KVA, 15 amps), ZPS Current = 45 amps)
59	Revcon 4KW Passive Harmonic Filter	01	VERICON Carmitech Pvt Ltd	-	RHF-5P4.0-400-50-20-C (To be imported from Revcon Germany/Singapore)
60	Open source openz meter	01	PQ Excel Solution LLP	-	3-phase version. (To be imported from Spain)

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61	PowerQualityPractitioner Training Tool	01	PQExcel Solution LLP	-	PQSim200StandardSet/ 50Hz and 230VAC version (To be imported from Thailand)
62	DCCurrentClamp(1500A DC/1000A AC)	01	ElspecEngineering (India) Private Limited	-	1,500ADC/1,000AAC

ListofMajorEquipment/FacilityineachLaboratory/Workshop(Computer)

NameofLaboratory:ProgrammingLaboratory

Sr. No.	NameofEquipmentwithSpecification	Total Quantity	Rateper Quantity	Total Amount
1	Desktop Computer Make: LENOVOProcessors:Core i3, Motherboard: Compatible to core i3 Processor,HDD:500GBSATAHDDRAM:4GB RAM DDR-III, Display: 19.5" LEDDisplayScreen, DVD RW Drive, SMPS with Cabinet,Keyboard: Multimedia Keyboard, Mouse: Optical Mouse, Operating System : Preloaded Windows 8 License with mediaWarranty 3 years	13	49925.00	649025.00
2	DesktopComputer,Make:LenovaThinkCentre Processors: Core i3 4th Gen, Motherboard:Compatibletocorei3Processor, HDD: 500 GB HDD RAM:4GBRAM, Graphics Card: 1GB Graphics Card, Display: 19.5" LED Display Screen, DVD RW Drive, SMPS with Cabinet, Keyboard:USBMultimediaKeyboard, Mouse: USB Optical Mouse, Operating System: Preloaded Windows 8.1 Professional License Warranty:3years onsite	9	59594.00	536346.00
3	UPS7.5KVAwithBatteries 1)IGBT Base 2) InputVoltage:230VAC,SinglePhase 3) Suitable for minimum 20 PC's for 30 minutes backup, along with interconnecting cable, steel rack. 16 batteries for each UPS (02UPS*16Batteries=32Batteries26AH)	1	130800.00	130800.00

NameofLaboratory:ProjectandLinuxLaboratory

Sr. No.	NameofEquipmentwithSpecification	Total Quantity	Rateper Quantity	Total Amount
1	Lenovo Desktop COMPUTER:Processors:Core i3 C3.3Mhz 3MB(cache)Motherboard:i3ProcessorHDD:500GbSATA	15	32550.00	488250.00

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	HDRAM:4GBRAMDDR3Display:18.5"wideLED DisplayScreenDVDRWDriveGraphics:IntegratedonboardGrap hics Card SMPS: with Cabinet Keyboard			
	Lenovo Desktop COMPUTER:Processors:Core i3 C3.3Mhz 3MB(cache) Motherboard: i3 Processor HDD: 500Gb SATA HDRAM:4GBRAMDDR3Display:18.5"wideLED Display Screen DVD RW Drive Graphics: IntegratedonboardGraphics Card SMPS: with Cabinet Keyboard	20	48390.00	967800.00
2	LenovoDesktopPc,3MbCache,1066Mhz,4gb1333Fsb, IntelCoreDuo,1014MbRam	05	27700.00	138500.00
3	Scanner: HPScanjet5590digitalflatbedscanner	1	19950.00	19950.00
3	DotMatrixPrinter	2	7100.00	14200.00
		1	7100.00	7100.00
4	24PORTSwitch10/100UnmanagedD-Link10/100MBPS	2	16995.00	33990.00
5	7.5KVAUPSalongwithSMFBatteries12V/18AH(16 Nos) and Ms Rack	2	120955.0 0	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	122000.0 0	122000.00

NameofLaboratory:SoftwareLaboratory

Sr. No.	NameofEquipmentwithSpecification	Total Quantity	Rateper Quantity	TotalAmount
1	LenovoDesktopCOMPUTER:Processors:Core i3 C3.3Mhz 3MB(cache)Motherboard:i3ProcessorHDD: 500GbSATAHDRAM:4GBRAMDDR3 Display: 18.5" wide LED Display Screen DVD RW DriveGraphics:Integratedonboard GraphicsCardSMPS:withCabinetKeyboard	38	32550	1236900
2	Wipro Desktop Computer 01.1GB DDR3 RAM 01.1GB DDR3 RAM 160GB HDD SATA:-7200RPM DVDRW Drive Multimedia Keyboard Optical Mouse Professional Service Windows XP Professional Service 17" TFT Monitor	3	29423	88269
3	DotMatrixPrinter	4	6750	27000
3	DotMatrixPrinter	1	9350	9350
		1	7100	7100
4	24 PORT Switch 10/100UnmanagedD-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	AirConditioner2.0TonMakeGodrej	1	55350	55350

NameofLaboratory:SoftwareComputingLaboratory

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Sr No	Name of Equipment with specification	Total Quantity	RatePerQty	TotalAmount
1	LENEVODESKTOPPC INTELCOREDUOCPU2.66GHZ 1014 MB RAM 3MB L2 CACHE 8USBPORTSG31CHIPSET WithWindowsVistalicense	33	26634.65	878943.45
2	LenovodesktopPC Ram 4 GB I3Processor,HDD1TB,18.5LED Display,1GBgraphicscard,Keyboard ,Mouse,OSWindows10withLicense	10	65136	651360
3	LenovodesktopPC Ram 4 GB I3Processor,HDD1TB,18.5LED Display,1GBgraphicscard,Keyboard ,Mouse,OSWindows10withLicense	7	66906	468342
4	LenovodesktopPC Ram 4 GB I3Processor,HDD1TB,19.5LED Display,1GBgraphicscard,Keyboard ,Mouse,OSWindows10withLicense	7	65873	461114
5	DesktopPC RAM2GB I2Processor,,Keyboard ,Mouse, OS Windows 7 with License	1	48390	48390
6	SWITCH24PortDlinkswitch	2	16995	33990
7	UPS 7.5 KVA 30 MIN BACKUP, ONLINE SINEWAVE TECHNO VISION	1	80868	80868
8	PRINTER EPSONLX300+II[2]	1	7100	7100

Laboratory:AdvancedSoftwareLaboratory

Sr. No.	NameofEquipmentwithSpecification	Total Quantity	Rate per Quantity	TotalAmount
1	DESKTOP COMPUTER MAKELENEOVO CORE I3,HDD 500GB	1	32550	32550
2	DESKTOP COMPUTER MAKELENEOVO CORE I3,HDD 500GB	6	48390	290340
3	LENOVODESKTOPPC,3MB CACHE, 1066MHZ,4GB1333FSB,INTELCORE DUO,1014MB 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:4GBRAM, 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	UPS7.2KVAONLINEPURE	1	80868	80868
7	UPS7.2KVAONLINEPURE	1	135285	135285
8	EPSONDOTMATRIX300+	1	6491	6491
9	EPSONDOTMATRIX300+	2	7100	14200
10	EPSONLXDOTMATRIX300+II	1	7100	7100
11	D-LINKSWITCH24PORT(GB)	2	16995	33990
			Total	2382970.9

NameofLaboratory:Hardware&MicroprocessorLaboratory

Sr. No.	NameofEquipmentwithSpecification	Total Quantity	Rate per Quantity	Total Amount
1	MicrocontrollerKit PIC16F877MicrocontrollerKit	1	4050.00	4050.00
2	8086Kit Ansuman8086 Kit	2	7312.50	14625.00
3	TrainerKit DigitalTrainerKit.	4	5484.00	21936.00
4	Microcontroller 8051MicrocontrollerKit	5	5250.00	26250.00
5	C.R.OScientech(Model:Caddo803)	2	16400.00	32800.00
6	8255Interfacingkitwith8086	12	1600.00	19200.00
7	SuccessiveapproximationADC	5	1000.00	5000.00
8	DualslopeADC	12	1000.00	12000.00
9	DigitaltoAnalogConverterCard	5	1000.00	5000.00
10	Steppermotorkit	12	1800.00	21600.00
11	8253kit	6	1600.00	9600.00
12	8279KB/displayKit	6	1600.00	9600.00
13	8251kit	20	1600.00	32000.00
14	8259kit	12	1600.00	19200.00
15	8086processors	10	9000.00	90000.00
16	DigitaltoAnalogConvertercard	5	1000.00	5000.00
17	AnalogtoDigitalConvertercard	5	1000.00	5000.00
18	Steppermotor	5	1800.00	9000.00
19	CRO30MHz2channel,4Traceoscilloscope	2	14175.00	28350.00
20	8253Kit Shouldoperateineachmode,mode0tomode6	8	1935.00	15480.00

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21	8279K/BDisplay Kit. Displaycharactersinrightentrymode,left entry, Rolling display, Flashing display.	8	2407	19256.00
22	8251Kit Communicationshouldpossiblebetweentwo 8251 in asynchronous mode.	8	1960	15680.00
23	8259Kit Interfacewith8086,shouldoperateincascade mode.	8	2134.00	17072.00
24	8086MicroprocessorTrainerKit	10	8436.00	84360.00

ListofMajorEquipment/FacilityineachLaboratory/Workshop(InformationTechnology)

Name	Specification	Qty
Desktop Computer	Acer Veriton M200,G31,CORE 2 QUAD 2.3 GHZ M/B INTEL ORIGINAL,320 GB HDD SATA,2GBDDR2,18.5"LCDMON. K/B, OPTICAL MOUSE	34
Desktop Computer	LENOVOMakeIntelE7500Core2Duo2.93GHz,2GBDDR-II SDRAM, Extendable upto 8GB, 320GB SAT A HDD, cache memory 3MB L2 cache, DVD R/Wdrive, 18.5" TFT Display, Multimedia keyboard, Optical Scroll mouse,10/100/1000 LAN, 56 Kbps PCI Modem, Audio chipset, Realtek AL C888S, Video interface, , OSWindows7businessalongwithpaperlicenseswith starter kit.	64
Desktop Computer	LENOVOMakeIntelE7500Core2Duo2.93GHz,2GBDDR-II SDRAM, Extendable upto 8GB, 320GB SAT A HDD, cache memory 3MB L2 cache, DVD R/Wdrive, 18.5" TFT Display, Multimedia keyboard, Optical Scroll mouse,10/100/1000 LAN, 56 Kbps PCI Modem, Audio chipset, Realtek AL C888S, Video interface, , OSWindows7businessalongwithpaperlicenseswith starter kit.	7
Desktop Computer	Desktop Computer,Lenovo Think CentreProcessors:Corei34th Gen, Motherboard: Compatible to core i3 Processor, HDD: 500 GB HDD RAM: 4 GB RAM, Graphics Card: 1GB Graphics Card,Display: 19.5" LED DisplayScreen,DVDRWDrive,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	LENOVOMakeIntelE7500Core2Duo2.93GHz,2GBDDR-'	5
Desktop Computer	Desktop Computer,Lenovo Think CentreProcessors:Corei34th Gen, Motherboard: Compatible to core i3 Processor, HDD: 500 GB HDD RAM: 4 GB RAM, Graphics Card: 1GB Graphics Card,Display: 19.5" LED DisplayScreen,DVDRWDrive,SMPS with Cabinet, Keyboard: USB Multimedia Keyboard, Mouse:USB Optical Mouse, Operating System: Preloaded Windows 8.1 Professional License Warranty: 3 years onsite	10

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Desktop Computer	Desktop Computer,Lenovo Think CentreProcessors:Corei34th Gen, Motherboard: Compatible to core i3 Processor, HDD: 500 GB HDD RAM: 4 GB RAM, Graphics Card: 1GB Graphics Card,Display: 19.5” LED DisplayScreen,DVDRWDrive,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	EpsonDotMatrixprinterLX-300+II	1
Server	IBM Procorsor.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 7.2KRPM SATA II Hard drives Non Hotplug On-Board SATA Controller Min 1 Max.2SATA hard Drives 0 Dual port Network 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	PrinterHPLaserHP1007LJ	1
Printer	PrinterHPLaserHP1007LJ	1
Printer	PrinterHPLaserHP1008LJ	7
Printer	PrinterRicohSP 2003	3
Scanner	HPScanJet 4010	2
LCD Projecter	SonyMakeVPLDX-120	2
LCD Projecter	SonyMakeVPLDX-220	1
UPS	10KVAOnlineUPS	1
UPS	20KVAOnlineUPS	1
UPS	7.5KVAOnlineUPS	2
A.C	AirConditionar	1
LAP TOP	Note Book Lenovo think pad E450 20DDA0421G 15/4GB/1TB/12GBC/W8.1/P600FXFD,PG00FXFG	1
UPS	UPS7.5KVA	1
Firewall	CRI-0300iNG-Xp-01	1
Software	FirewallSoftware	1
Switch	Cisco48portSwitch(S4300-52)	10
Speasker	IntexmmSpeasker 2.1	1
TV	SmartTVL.G165.1.cm4kSmartUHDTV	1
ISRSwitch	CiscoISR1100(8Port)	1
Tablet	SamsungTablet	1
Laser Printers	PrinterHPLasere1000	2
ColorPrint e	EPSONColorL3110	1
Scanner	Scanner	1
LCD Projecter	SonyMakeVPLDX-221	1

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

Sr No	Items	Qty	Date of 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	Labview Software (10 Users)	01	23/01/2008	2,71,700.00	2,71,700.00
4	Arbitrary waveform Generator (Protec 9340)	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	ElectroPneumatic 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 withControlpanel	01	29/03/09	2,47,500.00	2,47,500.00
22	ProcessCalibrator	01	14/03/2010	1,40,625.00	1,40,625.00
23	Universal Process controlTrainer	01	29/09/2014	7,74,000.00	7,74,000.00
24	MicrologixPLCAllen Brandly 1766 L32BXB	01	16/5/17	61,200.00	61,200.00
25	VWSB015AENE FactoryTalk	01	16/5/17	1,88,500.00	1,88,500.00
26	VWSTEN E-FactoryTalk Enterprise	01	16/5/17	2,27,000.00	2,27,000.00
28	DeadWeightTester	01	06/01/07	57,971.00	57,971.00
29	VibrationTester	01	29/03/09	54000.00	54000.00
30	Leveltrainer Loop	01	11/12/2014	87750.00	87750.00
31	FlowtrainerLoop	01	11/12/2014	2,60,437.00	2,60,437.00
32	UniversalICTester	01	2/09/2017	56,600/-	56,600/-

ListofMajorEquipment/FacilityineachLaboratory/Workshop(AIDS)

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Sr No	Name of Laboratory	Name of Equipment	Manufacturer	Model no	Important technical Specifications
1	DataStructures and Algorithms Lab	Lenovo Computer	Lenovo	MT-M 10AS-A011IG	lenovo M71E, processor core i3, 3.3Mhz,3MBcache, motherboard compatibility:-i3HDD :-500GBSATA, RAM:-4GBDDR3, 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,3MBcache, motherboard compatibility:-i3HDD :-500GBSATA, RAM:-4GBDDR3, 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	DataStructures Lab	Lenovo Computer	Lenovo	MT-M 10AS-A011IG	lenovo M71E, processor core i3, 3.3Mhz,3MBcache, motherboard compatibility:-i3HDD :-500GBSATA, RAM:-4GBDDR3, 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)

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Sr.No	Particular
1	AntennaSystemAnalyzer (850MHz-1300MHz)
2	AntennaTraininglab (5 MHz-to-2 GHz)
3	RFSpectrumAnalyzer (9KHzto3GHz)
4	OpticalTimeDomainReflectormeter
5	OpticalDectetorCharacteristics
6	Electrical&OpticalCharacteristicsofdifferentlightsources
7	3GMobiletrainerKit
8	1300nmledchar.Kit \$1300nmOpticalPowermeter
9	TVELabsetup
10	61/2digitdigitalMultimeter
11	AnteenaTrainerSystem (Amtech Make)
12	ArbitraryFunction/waveformgenerator
13	MixedsignalOscilloscope
14	2651AUnderstandingLEDTelevision
15	StudyApplicationDataAcquisitionSystem--2311
16	AsixForteUniversalincircuitUSBProgrammer(kit)
17	UVExposure/Ironuvexposureemachine
18	PCBPrTOTYPEMachine-Nvis72-
19	TinaDesignSuitDesignSuit(withPCBDesign)
20	PTHforDoublesided-ElectroplatingSystem
21	TektronixDigitalOscilloscope2channel70Mhz
22	LGSmartTV

ListofMajorEquipment/FacilityineachLaboratory/Workshop(EngineeringScience)

Sr No	Name of Laboratory	NameofEquipment	Manufacturer	Model no	Important technical Specifications
1	SME Lab	VehicleSystemEngine Chasi	Infetech		
2	SME Lab	ModelofWindow	Infetech		
3	SME Lab	WindowAirConditioner	Infetech		
4	SME Lab	3DPrinterMolding Technology	Infetech		
5	SME Lab	ModelofCompressor	Infetech		
6	SME Lab	ModelofImpalesWheel Turbine	Infetech		
7	SME Lab	PowerTrainSystem	Infetech		
8	Engineering Physics	Halleffectsetup	SamitEnterprises AvonElectronics		
9	Engineering Physics	He-NeLaser	SamitEnterprises		Wavelength :632.8nm

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			Souravsantific		,OutputPower :10.0mW Beam Diameter (1/e ²):0.80 mm
10	Engineering Physics	He-NeLaser	SouravSantific		Max. displacement of the reflector : 20 mmRequired Quantity of liquid:10c.c. LeastCountof micrometer: 0.01mm/0.00 1mm
11	Engineering Physics	UltrasonicInterferometer	OrientalScientific Instuments		Laser,He-Ne 1.0mW,220 V
12	Engineering Physics	LawofMalus	VHSElectronic		
13	Engineering Physics	GaussView05for Windows	ScubeScientific		
14	Workshop	DrillingMachine	JHEnterprizes		
15	Workshop	TurningMachine	JHEnterprizes		
16	Workshop	CNCmilling	XtremeEquipment Pvt Ltd		
17	Workshop	CNCturning	XtremeEquipment PvtLtd		
18	Chemistry	pH-meter	EQUIPTronics	EQ-610	Digit LED DisplayDigital PhMeter,For Laboratory, 1 Kg
19	Chemistry	Colorimeter	EQUIPTronics	EQ-650A	230VAC+- 10%50Hz,10 VA
20	Chemistry	DigitalBalance	HighPrecision	PGB-200	0to200gm
21	Chemistry	DigitalConductivitymeter		Table Model-611,M ake-EI	using Latest microcontrolle r, Auto Ranging (5 rangsfrom200 us to 1000ms

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Sr. No.	Name Experimental Setup	Equipment required
Drives and Power Electronics Laboratory		
1	Static V characteristic of SCR	SCR characteristic kit, Power scope, Multi meter.
2	Static V 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, Multimeter, Tachometer, Power scope.
8	Study of electrical braking of 3 phase 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 Flipflops, 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. (IC 7490/7493).	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	Breadboard 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, monostable multivibrator.	Trainer kit, Monostable multivibrator and astable multivibrator exp panel, CRO, Stop watch, Connecting probes
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	Design:8decoderforbinarytooctaldecoding	TrainerKit,ConnectingProbes IC 7404 , IC 7408
23	Designdigitalclockorstopwatch using decade counter.(IC74192)	TrainerKit,ConnectingProbes IC 74192
PowerSystemLaboratory BasicElectricalLaboratory		
1	MeasurementofABCDparametersofa medium transmission line	Mediumtransmissionlinepanel,Ammeter, Voltmeter, Wattmeter, Autotransformer
2	MeasurementofABCDparametersofa long transmission line	Longtransmissionlinepanel,Ammeter, Voltmeter, Wattmeter, Autotransformer
3	Plotting of receiving end circle diagramto evaluate performance of medium transmissionline	Mediumtransmissionlinepanel,Ammeter, Voltmeter, Wattmeter, Autotransformer
4	Study of the effect of VAR compensation using capacitor bank.	Longtransmissionlinepanel,Ammeter, Voltmeter, Wattmeter, Autotransformer
5	To study safety precautions while working on electrical systems, handlingofvarious equipment's such as multimeter, ammeters, voltmeters, wattmeter's, real life resistors, inductors and capacitors	AC&DCAmmeter AC&DCvoltmeter AC/DC wattmeter Resistor Inductor Capacitor
6	To calculate and measure of charging and discharging of capacitor and observe the response on storage oscilloscope.	RCSeriesCircuitKit CRO, MultimeterFunction Generator 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.	RLSeriesCircuitKit RCSeriesCircuit Kit CRO,Multimeter,Patchchord,Probe Function Generator ACmilliammeter
8	To derive resonance frequency and analyze resonance in series RLC circuit.	RLCSeriesCircuit Kit Function Generator, CRO, Multimeter, Patch chord , Probe
9	To verify KVL and Superposition theorem	DualPowerSupply KVLKit,SuperpositiontheoremKit
10	To verify Thevenin's theorem in a DC network	Dual Power Supply Thevenin'stheoremKit
11	To measure insulation resistance of electrical equipment's/cable using Megger	Megger Resistivematerials
12	To demonstrate different types of electrical protection equipmentssuch as fuses, MCB, MCCB, ELCB	MCB MCCB ELCB
13	Study of switch gear testing kit.	SwitchgearTestingkit
14	Study of Fuse, MCB & their testing.	SwitchgearTestingkit MCB150kA, I _{cm} =10kA, 240V/415V, C10
15	Study & testing of contactors.	Switchgear Testing kit, Contactor 220V, Rated Current for Resistive load AC1 = 30 Highly inductive AC3 = 10, Autotransformer :0-270V, 1KVA Voltmeter(0-300V) AC

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16	Study&testingofACB.	SwitchgearTestingkit ACB:CN-CS400,In=400A Ve=415V50/60Hz,I _{cu} =36.6KA I _{cs} = 36.6KA, I _{cw} = 25KA Utilizationcategory-B
17	Study&testingofthermaloverloadrelay.	Switchgear Testing kit, Thermal Overload Relay : Start and Off or reset Control contacts : 500V, 50Hz, 2A, Maxfuse-6A, Power contacts : 660V, 50Hz, L&T MN2,Contactor:MN12Wcontactor3Ph, 415V,12A,7.5KW
18	Percentage differential protection of transformer.	Percentagedifferentialprotectionpanelfor 3Phpowertransformer
19	Protectionofalternator.	Percentagedifferentialprotectionpanelfor alternator
20	ProtectionofTransmissionlineusing Impedancerelay.	Longtransmissionlinemodel
21	TodetermineSteadystatestabilityof medium transmission line	LongTransmissionLinemodel,Ammeter, Voltmeter, Wattmeter
MicroprocessorandControlSystemsLaboratory PLC&SCADALaboratory		
1	Experimental determination of DC servo motor parameters for mathematical modeling, transfer function and characteristics.	DCservomotorkit,Connectingprobes,Multimeter,Tachometer
2	Experimental study of timeresponse characteristicsofR-L-Csecondorder system: Validation using simulation.	Variableresistor,Inductor,Capacitor,
3	Transferfunctionofanyphysicalsystems(AC Servomotor/Two Tank System/Temperaturecontrol/levelControl)	Transferfunctionofanyphysicalsystems
4	StudyofSynchroTransmitterreceiver	SynchroTransmitterreceiver
5	ExperimentalanalysisofD.C.Position Control System	DCpositioncontrol KIT
6	Interfacing of lamp & button withPLCfor ON & OFF operation. Verify all logic gates.	ProgrammableLogicController(PLC)with software Builtinpowersupply
7	Set/Resetoperation:onepushbuttonfor ON & other push button for OFF operation.	InputPower-120/240VAC, 24VDC, Battery backup
8	Delayedoperationoflampbyusingpush button.	Memory – Non volatilebatterybackedRAM, 10K
9	UP/DOWN counter with RESET instruction.	20DigitalInputs–(12)Fast24VDC,(8) Normal 24V DC
10	Combination of counter & timer for lamp ON/OFF operation.	12DigitalOutputs
11	PLCbasedthermalON/OFFcontrol.	2AnalogInputs&2AnalogOutputs Serial Ports - RS 232, RS485
12	PLCinterfacedwithSCADA&status read/command transfer operation.	Ethernet Ports – (1) 10/100 EtherNet/IP port LEDs/Indicator lamps, Push buttons, Switches
13	ParameterreadingofPLCinSCADA.	PLCSoftware–RSLogix500
14	AlarmannunciationusingSCADA.	SCADASoftware–FactoryTalkViewStudio
15	Reporting&trendinginSCADAsystem.	Computer – Lenovo
16	TanklevelcontrolbyusingSCADA.	System – Microsoft Windows XP
17	TemperaturemonitoringbyusingSCADA.	Professional, Version 2002

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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 wattmeter methods (balanced & unbalanced loads).	Three-phase auto transformer, wattmeters, LOAD and respective meters
4	Measurement of active & reactive power in three phase balanced circuit using one wattmeter 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, Auto transformer
23	Verification of Thevenin's theorem in A.C. circuits.	Rheostat, AC Ammeter, AC voltmeter, Auto transformer
24	Verification of Reciprocity theorem in A.C. circuits	Inductive load bank, Capacitive load bank, Voltmeter, Auto transformer, 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 and discharging 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 circuits using diodes.	Resistor, DC source, Diode, CRO, Multimeter, Function Generator
31	Programming 8051 using Keil	Keil IDE
32	Presentation Skills	Computer lab with MS powerpoint
33	Listening skills	Virtual Lab

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34	BusinessCommunication	VirtualLab
35	i) IntroductiontoMPLAB.ii)Programson Addition, Subtraction and Multiplication	MPLABSoftware
36	Data transfertoport	MPLABSoftwareandPIC18f458kitandPICKIT3 programmer
37	Timer, Counter,Delayprogramming	MPLABSoftwareandPIC18f458kitandPICKIT3 programmer
38	Interfacing18F458toSwitchand LED	MPLABSoftwareandPIC18f458kitand PICKIT3programmer
39	InterfacingDCmotorwithPIC18F458	MPLABSoftwareandPIC18f458kitandPICKIT3 programmer ,
40	InterfacingStepper motorwithPIC 18F458	MPLABSoftwareandPIC18f458kitand PICKIT3programmer
41	InterfacingofLCD[16X2]withPIC 18F458	MPLABSoftwareandPIC18f458kitandPICKIT3 programmer
42	Generation of square, positive ramp, negativerramp,triangularwaveformsusing DACinterface	MPLABSoftwareandPIC18f458kitandPICKIT3 programmer
43	InterfacingLM35withPIC18F458and display temperature on it.	MPLAB Software andPIC18f458kit, PICKIT3 programmer Dc motor kit
44	Blinkingdisplayofledusing Arduino	ArduinoIDE
45	Studyofenergymanagementtool	PC
46	Studyofbuildingcodes(greenbuilding)	PC
47	AnalysisandinterpretationofElectricity Bills - College campus	PC
48	Assessment and calculations of energy generated by Solar PV available in college campus	PQAnalyser PC
49	Use ofPowerAnalyserformeasurementof electrical parameters useful for energyaudit or power quality audit.	PQAnalyser PC
50	Calculation of energy savings in Illumination	PC
51	UseofSMAPEEforHomeAudit(Beyond Syllabus)	SMAPEE PC
52	Study of power quality analyzer and measurement of voltage, current, powerand power factor using it.	PQAnalyser PC
53	Measurementofharmonicdistortionof various Equipments such as UPS /AC/DC drive	PQAnalyser PC
54	Harmoniccomplianceofinstituteasper IEEE519-2014standardandsizingof active filter.	PQAnalyser PC
55	Power quality audit of institute or department.	PQAnalyser PC
56	Harmonic analysis of transformer for various conditions (no load, inrush, full load etc.)	PQAnalyser PC
57	Analysis of performance of induction motor/transformer operatedwithsinusoidal supplyandunderdistortedsupply conditions suppliedby3phaseinverter.	PQAnalyser 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 plot b) 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 RL load for 120° and 180° 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 (3 phase , 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 (3 phase , 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.	TURBOC, Computer and Printer

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16	Solution of atranscendentalequationusing Bisection method.	TURBOC,ComputerandPrinter
17	Programforinterpolation using Newton's forwardinterpolation	TURBOC,ComputerandPrinter
18	ProgramforinterpolationusingLagrange's interpolation.	TURBOC,ComputerandPrinter
19	Solution of firstorderODEusing4thorder RK method	TURBOC,ComputerandPrinter
20	SolutionofNumericalIntegrationusing Simpson's (1/3) rd rule.	TURBOC,ComputerandPrinter
21	Solutionofsimultaneousequationusing Jacobimethod	TURBOC,ComputerandPrinter
22	TofindlargestEigenvalueusingPower method.	TURBOC,ComputerandPrinter
23	Tofindinverseofmatrix&Tofind bestfit curve for given data using MATLAB	MATLAB,ComputerandPrinter
24	Single Line diagram of 132 or 220 or 400 kV substation (based on actual field visit) Symbols, Plate or Pipe earthing	ComputerLab.WithAutocadsoftware
25	Estimation for 11 kV feeders and substation.	Alab.Withblackboardandchalkwith calculatorsforcalculations.
26	Assignment on design of earthing grid for 132/220 kV substation.	Alab.Withblackboardandchalkwith calculators for calculations.
27	Measurement of DielectricAbsorption Ratio and Polarization Index of insulation.	3phasepowercapacitor,Meggar(Automated)
28	Study of thermograph images and analysis based on these images.	ComputerlabwithThermographysoftware (Testo) installed
29	Design first order high pass and low pass filterusingOPAMPinanyopensource software.	PSIM/MultisimSoftware
30	Design three bit full adder using any open source software	PSIM/MultisimSoftware
31	FormulationandcalculationofY-bus matrix of a system	MATLABSoftware
32	Solutionofaloadflowproblemusing Gauss-Seidalmethod	EDSASoftware
33	Solutionofaloadflowproblemusing Newton-Raphson method	EDSASoftware
34	ToplotswingcurvebyPointbyPoint method for transient stability analysis	MATLABSoftware
35	To apply equal area criteria for analysis stability under sudden rise in mechanical power input.	MATLABSoftware
36	Tostudyreactivepowercompensation usinganydevice	MATLABSoftware
37	To study Lagrange multipliertechiquefor economic load dispatch	MATLABSoftware
38	To develop dynamic programming method for unit commitment	MATLABSoftware
39	Tostudyloadfrequencycontrolusing approximateandexactmodel	MATLABSoftware

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40	To study load frequency control with integral control	MATLABS Software
41	To study the two area load frequency control	MATLABS 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 connection of load.	3 Phase 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 (5HP, 220V, 19 A, 1500RPM), D.C. Voltmeter (0-300V), D.C. Ammeter (0-2 A), Rheostat (750 Ω , 1.2A), (300 Ω , 1.7 A), 3 Point Starter, Tachometer.
14	Brake test on DC Shunt Motor.	D.C Shunt motor (220V, 19A, 1500RPM, 5 HP with pulley & hand brake arrangement), D.C. Voltmeter (0-300V), 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 (3 ϕ , 415V), Rheostat (750 Ω , 1.7A), 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 (0-300V), 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	O.C. S.C. 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), (5 Amp, 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 \emptyset (1 kva, 230/115v), AC Ammeter (0-10A, 0/20A), AC Voltmeter (0-300 v, 0-150 v), Lamp Bank (1 \emptyset , 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, leatheroid, 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, nichromewire, 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 ($\tan \delta$) 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 3 bit 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 314 Name of Subject: Employability Skill Development		

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1	IntroductionofSelf/SWOCAnalysis	--
2	CareerGoalsandPlanning	--
3	GroupDiscussion	--
4	TeamBuildingActivities	--
5	PublicSpeaking	--
6	MockInterviews	--
7	ListeningandReadingSkills	--
8	WritingSkills	--
9	LateralandCreativeThinking	--
10	PresentationSkills	--

Sr. No.	NameExperimentalSetup	Equipmentrequired
LabNo:206 NameofSubject:ElectronicsSkillDevelopmentLaboratory		
1	GroupA:ApplicationofElectronics Principles in Practice ElectronicComponentsandConnections (Bread boarding)	ElectronicComponents,Breadboard
2	Introduction and applications using Arduino and micro python	Arduino Uno Board ,Breadboard – half size, Jumper Wires, USB Cable, LED (5mm) ,Push buttonswitch,10kOhmResistor,220Ohm 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	WirelessConnectivitytoArduino	Arduino Uno Board ,Breadboard – half size, Jumper Wires, USB Cable, LED (5mm),LDR,LM35,Servo Motor.
5	Group B :Hardware Design,Fault Finding,Testing,RepairandMeasuring DrawinglayoutofPCBusingPCBdesign software	PCBdesignsoftwareEAGLE
6	SinglelayerPCBdesignforasimple electronic Circuit	Multisim/Proteus
7	Usingtestequipmentfortesting,fault finding & repair etc	CRO, Spectrum Analyzer,CROProbes, Function generator etc.
8	Use of measuring equipment for measurement of signals	CRO, Spectrum Analyzer,CROProbes, Function generator etc.
9	UsingSimulationsoftwarefordesign& 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 device 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, Lab
9	<u>To Study Torque- speed characteristic of 3 phase induction motor</u>	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 webpage(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.	NameExperimentalSetup	Equipmentrequired
LaboratoryNo303 NameofSubject:Principlesofcommunicationsystem		
1	AMGenerationDSB-FCCalculationofmodulation indexbygraphicalmethod	--
2	Frequencymodulator & demodulator using Varactor Diode and NE 566 VCO	--
3	Verification of Sampling Theorem, PAM Techniques Natural , Flat top sampling reconstruction oforiginal signal	--
4	GenerationandDetectionofPWMusingIC555	--
5	StudyofPCM	--
6	StudyofCommanded PCM	--
7	StudyofDMGenerationandddetection	--
8	StudyofADMGenerationandddetection	--
9	Studyoflinecodes	--
10	VerifySamplingTheoremusingsimulation	--
11	Demonstratescramblinganddescramblingoperation on Falstad	--
12	SimulationofAM	--

Sr. No.	NameExperimentalSetup	Equipmentrequired
LaboratoryNo;-308NameofSubject:AdvancedProcessor		
1	In InterfacingLPC2148withGLCDtodisplay image on it OR GGPIOconfigurationandcontrolwithsimple LEDexamplenTIVATM4C123GPlatform	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	UUsingUARTofLPC2148forserialreception and transmissionfrom/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	InterfacingGSMwithLPC2148forsendingand 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,EclipseIDE,FlashMagic Utility

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4	InterfacingGPSwithLPC2148forfindingcurrent 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	Usingbuilt-inADCofLPC2148for displayingitsvalues(Programmingbuilt-in ADCwith interrupt and without interrupt) OR Programmingofon chipADCanddisplaying converteddigitalvaluesonHyperTerminalon TIVA Platform	Educational practice board for ARM7 LPC2148,AllinOnegeneralPurpose Board(ASK25),+9VPowersupply, USBAtobtypecable,20pinFlat cable,PC,EclipseIDE,FlashMagic Utility
6	InterfacingSDcardtoLPC2148using 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,EclipseIDE,FlashMagic Utility
7	IntroductiontoProgramingenvironmentwith CCS and Tiva library	Tivalibrary
8	DSPBasedExperiments(Theprogramsmaybe written in assembly language, C language and combination of both) Convolution(LinearandCircular)	PC CodeComposerStudioCCSv5or CCSv6 Powersupply(+5V) EPB_C6748 Emulatorwithemulatorcable
9	DiscreteFourierTransformUsingFFTAlgorithm	PC CodeComposerStudioCCSv5or CCSv6 Powersupply(+5V) EPB_C6748 Emulatorwithemulatorcable
10	Interfacingof7segmentLEDtoLPC2148.	Educational practice board for ARM7 LPC2148, All in One general Purpose Board (ASK25),+9VPowersupply,USB A to Btypecable,20pinFlatcable,PC, Eclipse IDE, Flash Magic Utility

Sr. No.	NameExperimentalSetup	Equipmentrequired
LaboratoryNo316Subject:VLSIDesign&Technology		
1	4 bit ALU foradd,subtract,AND,NAND,XOR,XNOR,OR,& ALU pass.	PCwithwindowsXP,Xilinx8.1 software,FPGA(XC3S400)kit, JTAG cable.
2	Universal shift register with modeselectioninputforSISO, SIPO, PISO, & PIPO Modes.	PCwithwindowsXP,Xilinx8.1 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	SMPSTrainer 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 IC 74LS153 & Verify its Truth Table. b. Design & Implement the given 4 variable function using IC 74LS153. 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 using IC-74LS83. b. Design and Implement 4-bit Binary subtractor 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-Flipflop.	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 IC 74HC191 / IC 74HC193. 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 / IC 74LS95 (Use right shift/ left shift). b. Design and Implement 4-bit Ring Counter/ Twisted ring Counter using shift registers IC 74HC194 / IC 74LS95.	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 calls 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: 308 Name 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: 307 Name 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 uses 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: 307 Name 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: Scatter plot, Bar chart, Line chart, Histogram. Other Graphs: Box plot, Heatmap, Faceting, Pair plot.	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 <ul style="list-style-type: none"> • Turning categorical variables into quantitative variables in Python 	
4	Statistical Data Analysis: Probability. Sampling & Sampling Distributions. <ul style="list-style-type: none"> • Hypothesis Testing 	Google Colaboratory
5	Exploratory Data Analysis: Descriptive Statistics. Group By in Python. Correlation. Correlation–Statistics. <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • Prediction and Decision Making 	Google Colaboratory

Sr. No.	Name Experimental Setup	Equipment required
Lab No: 307 Name of Subject: Database Management		
1	Study of Open Source Relational Databases: MySQL	MYSQL software
2	Design and develop at SQL DDL statements which demonstrate the use of SQL objects such as Table, View, Index, Sequence and Synonym.	MYSQL software
3	Design and develop at least 5 SQL queries for suitable database application using SQL DML statements: Insert and Select with operators and functions.	MYSQL 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.	MYSQL software
5	Design and develop at least 5 SQL queries for suitable database	MYSQL software

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	applicationusingSQLDMLstatements:alltypesofJoin and Sub-Query.	
6	WriteaPL/SQLblockofcodeforthefollowingrequirements:- Schema:1.Borrower(RollNo.,Name,Date ofIssue,NameofBook,Status)2.Fine(RollNo,Date, Amt.)	MYSQL software
7	Frame these separate problem statement for writing PL/SQL block to implement all types of Cursors in line with above statement.The problem statements should clearly state the	MYSQL software
8	PL/SQL Stored Procedure and Stored Function.	MYSQL software
9	Frame the problem statement for writing Database Triggers of all types, in-line with above statement.The problem statements should clearly state the requirements.	MYSQL software
10	Implement MYSQL/Oracle database connectivity with PHP/python/Java Implement Database navigation operations (add, delete, edit,) using ODBC/JDBC.	MYSQL 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	MYSQL software
12		

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

Sr. No.	NameExperimentalSetup	Equipmentrequired
LabNo:307NameofSubject:DataStructures		
1	BridgetheGAP:WriteaCProgramtoimplementSwitch Case	Computer
2	Perform following String operations with and without pointerstoarrays(withoutusingthelibraryfunctions): a.substringb.palindrome.c.compared.copye.reverse	Computer
3	ImplementDatabaseManagementusingarrayofstructures with operations Create, Display, Modify, Append, Search and Sort. (For any database like Employee or Bank databasewithandwithoutpointerstostructures)	Computer
4	ImplementStackandQueueusingarrays.	Computer
5	Createasinglylinkedlistwithoptions: a. Insert(atfront,atend,inthemiddle) b. Delete(atfront,atend,inthemiddle) c. Displayd.DisplayReversee.ReverttheSLL	Computer
6	ImplementBinarysearchtreewithoperationsCreate, search, and recursive traversal.	Computer
7	ImplementGraphusingadjacencyMatrixwith BFS & DFS traversal.	Computer
8	Implementstackandqueueusinglinkedlist.	Computer
9	Addtwopolynomialusinglinkedlist.	Computer
10	Evaluatepostfixexpression(inputwillbepostfix expression).	Computer
11	ImplementCircularLinkedListwithvariousoperations.	Computer
12	BeyondSyllabus:ImplementStaticstorageclassinc.	Computer

Sr. No.	NameExperimentalSetup	Equipmentrequired
SUBJECT:InformationTheory,CodingandCommunicationNetworks		
1	Write a program for determination of various entropies and mutual information of a given channel. Test various types of channel such as a) Noisefreechannel. b) Errorfreechannel c) Binarysymmetricchannel d) Noisychannel Comparechannelcapacityofabovchannels	CLanguageSetUp

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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.	CLanguageSetUp
3	b. Write a program for Huffman Coding and decoding or Lempel Ziv Coding and decoding	MatlabSoftware
4	Write a Program for coding & decoding of Linear block codes.	MatlabSoftware
5	Write a Program for coding & decoding of Cyclic codes.	MatlabSoftware
6	Write a program for coding and decoding of convolutional codes.	MatlabSoftware
7	Write a program for coding and decoding of BCH or RS codes.	MatlabSoftware
8	Study of Networking Components and LAN.	MatlabSoftware
9	Write a simulation program to implement ARQ techniques	CLanguageSetUp
10	Application of MATLAB to coding theory and learning basic commands of MATLAB.	MatlabSoftware
11	Learning basic model designs with Simulink	MatlabSoftware

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 DHT11 sensor to Arduino UNO & to display the humidity and temperature on serial monitor window.	Arduino UNO, DHT11, PC with 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.	ESP8266 Wi-Fi 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.	ESP8266 Wi-Fi 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)	ESP8266 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 shell scripting on UNIX/LINUX	
3	Write C Program to implement Lexical Analyzer for simple arithmetic operation	
4	Design of PASS I software assembler for pseudomachine code.	
5	Design of a MACRO PASS-I	
6	Implement Job scheduling algorithms: FCFS, SJF	
7	Implement Banker's 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 call to list files, directories	
11	Implementation of System call to handle process	

Sr.No.	Name Experimental Setup	Equipment required
Lab No: 308, 316, 307 Name of Subject: Mobile Communication		
1	Perform an experiment to explain PSTN TST switch. -S.m.p	Kit
2	Write 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://seeedoc.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	Setup 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 MS JK 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.	DesignandimplementSequencegenerator (for Prime Number/odd and even) using MS JK flip-flop.	DigitalTrainerKit/DELDSIMSimulator
13.	Study of Shift Registers(SISO,SIPO,PISO,PIPO)	DigitalTrainerKit/DELDSIMSimulator
14.	<u>Beyond the Syllabus: Mini Project basedontheConceptsofDigitalElectronicsa ndLogic Design</u>	DigitalTrainerKit/DELDSIMSimulator

Sr.No.	NameExperimentalSetup:DBMSLab	Equipmentrequired
Laboratory:ProgrammingLaboratory(502)		
DBMSLaboratory(SEM-I)		
1	ERModelingandNormalization.	ERDTool
2	DesignanddevelopeSQLDDLstatementswhichdemonstrate the use of SQL objects such as Table, View, Index, Sequence, Synonym. Designatleast10SQLqueriesforsuitable database application using SQL DML statements: Insert,Select,Update,Deletewithoperators,functionandset operators.	MySQL
3	Designatleast10SQLqueriesforsuitable database application using SQL DML statements: alltypesofJoins,Sub-Queryand View	MySQL
4	UnnamedPL/SQLcodeblock:UseofControlstructureand Exception handling is mandatory. WriteaPL/SQLblockofcodeforfollowingrequirements:- Schema : 1. Borrower(Rollin,Name,DateofIssue,NameofBook,Status) 2. Fine(Roll_no,Date,Amt) a. Acceptroll_noandnameofbookfromuser. b. Checkthenumberofdays(fromthedateofissue),if days are between 15 to 30 then fine amount Rs. 5 per day. c. Ifnumberofdays>30perdayfinewillbeRs.50. d. Aftersubmittingthebook,statuswillchangefromIto R. e. Ifconditionforthefineistrue,thendetailswillbestored into Fine table. FrametheproblemstatementforwritingPL/SQLblockinline with above statements	MySQL
5	PL/SQL Stored Procedures and Stored Function. WriteaStoredProcedurenamelyproc_Gradeforthe categorization of student. If marks scored by students in examination is<=1500 and marks>=990thenstudentwillbeplacedin'Distinction'category. Ifmarksscoredarebetween989and900categoryis'Firstclass'. If marks are between 899 and 825 category is 'Higher Second Class'. WriteaPL/SQLblockforusingprocedurecreatedwithabove requirements. Stud_Marks(name,total_marks) Result (Roll, Name, Class)	MySQL

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6	<p>Cursors: (Alltypes:Implicit,Explicit,CursorFORloop,Parameterized Cursor) WriteaPL/SQLblockofcodeusingparameterizedCursor,that will merge the data available in the newly created table N_RollCall with the data available in the table O_RollCall. Ifthedatainthefirsttablealreadyexistinthesecondtablethen the data should be skipped. FrametheseparateproblemstatementforwritingPL/SQL block to implement all types of Cursors inline with above statements.Theproblemstatementshouldclearlystatethe requirements.</p>	MySQL
7	<p>DatabaseTrigger(Alltypes:Row-levelandStatement-level triggers, Before and After triggers). WriteadatabasetriggeronLibrarytable. The system should keep track of the records that are being updatedordeleted.Theoldvalueofupdatedordeletedrecords should be added in Library_Audit table. FrametheproblemstatementforwritingDatabaseTriggersof all types, inline with above statement. The problem statement should clearly state the requirements.</p>	MySQL
8	DatabaseConnectivity	MySQL
9	DesignanddevelopMongoDBQueriesusingCRUDoperations. (Use CRUD operations, SAVE method, logical operators)	MongoDB
10	Implementaggregationandindexingwithsuitableexampleusing MongoDB	MongoDB
11	ImplementMapreducesoperationwithsuitableexampleusing MongoDB	MongoDB
12	DatabaseConnectivityusingMongoDB	MongoDB
13	MiniProject	Mysql/MongoDB

Sr.No.	NameExperimentalSetup	Equipmentrequired
Laboratory:ProgrammingLaboratory(502)		
LaboratoryPracticeII(SEM–II)		
1	<p>GroupA Implement depth first search algorithm and Breadth FirstSearchalgorithm, Use an undirected graph and developarecursivealgorithmforsearchingall the vertices of a graph or tree data structure</p>	<p>Desktop Computer Processor: Core i3 Processor RAM4GB OS:Ubuntu Tools: C++/Java/ Python</p>
2	ImplementAstarAlgorithmforanygamesearchproblem.	<p>Desktop Computer Processor: Core i3 Processor RAM4GB OS:Ubuntu Tools: C++/Java/ Python</p>
3	<p>ImplementGreedysearchalgorithmforanyofthefollowingapplication: I.SelectionSort II.MinimumSpanningTree</p>	<p>Desktop Computer Processor: Core i3 Processor</p>

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	<p>III. Single-Source Shortest Path Problem</p> <p>IV. Job Scheduling Problem</p> <p>V. Prim's Minimal Spanning Tree Algorithm</p> <p>VI. Kruskal's Minimal Spanning Tree Algorithm</p> <p>VII. Dijkstra's Minimal Spanning Tree Algorithm</p>	<p>RAM 4GB</p> <p>OS: Ubuntu</p> <p>Tools: C++/Java/Python</p>
4	<p>Group B</p> <p>Implement a solution for a Constraint Satisfaction Problem using Branch and Bound and Backtracking for n-queens problem or a graph coloring problem.</p>	<p>Desktop Computer</p> <p>Processor: Core i3</p> <p>Processor</p> <p>RAM 4GB</p> <p>OS: Ubuntu</p> <p>Tools: C++/Java/Python</p>
5	<p>Develop an elementary cat boat for any suitable customer interaction application.</p>	<p>Desktop Computer</p> <p>Processor: Core i3</p> <p>Processor</p> <p>RAM 4GB</p> <p>OS: Ubuntu</p> <p>Tools: C++/Java/Python</p>
6	<p>Group C</p> <p>Implement any one of the following Expert System</p> <p>I. Information management</p> <p>II. Hospitals and medical facilities</p> <p>III. Help desks management</p> <p>IV. Employee performance evaluation</p> <p>V. Stock market trading</p> <p>VI. Airlines scheduling and cargo schedules</p>	<p>Desktop Computer</p> <p>Processor: Core i3</p> <p>Processor</p> <p>RAM 4GB</p> <p>OS: Ubuntu</p> <p>Tools: C++/Java/Python</p>
7	<p>Cloud Computing</p> <p>Case study on Microsoft Azure to learn about Microsoft Azure is a cloud computing platform and infrastructure, created by Microsoft, for building, deploying and managing applications and services through a global network of Microsoft-managed data centers.</p> <p>OR</p> <p>Case study on Amazon EC2 and learn about Amazon EC2 web services.</p>	<p>Desktop Computer</p> <p>Processor: Core i3</p> <p>Processor</p> <p>RAM 4GB</p> <p>OS: Ubuntu</p> <p>Tools: C++/Java/Python</p>
8	<p>Installation and configure Google App Engine. OR</p> <p>Installation and Configuration of virtualization using KVM.</p>	<p>Desktop Computer</p> <p>Processor: Core i3</p> <p>Processor</p> <p>RAM 4GB</p> <p>OS: Ubuntu</p> <p>Tools: C++/Java/Python</p>
9	<p>Creating an Application in Salesforce.com using Apex programming Language.</p>	<p>Desktop Computer</p> <p>Processor: Core i3</p> <p>Processor</p> <p>RAM 4GB</p> <p>OS: Ubuntu</p> <p>Tools: C++/Java/Python</p>
10	<p>Design and develop custom Application (Mini Project) using Salesforce Cloud.</p>	<p>Desktop Computer</p> <p>Processor: Core i3</p> <p>Processor</p> <p>RAM 4GB</p> <p>OS: Ubuntu</p>

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		Tools: C++/Java/ Python
11	Mini-Project 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 Processor: Core i3 RAM 4GB 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 Processor: Core-i3 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 Processor: Core-i3 4GB RAM/1 TB HardDisk, Linux OS Lex and Yacc Tools
3	Generate and populate appropriate Symbol Table	Desktop Processor: Core-i3 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 Processor: Core-i3 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 Processor: Core-i3 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 Processor: Core-i3 4GB RAM/1 TB HardDisk, Linux OS Lex and Yacc Tools
7	Implementation of Instruction Scheduling Algorithm.	Desktop Processor: Core-i3 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 Processor: Core-i3

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	CopyPropagation,Dead-CodeElimination,Loop and Basic-Block Optimizations. (Optional)	4GBRAM/1 TB HardDisk, Linux OS LexandYaccTools
9	Mini-Project 1: Implement POS tagging for simple sentences written Hindi or any Indian Language	Desktop Computer- Core-i3processor 4GBRAM/1 TB HardDisk, Linux OS, Python Tool ,NLTKlibrary
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 writeyour own code for cloud controller using open source technologieswithoutHDFS.Implementthe 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, Hadoop 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 writeyour own code for cloud controller using open source technologies to implement with HDFS. Implement the basic operations may be like to dividethefileinsegments/blocksandupload/downloadfileon/fromcloudinencryptedform	Desktop Computer- Core-i3processor 4GB RAM/1 TB HardDisk, Linux OS, Hadoop tool, ,Mongo DB tool, Mapreduce tool, Linux OS

Sr.No.	NameExperimentalSetup	Equipmentrequired
Laboratory:MicroprocessorLab(502)		
1.	Bridge the Gap Assignment ALPtoaccept macro for accessing the data from useranddisplayingthedataonoutput screen.	NASM64bit Software,Ubuntu OS
2.	Write an X86 ALP to accept five 64 bit Hexadecimalnumbersfromuserandstore them in an array and display the accepted numbers.	NASM64bit Software,Ubuntu OS
3.	WriteanX86/64ALPtoacceptastring and to display its length.	NASM64bit Software,Ubuntu OS
4.	WriteaswitchcasedrivenX86/64ALPto perform 64-bit hexadecimal arithmetic operations(+,-,*,/)usingsuitablemacros. Defineprocedureforeachoperation.	NASM64bit Software,Ubuntu OS
5.	Write an X86/64 ALP to count number of positive and negative numbers from the array.	NASM64bit Software,Ubuntu OS
6.	WriteX86/64ALPtoperform non-overlapped block transfer without string specific instructions. Block containingdatacanbedefinedinthedata segment.	NASM64bit Software,Ubuntu OS
7.	WriteX86/64ALPtoperformoverlapped block transfer with string specific instructionsBlockcontainingdatacanbe	NASM64bit 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).	NASM64bit 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	NASM64bit 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 the code.	NASM64bit 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	NASM64bit Software, Ubuntu OS
12.	Content Beyond Syllabus- Call C Function in ASM Program	NASM64bit 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, 4GB RAM, 500GB Hard Disk Operating System Ubuntu 20.04 LTS Software package: Python.

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	<table border="1"> <thead> <tr> <th>Number of hours spent driving (x)</th> <th>Risk score on a scale of 0-100 (y)</th> </tr> </thead> <tbody> <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> </tbody> </table>		Number of hours spent driving (x)	Risk score on a scale of 0-100 (y)	10	95	9	80	2	10	15	50	10	45	16	98	11	38	16	93	
	Number of hours spent driving (x)	Risk score on a scale of 0-100 (y)																			
10	95																				
9	80																				
2	10																				
15	50																				
10	45																				
16	98																				
11	38																				
16	93																				
2	<p>Assignment on Decision Tree Classifier:</p> <p>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]?</p>	<p>Desktop PC Core i3, 4GB RAM, 500GB Hard Disk</p> <p>Operating System Ubuntu 20.04 LTS</p> <p>Software package: Python.</p>																			
3	<p>Assignment on k-NN Classification:</p> <p>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</p>	<p>Desktop PC Core i3, 4GB RAM, 500GB Hard Disk</p> <p>Operating System Ubuntu 20.04 LTS</p> <p>Software package: Python.</p>																			
4	<p>Assignment on K-Means Clustering:</p> <p>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</p> <ol style="list-style-type: none"> 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? 	<p>Desktop PC Core i3, 4GB RAM, 500GB Hard Disk</p> <p>Operating System Ubuntu 20.04 LTS</p> <p>Software package: Python.</p>																			
5	<p>Content Beyond syllabus: Optical Character Recognition</p>	<p>Desktop PC Core i3, 4GB RAM, 500GB Hard Disk</p> <p>Operating System Ubuntu 20.04 LTS</p> <p>Software package: Python.</p>																			
6	<p>Mini-Project I on SVM:</p> <p>Apply the Support vector machine for classification on a dataset obtained from</p>	<p>Desktop PC Core i3, 4GB RAM, 500GB Hard Disk</p> <p>Operating System Ubuntu 20.04 LTS</p>																			

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	UCI ML repository. For Example: Fruits Classification or Soil Classification or Leaf Disease Classification	Software package: Python.
7	BridgetheGap: Caesar Cipher Technique	Desktop PC Core i3, 4GB RAM, 500GB Hard Disk Operating System Ubuntu 20.04 LTS Software package: Python.
8	Implementation of S-DES	Desktop PC Core i3, 4GB RAM, 500GB Hard Disk Operating System Ubuntu 20.04 LTS Software package: Python.
9	Implementation of S-AES	Desktop PC Core i3, 4GB RAM, 500GB Hard Disk Operating System Ubuntu 20.04 LTS Software package: Python.
10	Implementation of Diffie-Hellman key exchange	Desktop PC Core i3, 4GB RAM, 500GB Hard Disk Operating System Ubuntu 20.04 LTS Software package: Python.
11	Implementation of RSA	Desktop PC Core i3, 4GB RAM, 500GB 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 attacks as well as the Cross-Site Scripting attacks.	Desktop PC Core i3, 4GB RAM, 500GB 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, 4GB RAM, 500GB 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, 4GB RAM, 500GB Hard Disk Operating System Ubuntu 20.04 LTS Software package: MySQL.

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3	<p>Designate at least 10 SQL queries for suitable database application using SQL DML statements: Insert, Select, Update, Delete with operators, functions, and set operator.</p>	<p>Desktop PC Core i3, 4GB RAM, 500GB Hard Disk Operating System Ubuntu 20.04 LTS Software package: MySQL.</p>
4	<p>Designate at least 10 SQL queries for suitable database application using SQL DML statements: all types of Join, Sub-Query and View.</p>	<p>Desktop PC Core i3, 4GB RAM, 500GB Hard Disk Operating System Ubuntu 20.04 LTS Software package: MySQL.</p>
5	<p>Unnamed PL/SQL code block: Use of Control structure and Exception handling is mandatory. Write a PL/SQL block of code for the following requirements:- Schema: 1. Borrower (Rollin, Name, Date of Issue, Name of Book, 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 5 per 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.</p>	<p>Desktop PC Core i3, 4GB RAM, 500GB Hard Disk Operating System Ubuntu 20.04 LTS Software package: MySQL.</p>
6	<p>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_Roll Call with the data available in the table O_Roll Call. If the data in the first table already exists in the second table then that data should be skipped. Frame these separate problem statements for writing PL/SQL block to implement all types of Cursors in-line with above statement. The problem statements should clearly state the requirements.</p>	<p>Desktop PC Core i3, 4GB RAM, 500GB Hard Disk Operating System Ubuntu 20.04 LTS Software package: MySQL.</p>

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7	<p>PL/SQL Stored Procedure and Stored Function.</p> <p>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 899 and 825 category is Higher Second Class</p> <p>Write a PL/SQL block for using procedure created with above requirement. Stud_Marks(name, total_marks) Result(Roll, Name, Class) Frame the separate problem statement for writing PL/SQL Stored Procedure and function, in line with above statement. The problem statements should clearly state the requirements</p>	<p>Desktop PC Core i3, 4GB RAM, 500GB Hard Disk</p> <p>Operating System Ubuntu 20.04 LTS</p> <p>Software package: MySQL.</p>
8	<p>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.</p> <p>Frame the problem statement for writing Database Triggers of all types, in line with above statement. The problem statement should clearly state the requirements.</p>	<p>Desktop PC Core i3, 4GB RAM, 500GB Hard Disk</p> <p>Operating System Ubuntu 20.04 LTS</p> <p>Software package: MySQL.</p>
9	<p>Study of Open Source NoSQL Database: MongoDB (Installation, Basic CRUD operations, Execution)</p>	<p>Desktop PC Core i3, 4GB RAM, 500GB Hard Disk</p> <p>Operating System Ubuntu 20.04 LTS</p> <p>Software package: MongoDB.</p>
10	<p>Design and Develop MongoDB Queries using CRUD operations. (Use CRUD operations, SAVE method, logical operators)</p>	<p>Desktop PC Core i3, 4GB RAM, 500GB Hard Disk</p> <p>Operating System Ubuntu 20.04 LTS</p> <p>Software package: MongoDB.</p>
11	<p>Implement aggregation and indexing with suitable example using MongoDB.</p>	<p>Desktop PC Core i3, 4GB RAM, 500GB Hard Disk</p> <p>Operating System Ubuntu 20.04 LTS</p> <p>Software package: MongoDB.</p>
12	<p>Implement Map reduce operation with suitable example using MongoDB.</p>	<p>Desktop PC Core i3, 4GB RAM, 500GB Hard Disk</p> <p>Operating System Ubuntu 20.04 LTS</p> <p>Software package: MongoDB</p>
13	<p>Design and Implement any 5 query using MongoDB</p>	<p>Desktop PC Core i3, 4GB RAM, 500GB Hard Disk</p> <p>Operating System Ubuntu 20.04 LTS</p> <p>Software package: MongoDB</p>

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14	Createsimpleobjectsandarray objects using JSON	DesktopPCCorei3,4GBRAM,500GB Hard Disk Operating System Ubuntu 20.04 LTS Softwarepackage:JAVA,JSON,XML
15	WriteaprogramtoimplementMongoDB database connectivity with PHP/ py-thon/Java ImplementDatabasenavigationoperations (add, de-lete, edit etc.) using ODBC/JDBC.	DesktopPCCorei3,4GBRAM,500GB Hard Disk Operating System Ubuntu 20.04 LTS Software package: JAVA, MongoDB, ODBC/JDBC.
16	ImplementMYSQL/Oracleda-tabase connectivity with PHP/ python/Java Implement Data-base navigationoperations(add,de-lete,edit,) using ODBC/JDBC.	DesktopPCCorei3,4GBRAM,500GB Hard Disk Operating System Ubuntu 20.04 LTS Software package: JAVA, MySQL, ODBC/JDBC.

Sr.No.	NameExperimentalSetup	Equipmentrequired
Laboratory:SoftwareLaboratory(506)		
WebTechnologyLab(SEM-II)		
1	ContenttoBridge:BasicDDL&DML commands	Mysql,Corei3,500GbSATAHDRAM: 4GB RAM, Windows 10 operating system
2	Casestudy: Before coding of the website planning is important students should visit different websites for the different client projects Andnotedownevaluationresults	Google Chrome / Internet Explorer, Core i3, 500Gb SATA HD RAM: 4GB RAM, Windows10operatingsystem
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, Windows10operatingsystem
4	Design the XML document to store the information of the employees of any business organization and demonstrate the use of: a) DTD b) XMLSchema 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) IncludeJavascriptvalidation c) Use of prompt and alert window using Java Script e.g., Design and implement a simple calculator using Java Script for operations likeaddition,multiplication,subtraction,	EclipseIDE/Netbeans,Corei3,500GbSATAHDRAM:4GBRAM,Windows10 operatingsystem

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	<p>division, square of number etc.</p> <p>a) Design calculator interface like text field for input and output, buttons for numbers and operators etc.</p> <p>b) Validate input values Prompt/alerts for invalid values etc.</p>	
6	<p>Implement the sample program demonstrating the use of Servlet.</p> <p>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</p>	Eclipse IDE/Netbeans, Core i3, 500Gb SATA HD RAM: 4GB RAM, Windows 10 operating system
7	<p>Implement the program demonstrating the use of JSP.</p> <p>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.</p>	Eclipse IDE/Netbeans, Core i3, 500Gb SATA HD RAM: 4GB RAM, Windows 10 operating system
8	<p>Design a login page with entries for name, mobile number, email id and login button. Use struts and perform following validations</p> <p>a. Validation for correct names</p> <p>b. Validation for mobile numbers</p> <p>c. Validation for email id</p> <p>d. Validation if no entered any value</p> <p>e. Re-display for wrongly entered values with message</p> <p>Congratulations and welcome page upon successful entries</p>	Eclipse IDE/Netbeans, Core i3, 500Gb SATA HD RAM: 4GB RAM
9	<p>Design an application using Angular JS.</p> <p>e.g., Design registration (first name, last name, username, password) and login page using Angular JS..</p>	Eclipse IDE/Netbeans, MySQL Core i3, 500Gb SATA HD RAM: 4GB RAM, Windows 10 operating system
10	<p>Design and implement a business interface with necessary business logic for any web application using EJB.</p> <p>e.g., Design and implement the web application logic for deposit and withdraw amount transactions using EJB</p>	Eclipse IDE/Netbeans, MySQL Core i3, 500Gb SATA HD RAM: 4GB RAM, Windows 10 operating system
11	<p>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</p>	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 i3,500GbSATA HD RAM:4GBRAM,Windows10operating system
LaboratoryProgramming-IV(SEM-II)		
1	ImplementaLexicalAnalyzer	Ubuntu 20, Core i3, 500Gb SATA HD RAM: 4GB RAM,
2	Implementaparserforanexpression grammarusingYACCandLEX	Ubuntu 20, Core i3, 500Gb SATA HD RAM: 4GB RAM
3	Generate andPopulateappropriateSymbol Table	Ubuntu 20, Core i3, 500Gb SATA HD RAM: 4GB RAM
4	ImplementSemanticAnalysisOperations	Ubuntu20,Corei3,500GbSATAHDRAM: 4GB RAM
5	Generatethethreeaddresscodefora simple language	Ubuntu 20, Core i3, 500Gb SATA HD RAM: 4GB RAM
6	CodegenerationusingRegisterAllocation	Ubuntu 20, Core i3, 500Gb SATA HD RAM: 4GB RAM
7	CodegenerationofInstructionScheduling Algorithm	Ubuntu20,Corei3,500GbSATAHDRAM: 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)	Ubuntu 20, Core i3, 500Gb SATA HD RAM: 4GB RAM
9	Implement POS tagging for simple sentences written Hindi, English or any Indian Language.	Ubuntu 20, Core i3, 500Gb SATA HD RAM: 4GB RAM
10	Installationandconfigurationofown Cloud	Ubuntu20,Mysql,Corei3,500GbSATA HDRAM:4GBRAM
11	Implementation of Virtualization in Cloud Computing to Learn Virtualization Basics, Benefits of Virtualization in Cloud usingOpenSource Operating System.	Ubuntu 20 ,Mysql,Corei3,500GbSATAHD RAM: 4GB RAM
12	WriteaprogramforWebfeedusingPHP andHTML.	PHP,HTML,Corei3,500GbSATAHD RAM:4GBRAM
13	Case study on Amazon EC2tolearnabout 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,Corei3,500GbSATAHD 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, differentservices provided byit.	Ubuntu 20 ,Mysql,Corei3,500GbSATAHD RAM: 4GB RAM
LaboratoryProgrammingI(SEM-I)		

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1	Vector and Matrix Operations Design parallelalgorithmtoadd Two large Vectors ,multiply Vector and Matrix	Ubuntu 20, Core i3, 500Gb SATA HDRAM: 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 HDRAM: 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 HDRAM: 4GB RAM
4	Design and implement parallel algorithm utilizingallresourcesavailable.ForBinary Search for Sorted Array	Ubuntu 20, Core i3, 500Gb SATA HDRAM: 4GB RAM
5	Design and implementDepth-FirstSearch (tree or an undirected graph) , Breadth-First Search (tree or an undirected graph).	Ubuntu 20, Core i3, 500Gb SATA HDRAM: 4GB RAM
6	Use heuristic search technique to implement best first search andA* algorithm	Ubuntu20,Corei3,500GbSATAHDRAM: 4GB RAM
7	Use Heuristic Search Techniques to ImplementHill-ClimbingAlgorithm	Ubuntu20,Corei3,500GbSATAHDRAM: 4GB RAM
8	Use heuristic search technique to implement N-Queen problem.	Ubuntu 20, Core i3, 500Gb SATA HDRAM: 4GB RAM
9	DownloadIrispatternflowerdataset & analysisit..usepython.	Ubuntu20,Corei3,500GbSATAHDRAM: 4GB RAM
10	DownloadPIMAIndiandiabetes.Load datafromcsvfile& splitintwoparts	Ubuntu20,Corei3,500GbSATAHDRAM: 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 HDRAM: 4GB RAM
12	Write a program that interacts with the weather database. Find the day and the stationwiththemaximumsnowfallin 2013	Ubuntu 20, Core i3, 500Gb SATA HDRAM: 4GB RAM
13	Write a program to find repeating element in an array (duplicate elements)	Ubuntu 20, Core i3, 500Gb SATA HDRAM: 4GB RAM
SystemProgramming&OperatingSystemLaboratory(SEM-1)		
1	Design suitable data structures and implement pass-I of a two-pass assemblerforpseudomachineinJava using object-oriented feature. Implementationshouldconsistofafew instructions from each category andfewassemblerdirectives.	EclipseIDE,Corei3,500GbSATAHD RAM: 4GB RAM
2	ImplementPass-IIoftwo 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.	EclipseIDE,Corei3,500GbSATAHD 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 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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Sr.No.	NameExperimentalSetup	Equipmentrequired
Laboratory:ComputerNetworkandSecurityLab(507)		
1	SetupawiredLANusingLayer2Switch. Itincludespreparationofcable,testingof cable usingline tester, configuration machine using IP addresses, testing using PINGutilityanddemonstratingthePING packets captured traces using Wireshark PacketAnalyzerTool.	DesktopComputer,Corei3processor,4GB RAM Tools:Wireshark
2	Demonstrate the different types of topologiesandtypesoftransmission media by using a packettracer tool.	DesktopComputer,Corei3processor,4GB RAM Tools:Wireshark/CISCOpackettracer
3	Write a program for error detection and correctionfor7/8bitsASCIIcodesusing HammingCodes or CRC.	DesktopComputer,Corei3processor,4GB RAM Software:Java
4	WriteaprogramtosimulateGobackN and Selective Repeat Modes of Sliding WindowProtocolinPeer-to-Peermode.	DesktopComputer,Corei3processor,4GB RAM Software:Java
5	Write a program to demonstrate Sub-nettingandfindsubnetmasks.	DesktopComputer,Corei3processor,4GB RAM Software:Java
6	Writeaprogramtoimplementlinkstate /Distancevectorroutingprotocoltofind suitable path for transmission.	DesktopComputer,Corei3processor,4GB RAM Software:Java
7	UsepacketTracertoolforconfiguration of 3 router network using one of the followingprotocolRIP/OSPF/BGP.	DesktopComputer,Corei3processor,4GB RAM Tools:Wireshark/CISCOpackettracer
8	WriteaprogramusingTCPsocketfor wired network for following a. SayHellotoEachother b. Filetransfer c. Calculator	DesktopComputer,Corei3processor,4GB RAM Software:Java
9	WriteaprogramusingUDPSocketsto enablefiletransfer(Script,Text,Audio and Video one fileeach)betweentwomachines	DesktopComputer,Corei3processor,4GB RAM Software:Java
10	WriteaprogramforDNSlookup.Given an IP address as input, it should return URL and vice-versa.	DesktopComputer,Corei3processor,4GB RAM Software:Java
11	InstallingandconfigureDHCPserverand write a program to install the software on remote machine	DesktopComputer,Corei3processor,4GB RAM Software:Java
12	Capture packets using Wireshark, write theexactpacketcapturefilterexpressions to accomplish the following and save the output in file: 1. Capture all TCP traffic to/from Facebook,duringthetimewhenyoulog in to your Facebook account 2. CaptureallHTTPtrafficto/from	DesktopComputer,Corei3processor,4GB RAM Tools:Wireshark

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	Facebook,whenyoulogintoyour Facebook account 3. Write a DISPLAY filter expression to count all TCP packets (captured under item #1) that have the flags SYN, PSH, andRSTset.Showthefractionofpackets that had each flag set. 4. Count how many TCP packets you receivedfrom/senttoFacebook,and how many of each werealsoHTTPpackets	
13	StudyandAnalyzezetheperformanceof HTTP,HTTPSandFTPprotocolusing Packet tracertool	DesktopComputer,Corei3processor,4GB RAM Tools:Wireshark
14	TostudytheIPsec(ESPandAH)protocol bycapturingthepacketsusingWireshark tool	DesktopComputer,Corei3processor,4GB RAM Tools:Wireshark

Sr.No.	NameExperimentalSetup	Equipmentrequired
Laboratory:MicroprocessorLaboratory(507)		
1	Bridge the Gap Assignment ALPtoaccept macro for accessing the data from user and displaying the data on output screen.	DesktopComputer,Corei3processor,4GB RAM Tools:UBUNTU,NASM
2	Write an X86 ALP to accept five 64 bit Hexadecimalnumbersfromuserandstore them in an array and display the accepted numbers.	DesktopComputer,Corei3processor,4GB RAM Tools:UBUNTU,NASM
3	WriteanX86/64ALPtoacceptastring and to display its length.	DesktopComputer,Corei3processor,4GB RAM Tools:UBUNTU,NASM
4	WriteaswitchcasedrivenX86/64ALPto perform 64-bit hexadecimal arithmetic operations(+,-,*,/)usingsuitablemacros. Defineprocedureforeachoperation.	DesktopComputer,Corei3processor,4GB RAM Tools:UBUNTU,NASM
5	Write an X86/64 ALP to count number of positive and negative numbers from the array.	DesktopComputer,Corei3processor,4GB RAM Tools:UBUNTU,NASM
6	WriteX86/64ALPtoperform non-overlapped block transfer without string specific instructions. Block containingdatacanbedefinedinthedata segment.	DesktopComputer,Corei3processor,4GB RAM Tools:UBUNTU,NASM
7	WriteX86/64ALPtoperformoverlapped block transfer with string specific instructions Block containing data can be definedinthedatasegment.	DesktopComputer,Corei3processor,4GB RAM Tools:UBUNTU,NASM
8	Write X86/64 ALP to perform multiplicationoftwo8-bithexadecimal	DesktopComputer,Corei3processor,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 the code.	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++/Python
2	Implement A star Algorithm for any game search problem	Desktop Computer, Core i3 processor, 4GB RAM Software: Java/Python
3	Implement Greedy search algorithm for any of the following application: Selection Sort/Minimum	Desktop Computer, Core i3 processor, 4GB RAM Software: Java/C/C++/Python

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	Spanning	
	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 graph coloring problem.	Desktop Computer, Core i3 processor, 4GB RAM Software: Java/Python
5	Develop an elementary chatbot for any suitable customer interaction application.	Desktop Computer, Core i3 processor, 4GB RAM Software: Java/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 SUBJECT: DATA STRUCTURES LABORATORY CLASS: SE COMP		
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 of class Highest score and lowest score of class Count of students who were absent for the test Display mark with highest frequency	Lenovo Desktop PC 4GB RAM 500GB HDD, Core i3 Processor Python IDE PyCharm

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2	Write a Python program to compute following operations on String: To display word with the longest length To determine the frequency of occurrence of a particular character in the string To check whether given string is palindrome or not To display index of first appearance of the substring To count the occurrences of each word in a given string	Lenovo Desktop PC 4GB RAM 500GB HDD, Core i3 Processor Python IDE Pycharm
3	Write a python program that determines the location of a saddle point of matrix if one exists. An $m \times n$ 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 500GB HDD, Core i3 Processor Python IDE Pycharm
4	Write a python program to compute following computation on matrix: Addition of two matrices Subtraction of two matrices Multiplication of two matrices Transpose of a matrix	Lenovo Desktop PC 4GB RAM 500GB HDD, Core i3 Processor Python IDE Pycharm
5	Write a python program to store roll numbers of student in an array who attended training program in random order. Write function for searching whether particular student attended training program or not, using Linear search and Sentinel search.	Lenovo Desktop PC 4GB RAM 500GB HDD, Core i3 Processor Python IDE Pycharm
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 in phonebook	Lenovo Desktop PC 4GB RAM 500GB HDD, Core i3 Processor Python IDE Pycharm
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 in phonebook	Lenovo Desktop PC 4GB RAM 500GB HDD, Core i3 Processor Python IDE Pycharm
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 five scores	Lenovo Desktop PC 4GB RAM 500GB HDD, Core i3 Processor Python IDE Pycharm

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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 500GB HDD, Core i3 Processor Gedit editor on Ubuntu Codeblock for C++ on windows
	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 even secretary. Compute total number of members of club Display members Two linked lists exist for two divisions. Concatenate two lists.	
10	Write C++ program for storing binary number using doubly linked lists. Write functions- To compute 1's and 2's complement Add two binary numbers	Lenovo Desktop PC 4GB RAM 500GB 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 dan is in a 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 using stack To check whether given string is palindrome or not	Lenovo Desktop PC 4GB RAM 500GB HDD, Core i3 Processor Gedit editor on Ubuntu Codeblock for C++ on windows

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Laboratory: Advanced Software Laboratory (508)		
SEM I		SUBJECT: OOP/CGLABORATORY
CLASS: SE COMP		

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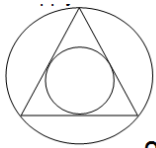
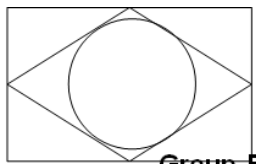
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1	BridgetheGap:Differencebetween Object Oriented Programming & Procedural Oriented Programming	Linux OS, 64 Bit Quad Core Processor, [PracticalareimplementedusingEclipse Editor]
2	Implement a class Complex which represents the Complex Number datatype. 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.	[PracticalareimplementedusingEclipse Editor] Linux OS, 64 Bit Quad Core Processor,
3	Develop a program in C++ to create a database of student's information system containing the 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 suitable member functions. Make use of constructor, default constructor, copy constructor, destructor, static member functions, friend class, this pointer, inline code and dynamic memory allocation operators - new and delete as well as exception handling.	[PracticalareimplementedusingEclipse 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.	[PracticalareimplementedusingEclipse 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 reads the information from the file.	[PracticalareimplementedusingEclipse Editor] Linux OS, 64 Bit Quad Core Processor,

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6	Write a function template for selection sort that inputs, sorts and outputs an integer array and a float array.	[Practical are implemented using Eclipse Editor] Linux OS, 64 Bit Quad Core Processor,
7	Write C++ program using STL for sorting and searching user defined records such as personal records (Name, DOB, Telephone number etc) using vector container. OR Write C++ program using STL for sorting and searching user defined records such as Item records (Item code, name, cost, quantity etc) using vector container.	[Practical are implemented using Eclipse Editor] Linux OS, 64 Bit Quad Core Processor,
8	Write a program in C++ to use map associative container. The keys will be the names of states and the values will be the populations of the states. When the 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 of encapsulation. <div style="text-align: center;">  <p>OR</p> </div> <p>Write C++ program to draw the following pattern. Use DDA line and Bresenham's circle drawing algorithm. Apply the concept of encapsulation.</p> <div style="text-align: center;">  <p>Group - F</p> </div>	[Practical are implemented using Eclipse Editor] Linux OS, 64 Bit Quad Core Processor,

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10	Write C++ program to draw a concave polygon and fill it with desired color using scan fill algorithm. Apply the concept of inheritance.	[Practical are implemented using Eclipse Editor] Linux OS, 64 Bit Quad Core Processor,
11	Write C++ program to implement Cohen Sutherland 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 of fractals. OR Write C++ program to generate Hilbert curve using concept of fractals. OR Write C++ program to generate fractal patterns by using Koch curves.	[Practical are implemented using Eclipse Editor] Linux OS, 64 Bit Quad Core Processor,
Group C		

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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 using OpenGL. 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 and Sunset.	[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 the concept of polymorphism.	[Practical are implemented using Eclipse Editor] Linux OS, 64 Bit Quad Core Processor,
	OR 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. OR Write a C++ program to implement the game Tic Tac Toe. Apply the concept of 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 500GB HDD, Core i3 Processor Gedit editor on Ubuntu Codeblock for C++ on windows

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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 500GB HDD, Core i3 Processor Python IDE PyCharm
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 500GB HDD, Core i3 Processor Python IDE PyCharm
	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 500GB 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 500GB 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 500GB 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 500GB HDD, Core i3 Processor Gedit editor on Ubuntu Codeblock for C++ on windows

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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 takes 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 500GB HDD, Core i3 Processor Gedit editor on Ubuntu Codeblock for C++ on windows
9	Given sequence $k = k_1 < k_2 < \dots < k_n$ of n sorted keys, with a search probability p_i for each key k_i . Build the Binary search tree that has the least search cost given the access probability for each key?	Lenovo Desktop PC 4GB RAM 500GB HDD, Core i3 Processor Gedit editor on Ubuntu Codeblock for C++ on windows
10	Implement the Heap/Shell sort algorithm implemented in Java demonstrating heap/shell data structure with modularity of programming language	Lenovo Desktop PC 4GB RAM 500GB 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 maintain the data.	Lenovo Desktop PC 4GB RAM 500GB 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 500GB 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 500GB HDD, Core i3 Processor Gedit editor on Ubuntu Codeblock for C++ on windows

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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	Bridgethegap	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 software
	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.	
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 wireframe: 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	CMStool: 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)

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1	Design and implement 4-bit BCD to Excess-3 code	Digital trainer kit, Patchcords, ICs
2	Design and implement 1 digit BCD adder using IC 7483	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 IC 7490. (N=100max)	Digital trainer kit, Patchcords, ICs
8	Design & simulate single bit ALU with four functions (AND, OR, XOR, ADD).	Virtual Lab
9	Design & simulation of single instruction CPU.	Virtual Lab
Subject-3: Computer Lab- VIII		Class:-BE(SEM-I)
1	Write Problem Statement for System/Project Identify Project of enough complexity, which has at least 4-5 major functionalities. Identify stakeholders, actors and write detail problem statement for your system.	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz 2GB DDR Softwares: Ubuntu S, 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 UML 2.0 notations.	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz 2GB DDR Softwares: Ubuntu S, Visual Paradigm
3	Prepare Activity Model Identify Activity states and Action states. Draw Activity diagram with Swimlanes using UML 2.0 Notations for major Use Cases	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz 2GB DDR Softwares: Ubuntu S, Visual Paradigm
4	Prepare Analysis Model-Class Model Identify Analysis Classes and assign responsibilities. Prepare Data Dictionary. Draw Analysis class Model using UML 2.0 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 S, 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 UML 2.0 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 S, Visual Paradigm

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6	PrepareSequenceModel. Identify atleast5majorscenarios(sequenceflow)foryoursystem.DrawSequence Diagram for every scenario by using advanced notations using UML2.0 Implementthesescenariosbytakingreferenceofdesignmodelimplementation using suitable object-oriented language.	ardware: LENOVO ake Intel E7500 ore 2 Duo 2.93 GHz 2GB DDR oftwares: Ubuntu S, Visual Paradigm
7	PrepareaStateModel 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	ardware: LENOVO ake Intel E7500 ore 2 Duo 2.93 GHz 2GB DDR oftwares: Ubuntu S, Visual Paradigm
8	IdentificationandImplementationofGRASPpattern 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	ardware: LENOVO ake Intel E7500 ore 2 Duo 2.93 GHz 2GB DDR oftwares: Ubuntu S, Visual Paradigm
9	IdentificationandImplementationofGOFpattern	ardware: LENOVO ake Intel E7500 ore2Duo2.93GHz 2GB DDR
	ApplyanytwoGOFpatternrefineDesignModelforagivenproblemdescription Using effective UML 2 diagrams and implement them with a suitable object oriented language	oftwares: Ubuntu S, Visual Paradigm

	Subject-4:SoftSkillLab	Class:-SE(SEM-I)
1	IntroductionofoneselfandperformSWOCanalysis.	CwithMSWord
2	Writethedifferencebetweenajobandacareer.Elaboratestepsonhowto plan a career.	CwithMSWord
3	Writesthestepstoplanshorttermandlongtermsgoals.	CwithMSWord
4	Prepareaspeechforanytopicofyourchoiceonrecenthappenings in the country.	CwithMSWord
5	Towriteareviewofanyeditorialarticle.	CwithMSWord
6	GroupDiscussion.	CwithMSWord
7	Todemonstratereadingskills.	CwithMSWord
8	Todemonstratelisteningskills.	CwithMSWord
9	TowriteaformalletterandResume.	CwithMSWord
10	Toperformposterpresentationactivityinteam.	CwithMSWord
11	ToPreparePPTpresentation.	CwithMSPowerPoint
12	ToGivePPTpresentation.	CwithMSPowerPoint

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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	Bridging the gap: To develop application through implementing client-server communication programs based on Java Sockets	PC, Printer, UPS and Linux OS Eclipse or NetBeans, Java
2	Develop any distributed application through implementing client-server communication programs based on Java Sockets and RMI techniques.	PC, Printer, UPS and Linux OS Eclipse or NetBeans, Java
3	Develop any distributed application using Message Passing Interface (MPI).	PC, Printer, UPS and Linux OS Eclipse or NetBeans, Java
4	Develop any distributed application with CORBA program using JAVAIDL	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 Microservices framework based distributed application.	PC, Printer, UPS and Linux OS Eclipse or NetBeans, Java

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9	Beyond Syllabus.: Implement a small Distributed application to share file using GUI	PC, Printer, UPS and Linux OS Eclipse or NetBeans, Java
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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, sed etc. B. Write a program to implement an address book with options given 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 Core2Duo 2.93GHz ,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 Core2Duo 2.93GHz ,8GB DDR
	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 Core2Duo 2.93GHz ,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 Core2Duo 2.93GHz ,8GB DDR Softwares: Linux Operating System Ubuntu
5	Implement the C program for Deadlock Avoidance Algorithm: Banker's Algorithm.	Hardware: LENOVO Make Intel E7500 Core2Duo 2.93GHz ,8GB DDR Softwares: Linux Operating System Ubuntu

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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 Core2Duo2.93GHz ,8GBDDR 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 Core2Duo2.93GHz ,8GBDDR Softwares:Linux Operating System Ubuntu
9	Implement a new system call in the kernel space, add this new system call in the Linux kernel by the compilation of this kernel (any kernel source, any architecture and any Linux kernel distribution) and demonstrate the use of this embedded system call using C program in user space.	Hardware: LENOVO Make Intel E7500 Core2Duo2.93GHz ,8GBDDR Softwares:Linux Operating System Ubuntu

Sr. No.	Subject-2: COMPUTER LAB-VII (ICS+ML)	Class:-BEIT
1	Bridgethegap:StudyofRlanguage	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 a 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 tools such as Snort tool for intrusion or SSL Web security.	PC, Printer, UPS and Linux OS, Snort tool

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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 proper 2-D dataset of N points. Split the data set into Training Data set and Test Data set. i) Perform linear regression analysis with Least Squares Method. ii) Plot the graphs for Training MSE and Test MSE and comment on Curve Fitting and Generalization Error. iii) Verify the Effect of Data Set Size and Bias-Variance Tradeoff. iv) Apply Cross Validation and plot the graphs for errors. v) Apply Subset Selection Method and plot the graphs for errors. vi) Describe your findings in each case	PC, Printer, UPS and Linux OS
8	Create Association Rules for the Market Basket Analysis for the given Threshold. (Using R)	PC, Printer, UPS and Linux OS, R and WEKA tool
9	Implement K-Means algorithm for clustering to create a Cluster on the given data. (Using Python)	PC, Printer, UPS and Linux OS, Python IDE
10	Implement SVM for performing classification and find its accuracy on the given data. (Using Python)	PC, Printer, UPS and Linux OS, Python IDE
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, FNR 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	Bridging 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

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5	BinaryTreecreation	PCwithC++IDE
6	ExpressionTree	PCwithC++IDE
7	BinarysearchtreeasADT	PCwithC++IDE
8	Graph	PCwithC++IDE
9	Kruskal'salgorithn	PCwithC++IDE
10	Prim'salgorithn	PCwithC++IDE
11	Dijkstra's algorithn	PCwithC++IDE
12	HashTable	PCwithC++IDE
13	Fileoperations	PCwithC++IDE

Sr.No.	Subject-1:ProjectbasedLearning	Class:SEIT
1	MakingteamandsubmissionofProjectstatement	-
2	InitialPresentationaboutProblem/Projectstatement	PCwithMS Office
3	ImplementationofProjectasperplanandmethodology	CwithPython,Java IDE
4	Documentation	PCwithMS Office
5	DemonstrationandPresentation	PCwithMS Office

Sr.No.	Subject-2: ProgrammingSkillDevelopmentLab	Class:SEIT
1	Study of Embedded C programming language (Overview,syntax,Onesimple program like addition of two numbers).	PCwithNPLab software
2	WriteanEmbeddedCprogramtoaddarrayofnnumbers	PCwithNPLab software
3	WriteanEmbeddedCprogramtotransferelementsfromonelocationto another for following: i) Internaltointernalmemorytransfer ii) Internaltoexternalmemorytransfer	PCwithNPLab software
4	WriteanEmbeddedCmenu drivenprogramfor: i) Multiply8bitnumberby8bitnumber ii) Divide8bitnumberby8bitnumber	PCwithNPLab software
5	WriteanEmbeddedCprogramforsortingthenumbersinascendingand descending order.	PIC 18 microcontrollerkit, PC with NPLabsoftware
6	WriteanEmbeddedCprogramtointerfacePIC18FXXXwithLED& blinking it using specified delay.	PIC 18 microcontrollerkit, PC with NPLabsoftware
7	WriteanEmbeddedCprogramforTimerprogrammingISRbased buzzer on/off.	PIC 18 microcontrollerkit, PC with NPLabsoftware

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8	Write an Embedded C program for External interrupt inputs 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
	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	Bridgethegap: Study of Data structures and files, Discrete Structure, Software engineering principles and practices.	PC with browser, Java 8, Tomcat 8, Jquery, and NodeJs libraries
2	Use HTML5 layout tags and apply CSS properties.	PC with browser, Java 8, Tomcat 8, Jquery, and NodeJs libraries
3	Design an online registration form for any application and validate it using Jquery.	PC with browser, Java 8, Tomcat 8, Jquery, and Node Js libraries
4	Design login application using PHP and addressence of Ajax init.	PC with browser, Java 8, Tomcat 8, Jquery, and NodeJs libraries
5	Create Java Web Service and integrate it with any suitable application.	PC with browser, Java 8, Tomcat 8, Jquery, and NodeJs libraries

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6	CreateJSPloginpageandvalidateit.MakeuseofServlets.	PCwithbrowser , Java 8,Tomcat 8,Jqery, and Node Js libraries
7	TocreateanapplicationforbillpaymentusingangularJS.	PCwithbrowser , Java 8,Tomcat 8,Jqery, and NodeJslibraries
8	Develop website using any CMS tool which falls into one of the categories blog,socialnetworking,newsupdate,Wikipedia,E-commercestore. Websitemustincludehomepage,andatleast3subpages.	PCwithbrowser , Java 8,Tomcat 8,Jqery, and NodeJslibraries
9	Developaminiprojectusinganyfrontendtoolwithdatabaseconnectivity.	PCwithbrowser , Java 8,Tomcat 8,Jqery, and NodeJslibraries
10	To studybigdatamanagementthroughwebscriptingusingappropriate scripting language.	PCwithbrowser , Java 8,Tomcat 8,Jqery, and NodeJslibraries

NameofLaboratory:SoftwareI&II(Lab606)(Sem-I)

Subject-1:ObjectOrientedProgrammingLab

Class:-SEIT

Sr. No.	TitleofAssignment	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.	PCwithJava 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 differencesare,BookclasshasauthorandorderCopies().MagazineClasshasorderQty, Currentissue, receiveissue(). Write a program to find howmanycopiesofthegivenbooksare ordered and display total sale of publication	PCwithJava IDE
3	Design and develop inheritanceforagivencasestudy,identifyobjectsandrelationshipsand 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 inheritedclasseswith97%ofBPasDA,10%ofBPasHRA,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	PCwithJava 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.	PCwithJava IDE
5	Design and develop a context for given case study and implement an interfaceforVehicles Consider the example of vehicles like bicycle, car, and bike. All Vehicles have common functionalities such as Gear Change, Speed up and apply breaks.Makeaninterfaceandput all these common functionalities. Bicycle, Bike, Car classes should be implemented for all these functionalities in their own class in their own way.	PCwithJava IDE

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6	Implement a program to handle Arithmetic exception, Array Index OutOfBounds. 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 NumberFormatException. 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 withdraw 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 stock 6. 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 make up. These steps should be written as methods and should be called while creating an instance of a specific car type. Hatchback, Sedan, SUV could be the subclasses of Car class. Car class and its subclasses, CarFactory and TestFactoryPattern should be implemented	PC with Java IDE
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:-BEIT

Sr.No.	Title of Assignment	Equipment required (Hardware & Software)
1	Bridgethegap: 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

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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 tools such as Snort tool for intrusion or SSL Web security.	PC, Printer, UPS and Linux OS, Snort tool
6	Study of platform for Implementation of Assignments Download the open source software of your interest. Document the distinct features and functionality of the software platform. You may choose WEKA and R and Python	PC, Printer, UPS and Linux OS, R and WEKA tool
7	Supervised Learning-Regression (Using R) Generate a proper 2-D data set of N points. Split the data set into Training Data set and Test Data set. i) Perform linear regression analysis with Least Squares Method. ii) Plot the graphs for Training MSE and Test MSE and comment on Curve Fitting and Generalization Error. iii) Verify the Effect of Data Set Size and Bias-Variance Tradeoff. iv) Apply Cross Validation and plot the graphs for errors. v) Apply Subset Selection Method and plot the graphs for errors. vi) Describe your findings in each case	PC, Printer, UPS and Linux OS
8	Create Association Rules for the Market Basket Analysis for the given Threshold. (Using R)	PC, Printer, UPS and Linux OS, R and WEKA tool
9	Implement K-Means algorithm for clustering to create a Cluster on the given data. (Using Python)	PC, Printer, UPS and Linux OS, Python IDE
10	Implement SVM for performing classification and find its accuracy on the given data. (Using Python)	PC, Printer, UPS and Linux OS, Python IDE
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, FNR 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

Place: Pune

Date: 08 February 2025

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Sr. No.	TitleofAssignment	Equipment required (Hardware& Software)
1	Bridgethegap:StudyofPythonProgrammingLanguage.	PythonIDE
2	<p>DataPreparation: Download heart dataset from following link. https://www.kaggle.com/zhaoyingzhu/heartcsvPerfor m following operation on given dataset.</p> <p>a) FindShapeofData b) FindMissingValues c) Finddatatypeofeachcolumn d) FindingoutZero's e) FindMeanageofpatients f) NowextractonlyAge,Sex,ChestPain,RestBP,Chol.Randomlydivide dataset in training (75%) and testing (25%).</p> <p>Through the diagnosis test I predicted 100 report as COVID positive, but only45 of those were actually positive. Total 50 people in my sample were actually COVID positive. I have total 500 samples. Createconfusionmatrixbasedonabovedataandfind I</p> <p>I Accuracy II Precision III Recall IV F-1score</p>	PythonIDE SpyderIDE
3	<p>AssignmentonRegressiontechnique</p> <p>a. ApplyLinearRegressionusingsuitablelibraryfunctionandpredictthe Month-wise 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.</p> <p>b. AssesstheperformanceofregressionmodelsusingMSE,MAEandR-Square metrics c. Visualizesimpleregressionmodel</p>	PythonIDE SpyderIDE

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4	<p>Assignment on Classification technique</p> <p>Every year many students give the GRE exam to get admission in foreign Universities. The dataset 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.</p> <p>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</p> <p>The counselor of the firm is supposed to 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.</p> <p>Apply Data pre-processing (Label Encoding, Data Transformation....) techniques if necessary.</p> <p>Perform data-preparation (Train-Test Split)</p> <p>C. Apply Machine Learning Algorithm</p> <p>D. Evaluate Model.</p>	Python IDE Spyder IDE
5	<p>Assignment on Improving Performance of Classifier Models</p> <p>a. Apply Data pre-processing (Label Encoding, Data Transformation....) techniques if necessary</p> <p>b. Perform data-preparation (Train-Test Split)</p> <p>c. Apply at least two Machine Learning Algorithms and Evaluate Models</p> <p>d. Apply Cross-Validation and Evaluate Models and compare performance.</p> <p>e. Apply Hyperparameter tuning and evaluate models and compare performance.</p> <p>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.</p> <p>Download Data -Set from : http://archive.ics.uci.edu/ml/datasets/sms+spam+collection</p> <p>This dataset is composed by just one text file, where each line has the correct class followed by the raw message</p>	Python IDE Spyder IDE
6	<p>Assignment on Clustering Techniques</p> <p>Download the following customer dataset from below link: Data Set: https://www.kaggle.com/shwetabh123/mall-customers</p> <p>This dataset gives the data of Income and money spent by the customers visiting a Shopping Mall. The dataset contains Customer ID, Gender, Age, Annual</p>	Python IDE Spyder IDE
	<p>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.</p> <p>a. Apply Data pre-processing (Label Encoding, Data Transformation....) techniques if necessary.</p> <p>b. Perform data-preparation (Train-Test Split)</p> <p>c. Apply Machine Learning Algorithm</p> <p>d. Evaluate Model.</p> <p>e. Apply Cross-Validation and Evaluate Model.</p>	

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7	<p>Assignment on Association Rule Learning</p> <p>Download Market Basket Optimization dataset from below link. DataSet: 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.</p> <p>There is no header in the dataset and the first row contains the first transaction, so mentioned header = None here while loading dataset.</p> <p>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.</p>	<p>Python IDE Spyder IDE</p>
8	<p>Assignment on Multilayer Neural Network Model</p> <p>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.</p> <p>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 has total 9 attributes where the last attribute is "Class attribute" having values 0 and 1. (1="Positive for Diabetes", 0="Negative")</p>	<p>Python IDE Spyder IDE</p>
9	Beyond the Syllabus	Framework

Subject-4: Lab Practice-I (ADBMS)

Class:- TE

Sr. No.	Title of Assignment	Equipment required (Hardware & Software)
1	Bridging the gap: Study of Open Source Databases: MySQL/mongodb/Hbase.	C with C
2	Install and configure client and server for MongoDB (Show all commands and necessary steps for installation and configuration)	C with Ubuntu OS and MongoDB
3	Create a suitable collection in MongoDB and perform 10 queries to demonstrate various operations on documents.	C with Ubuntu OS and MongoDB

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4	Implement Map-reduce and aggregation, indexing with suitable example in MongoDB. Demonstrate the following: <ul style="list-style-type: none"> Aggregation framework Create and drop different types of indexes and explain () to show the advantage of the indexes. 	C with Ubuntu OS and MongoDB
5	Design conceptual model using Star and Snowflake schema for any one database.	C with MS-Office
6	Design mini project using suitable front end with connectivity to MongoDB as backend to demonstrate CRUD operation.	C 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 Core2Duo 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 UML 2.0 notations.	Hardware: LENOVO Make Intel E7500 Core2Duo 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 UML 2.0 Notations for major Use Cases	Hardware: LENOVO Make Intel E7500 Core2Duo 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 UML 2.0 Notations. Implement Analysis class Model-class diagram with a suitable object oriented language	Hardware: LENOVO Make Intel E7500 Core2Duo 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 UML 2.0 Notations. Implement the design model with a suitable object-oriented language.	Hardware: LENOVO Make Intel E7500 Core2Duo 2.93 GHz, 2GB DDR Softwares: Ubuntu OS, Visual Paradigm

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6	<p>PrepareSequenceModel. 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.</p>	<p>Hardware: LENOVO Make Intel E7500 Core2Duo2.93 GHz ,2GB DDR Softwares: Ubuntu OS, Visual Paradigm</p>
7	<p>PrepareaStateModel Identify States and events for your system. Study state transitions and identify Guard conditions. Draw State chartdiagramwithadvancedUML2 notations. Implement the state model with a suitable object-oriented language</p>	<p>Hardware: LENOVO Make Intel E7500 Core2Duo2.93 GHz ,2GB DDR Softwares: Ubuntu OS, Visual Paradigm</p>
8	<p>IdentificationandImplementationofGRASPpattern 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</p>	<p>Hardware: LENOVO Make Intel E7500 Core2Duo2.93 GHz ,2GB DDR Softwares: Ubuntu OS, Visual Paradigm</p>
9	<p>IdentificationandImplementationofGOFpattern 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</p>	<p>Hardware: LENOVO Make Intel E7500 Core2Duo2.93 GHz ,2GB DDR Softwares: Ubuntu OS, Visual Paradigm</p>

NameofLaboratory:SoftwareI&II(Lab606)(Sem-II)

Subject-1: LaboratoryPractices-2

Class:TEIT

Sr.No.	TitleofAssignment	Equipment required (Hardware&Software)
1	<p>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 toarray/localstoragewithAJAXPOSTmethodanddatalistin new page.</p>	<p>Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,8GB DDR PC,Printer,UPS Software: WebBrowser HTML,CSSandBootstrap JavaScript Windows10 Ram 8GB Visualstudiocode nodejs</p>
2	<p>a. CreateversioncontrolaccountonGitHubandusingGit commandstocreaterepositoryandpushyourcodetoGitHub. b. Create Docker Container Environment (NVIDEIA Dockerorany other).</p>	<p>Hardware:LENOVOMake Intel E7500 Core 2 Duo 2.93 GHz ,8GB DDR PC,Printer,UPS Software:</p>
	<p>c.Create an Angular application which will do following actions: Register User, Login User, Show User Data on Profile Component</p>	<p>Windows10 GithubAngu larCLI Node.jsand NPM</p>

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3	<p>a. Create a Node.js Application which serves as a static website.</p> <p>b. Create four APIs using Node.js, Express.js and MongoDB for CRUD Operations on assignment 2.C.</p>	<p>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</p>
4	<p>a. Create a simple Mobile Website using jQuery Mobile.</p> <p>b. Deploy/Host Your web application on AWS VPC or AWS Elastic Beanstalk. Mini Project</p> <p>Develop a web application using full stack development technologies in any of the following domains:</p> <ol style="list-style-type: none"> 1. Social Media 2. e-commerce 3. Restaurant 4. Medical 5. Finance 6. Education 7. Any other 	<p>Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz, 8GB DDR PC, Printer, UPS Software jQuery Mobile https://aws.amazon.com</p>

Subject-2: Computer Laboratory-IX

Class: BE(IT)

Sr. No.	Title of Assignment	Equipment required (Hardware & Software)
1	Bridging 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
5	Develop any distributed algorithm for leader election.	PC, Printer, UPS and Linux OS Eclipse or Neatbeans, Java

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Date: 08 February 2025

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6	Create a simple webserviceandwriteanydistributedapplicationtoconsumethe web service.	PC,Printer,UPSand Linux OS EclipseorNeatbeans, Java
7	Develop any distributed application using Messaging System in Publish-Subscribe paradigm	PC,Printer,UPSand Linux OS EclipseorNeatbeans, Java
8	DevelopMicroservicesframeworkbaseddistributedapplication.	PC,Printer,UPSand Linux OS EclipseorNeatbeans, Java
9	Beyond Syllabus.: Implement a small Distributed application to share file using GUI	PC,Printer,UPSand Linux OS EclipseorNeatbeans, Java

Subject-3:DS&BDALab

Class:TE

Sr. No.	TitleofAssignment	Equipment required (Hardware&Software)
1	HadoopInstallationona)SingleNodeb)MultipleNode	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 fileofasystem.List out the users who have logged for maximum period on the system. Use simple log file from the Internet and process itusinga pseudo distribution mode on Hadoop platform.	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,8GB DDR Softwares:Ubuntu,Hadoop
3	WriteanapplicationusingHBaseandHiveQLforflightinformation system which will include 1) Creating,Dropping,andalteringDatabasetables 2) CreatinganexternalHivetable 3) Load table with data, insertnewvaluesandfieldinthetable,Jointables with Hive 4) CreateindexonFlightinformationTable 5) Findtheaveragedeparturedelayperdayin2008.	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,8GB DDR Softwares: Ubuntu, Hadoop, HBase,Hive
4	Performthefollowingoperations using Python on the Facebook metrics data sets a. Create data subsets b. MergeData c. Sort Data d. TransposingData e. ShapeandreshapeData	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,8GB DDR Softwares:Python
5	PerformthefollowingoperationsusingPythonontheAirqualityand Heart Diseases data sets a. Data cleaning b.Dataintegration	Hardware: LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,8GB DDR
	c. Datatransformation d. Errorcorrecting e. Datamodelbuilding	Softwares:Python

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6	Integrate Python and Hadoop and perform the following operations on forest fire dataset a. Data analysis using the MapReduce 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 scraper for any e-commerce 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 scraper for any e-commerce 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
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

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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 E7500Core2 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 E7500Core2 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 E7500Core2 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 E7500Core2 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 E7500Core2 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 E7500Core2 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 E7500Core2 Duo 2.93 GHz ,8GB DDR Softwares: Android Studio, Java 9 onwards
11	Android Security: Authentication of two mobile devices.	Hardware: LENOVO Make Intel E7500Core2 Duo 2.93 GHz ,8GB DDR Softwares: Android Studio, Java 9 onwards

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12	CaseStudy:Evolutionofcellularnetworksallthewayupto7G.	Hardware: LENOVO Make Intel E7500Core2 Duo 2.93 GHz ,8GB DDR Softwares: Android Studio, Java 9 onwards
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Subject5:DatabaseManagementsystemLab

Class:-SE

r.	itleofAssignment	quipment equied Hardware
o.		&
	ridgethegap:StudyofDatastructuresandfiles,DiscreteStructure,SoftwareCwithC ngeering	oftware) principles and
	practices.	
	tudyofMySQLOpensourcesoftware.Discussthecharacteristicslikeefficiency,CwithUbuntu calability,performanceandtransactionalproperties	Sand MySQL
	nstallandconfigureclientandserverofMySQL.(Showallcommandsandnecessary CwithUbuntu	
	epsforinstallationandconfiguration)	Sand MySQL
	tudyofSQLite:WhatisSQLite?UsesofSqlite.BuildingandinstallingSQLite.	C with
	esignanydatabasewithatleast3entitiesandrelationshipsbetweenthem.DrawC	MS-Office with
	uitableER/EERdiagramforthesystem.	MS-Office
	esignandimplementadatabase(forassignmentno5)usingDDLstatementsandapplyCwithUbuntu	
	ormalizationonthem	Sand MySQL
	reateTablewithprimarykeyandforeignkeyconstraints.	CwithUbuntu S
	.Altetablewithaddandmodifyb.Droptable	and MySQL
	erformfollowingSQLqueriesonthedatabasecreatedinassignment 6.	CwithUbuntu S and MySQL
	xecuteDDL/DMLstatementswhichdemonstratetheuseofviews.UpdatethebaseCwithUbuntu ableusingitscorrespondingview.AlsoconsiderrestrictionsonupdateableviewsandS and MySQL erform view creation from multiple tables.	
0	WriteandexecutePL/SQLstoredprocedureandfunctiontoperformasuitabletaskonCwithUbuntu	
	hedatabase.Demonstrateitsuse.	Sand MySQL
1	Writeandexecutesuitable databasetriggers.ConsiderrowlevelandstatementlevelCwithUbuntu	
	riggers.	Sand MySQL
2	WriteaPL/SQLblocktoimplementalltypesofcursor.	CwithUbuntu S and MySQL
3	esignandcasestudyofanyorganization(backendonly),ProjectProposalandHigh C	with
	evelSRSToprepareforproject.	MS-Office
4	rawERdiagramforenterprisedatabaseandperformedatabase design.	C with
		MS-Office

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5	Content Beyond Syllabus: To study Scientific Data Management.	C with MS-Office
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Name of Laboratory: Network Laboratory I & II (Lab 607) (Sem-I)

Subject-1: COMPUTER IAB-VII

Class:-BEIT

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 UML 2.0 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 UML 2.0 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 UML 2.0 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 UML 2.0 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 UML 2.0 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

Place: Pune

Date: 08 February 2025

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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:- TEIT

Sr. No.	Title of Assignment	Equipment required (Hardware & Software)
1	Bridgethegap: Study of Python Programming Language.	Python IDE
2	<p>Data Preparation: Download heart dataset from following link. https://www.kaggle.com/zhaoyingzhu/heartcsv Perform following operation on given dataset.</p> <p>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, Chest Pain, Rest BP, Chol. Randomly divide dataset in training (75%) and testing (25%).</p> <p>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</p> <p>I I. Accuracy II. Precision III. Recall IV. F-1 score</p>	Python IDE Pyder IDE
3	<p>Assignment on Regression technique a. Apply Linear Regression using suitable library function and predict the Month-wise 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.</p> <p>b. Assess the performance of regression models using MSE, MAE and R-Square metrics c. Visualize simple regression model</p>	Python IDE Spyder IDE
4	Assignment on Classification technique	Python IDE

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	<p>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.</p> <p>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</p> <p>The counselor of the firm is supposed to 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.</p> <p>Apply Data pre-processing (Label Encoding, Data Transformation....) techniques if necessary.</p> <p>Perform data-preparation (Train-Test Split)</p> <p>C. Apply Machine Learning Algorithm</p> <p>D. Evaluate Model.</p>	SpyderIDE
5	<p>Assignment on Improving Performance of Classifier Models</p> <ol style="list-style-type: none"> Apply Data pre-processing (Label Encoding, Data Transformation....) techniques if necessary Perform data-preparation (Train-Test Split) Apply at least two Machine Learning Algorithms and Evaluate Models Apply Cross-Validation and Evaluate Models and compare performance. Apply Hyperparameter tuning and evaluate models and compare performance. <p>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.</p> <p>Download Data -Set from : http://archive.ics.uci.edu/ml/datasets/sms+spam+collection</p> <p>This dataset is composed by just one text file, where each line has the correct class followed by the raw message</p>	PythonIDE SpyderIDE
6	<p>Assignment on Clustering Techniques</p> <p>Download the following customer dataset from below link: Data Set: https://www.kaggle.com/shwetabh123/mall-customers</p> <p>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.</p> <ol style="list-style-type: none"> Apply Data pre-processing (Label Encoding, Data Transformation....) techniques if necessary. Perform data-preparation (Train-Test Split) Apply Machine Learning Algorithm Evaluate Model. 	PythonIDE SpyderIDE

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	e.ApplyCross-ValidationandEvaluateModel.	
7	<p>AssignmentonAssociationRuleLearning DownloadMarketBasketOptimizationdatasetfrombelowlink. Data Set: https://www.kaggle.com/hemanthkumar05/market-basket-optimizationThis 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.</p> <p>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. Generate rules depend on the values of hyperparameters. By increasing the minimum confidence value and find the rules accordingly.</p>	PythonIDE SpyderIDE
8	<p>AssignmentonMultilayerNeuralNetworkModel 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 has total 9 attributes where the last attribute is "Class attribute" having values 0 and 1. (1="Positive for Diabetes", 0="Negative")</p>	PythonIDE SpyderIDE

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	<p>Using a Network Simulator (e.g. packet tracer) Configure Router for</p> <p>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)</p>	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. TCP Server a) TCP Client, b) UDP Client, UDP Server	Desktop/ laptop C++-DevCPP
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 into four quadrants with center as (0,0). The lines 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 objects 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 to 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	Bridging the gap	Computer Printer UPS
2	To calculate salary of an employee given his basic pay (take as input from user). Calculate salary of employee. Let HRA be 10 % of basic pay and TA be 5% of basic pay. Let employee pay professional tax as 2% of total salary. Calculate salary payable after deductions.	Anaconda 3.7/Ubuntu
3	To accept N numbers from user. Compute and display maximum in list, minimum in list and average of numbers.	Anaconda 3.7/Ubuntu
4	To accept student's five course marks and compute his/her result. Student is passing if he/she scores mark equal to and above 40 in each course. If student's scores aggregate greater than 75%, then the grade is distinction. If aggregate is $60 \geq$ and < 75 then the grade is first division. If aggregate is $50 \geq$ and < 60 , then the grade is second division. If aggregate is $40 \geq$ 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 number itself.	Anaconda 3.7/Ubuntu
6	To accept the number and Compute a) square root of number, b) Square of number, c) Cube 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 digit of number in reverse order.	Anaconda 3.7/Ubuntu
9	To accept list of N integers and partition list into two sublists even and odd numbers.	Anaconda 3.7/Ubuntu
10	Write a python program that accepts a string from user and perform following string operations- i. Calculate length of string ii. String reversal iii. Equality check of two strings iv. Check palindrome v. 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 with commas b) lower case are to be replaced with uppercase c) uppercase are to be replaced with lower 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.	Electropneumatic and hydraulic trainer
3	Implementation and testing of Pneumatic circuits.	Electropneumatic 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	IC741 breadboard, power supply, Resistors
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 wastewater 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 program 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, subtraction, 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 in 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 clockwise and	Arduino Nano Kit

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	anticlockwiseinarduino/Rasberypiwith embedded python	
11	Write programmesfortemperaturecontrol by configuring ADC and switching AC heaters and study of electro hydraulic trainer along with display of set point, processvariableandmanipulatedvariable and LCD display in arduino/ rasberypi with embedded python	ArduinoNanoKit
12	Writeprogrammetocontrolfourwaytraffic lightcontrolusingtimmer/counterin embeddedpython	ArduinoNanoKit
ComputerTechniquesandapplication		
1	CPUSchedulingalgorithms	PC
2	ProgrammeonHoffmanCoding	PC
3	StudyoffilesystemManagement	PC
4	GenerateaTestPlanformatforanapplication as a case study	PC
5	Theoreticalstudyofthesoftwaretesting guidelines	PC
6	Study ofdifferentsoftware'stestingtools	PC
7	StudyofIndustrialEthernet	PC
8	Casestudyon RTOS.	PC
DataScience		
1	Statisticalanalysisofdataset	Python,Computer
2	EDA of dataset Database:Toyota.csv	Python,Computer
3	Classification of cars Database:Toyota.csv	Python,Computer
4	Correlationanalysisofdataset 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	Tableaudashboard	Python,Computer
ModernControlTheory		
1	Conversionoftransferfunctionmodelto state space and vice-versa.	Matlab&Computer
2	Computationofstatetransitionmatrix using different methods	Matlab&Computer
3	Investigatestatecontrollabilityofgiven system.	Matlab&Computer
4	InvestigatestateObservabilityofagiven 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	Aurduino kit, LED, LCD
2	Interfacing analogue sensor with developing board and displaying its value on LCD	Aurduino kit
3	Changing brightness of LED using Potentiometer using PWM technique.	Aurduino kit
4	Data transfer from one development board to other using Wi-Fi	Aurduino kit, ESP wifi module
5	Data transfer from one development board to other using Bluetooth.	Aurduino kit, Bluetooth module HC05
6	Connecting development board to internet either with Wi-Fi or GSM	Aurduino kit, ESP wifi module
7	Sending information to cloud using development board.	Aurduino kit, ESP wifi module
8	Receiving data from cloud to development board and displaying it on LCD.	Aurduino 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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DataStructure		
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 an 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 a program for various operations on list.	Python
8	Write a program for various operations on set.	Python
DigitalSignalProcessing		
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 its 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,Matlabsoftware
14	Write a Program to design and implement digital IIR filter using Chebyshev approximationsforthegivenspecifications ofalow-passfilter.	PC,Matlabsoftware
SignalsandSystems		
1	WriteaProgramtogeneratethebasic signals	PC,Matlabsoftware
2	Write a Program to implement the Elementaryoperationsonthegivensignals.	PC,Matlabsoftware
3	WriteaProgramtocomputetheLinear Convolutionofthetwogivensignals.	PC,Matlabsoftware
4	Write a Program to obtain the auto-correlation of sequence	PC,Matlabsoftware
5	Write a Program to obtain the cross-correlationsofthegivensequences..	PC,Matlabsoftware
6	WriteaProgramtoobtainFourierSeries Coefficient..	PC,Matlabsoftware
7	WriteaprogramtofindFouriertransform of continuous time signals.	PC,Matlabsoftware
8	Write program to solve differential equationusingLaplaceTransform.	PC,Matlabsoftware
9	Write program to compute Probability distribution function and cumulative distribution function.	PC,Matlabsoftware
10	WriteprogramtocomputeofMean, Moments,deviationandvarianceofsignals	PC,Matlabsoftware
EmersonCentreofExcellenceinDeltaVDistributedControlSystem(DCS)Lab Industrial Automation II (TE)		
1	To study ofdetailarchitectureofanytypical DCS system	DeltaVDCS
2	Tostartandstopelectricmotor/pump using DCS	SetupSCTRtrainerkit+DeltaVDCS
3	To connect field device (Transmitter and control Valve) and its configuration for input and output channels in DCS	SetupSCTRtrainerkit
4	TofindEmpiricalprocessModelofany simple process using DCS	CSTR+DeltaVDCS
5	To develop and implement simple[le feedbackcontrolloopusingPIDfunction block in DCS	CSTR+DeltaVDCS
6	Toconfigurethehistoricaldata,graphics andfaceplateforabovefeedbackcontrol loop	CSTR+DeltaVDCS
7	TostudyofHARTandfieldbusNetworks.	DCS
8	Tostudyoffieldbusdashedfielddevice add its configuration	CSTR+DeltaVDCS

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9	CasestudyofDCSoranyindustrialapplication	CSTR+DeltaVDCS
10	TopreparespecificationsheetofDCSfor anyindustrialapplication	CSTR+DeltaVDCS
IndustrialAutomationII(BE)		
1	StudyhardwareandsoftwareusedinPLC	Micrologix1400PLC+DCS
2	Implementationoflogicgates	Micrologix1400PLC+DCS
3	Developaladderprogramme forDOL starter	PLC+DeltaVDCS
4	Developanapplicationusingondelaytimer	PLC+DeltaVDCS
5	Developanapplicationusing offdelay timer	PLC+DeltaVDCS
6	Developanapplicationusingup-down counter	PLC+DeltaVDCS
7	Implementation of PLC arithmetic instruction	PLC
8	StudyofPIDcontrollerinstructionfora pilotplant	PLC+DeltaVDCS
9	Study hardware and software platforms for DCS	PLC+DeltaVDCS
10	Developingandimplementinganyclosed controlledloopusingSCADASystem	Factorytalk+PLC+SCADA
Analog&DigitalTechniquesLab BuildingAutomation(BE)		
1	To studyArchitectureofBMS&IBMS	
2	To studyPsychrometricchartandvarious parameters	
3	To studydifferenttypesofAirHandling Units	
4	To studyvariousterminalunitsystems(CAV, VAV)	
5	To studyChilledWaterSystemandloops	
6	To studyHotWaterSystemandloops	
7	To studyFASloopsandclassifications	
8	To studySLCwiring,loops,classifications	
9	To study cause and effect matrix-Fire alarm system	
10	To studyCCTVSystemArchitectureand types of cameras	
BuildingAutomation(TE)		
1	To studyArchitectureofBMS&IBMS	
2	To studyPsychrometricchartandvarious parameters	
3	To studydifferenttypesofAirHandling Units	
4	To studyvariousterminalunitsystems(CAV, VAV)	
5	To studyChilledWaterSystemandloops	
6	To studyHotWaterSystemandloops	
7	To studyFASloopsandclassifications	

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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 Energymeter.	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 of LM 741	Power supply, C.R.O, Function generator, Digital multi meter
3	Designing and implementation of Differentiator using LM741	Power supply, C.R.O, Function generator, Digital multimeter
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 LM741.	Power supply, C.R.O, Digital multimeter
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 LM555.	Power supply, C.R.O, Digital multimeter
9	Designing of dual power supply from single voltage source	Power supply, C.R.O, Digital multimeter
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	DesignAndImplementationofFullAdder and Subtraction using Logic Gates	DigitalTrainer Kit
5	Designof1bitand2bitcomparatorusing logicgate	DigitalTrainer Kit
6	DesignofSequentialcounterusingJKFlip flop	DigitalTrainer Kit
7	DesignofNonSequentialCounterusing type KH Flip flop	DigitalTrainer Kit
8	VerifytruthtableofflipflopsusingNAND andNORGates	DigitalTrainer Kit
9	StudyofPresentableUP/DownCounter Using IC 74193	DigitalTrainer Kit
BiomedicalInstrumentationLab BiomedicalInstrumentation		
1	To study bioelectrodes.	Bioelectrode 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	Resumé 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 LM35, 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 their microcontroller (History & Evolution)	
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 how 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 an Arduino 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 Banker's Algorithm	
5	Page Replacement strategies (FIFO, LRU, Optimal)	

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6	PagingsimulationusingLeastRecentlyUsed LRU) and Optimal algorithm	
7	UNIXsystemcallsforprocessmanagement	Operating System: Unix/Linux Tools:Terminal
8	Create a shell programtodo mathematical operations	
9	Findstringinafileusinggrepsystemcalls	
10	InterprocesscommunicationinLinuxusingPipes	
Laboratory:CGL(Sem-I)(401)		Faculty:Ms.D.P.Babar
1	Write C++ program todrawaconcavepolygonand fill it with desired color using scan fill algorithm	OperatingSystem:-64-bitOpensource Linux Programming tools:-OpenSourceC++ Programming tool like G++/GCC, OPENGL,DevC++
2	Write C++ program to implement Cohen Southerland line clipping algorithm.	
3	)WriteC++ program to draw the followingattern. Use DDA line and Bresenham's circlerawingalgorithm. Apply the concept of ncapsulation
4	WriteC++programtodraw2-Dobjectandperform ollowingbasictransformations:1.Scaling 2. Translation3.Rotation.Applytheconceptof perator overloading.	
5	WriteC++programto generate snowflake using oncept of fractals. WriteC++programtogenerateHilbertcurveusing onceptoffractals. WriteC++programtogeneratefractalpatternsby singKochcurves.	
6) Design and simulate any data structure like stack or queue visualization using raphics. Simulation should include all perations performed on designed data tructure. Implement the same using OpenGL. WriteC++programtodraw3-Dcubeand erform following transformations on itsing OpenGL i) Scaling ii) Translation iii) Rotation about an axis (X/Y/Z).) Write OpenGL program to draw Sun Rise and Sunset.	

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7	<p>)Write a C++ program to control a ball using row keys. Apply the concept of polymorphism.</p> <p>)Write a C++ program to implement bouncing all using sine wave form. Apply the concept of olymorphism.OR</p> <p>)WriteC++programtodrawmanwalkingin herain with an umbrella. Apply the conceptof olymorphism.OR</p> <p>Write a C++ program to implement the game of 8 uzzle. Apply the concept of polymorphism.</p> <p>Write a C++ program to implement the game Tic Tac Toe. Apply the concept of polymorphism.</p>	
8	<p>Mini-Project Design and implement game / animation clip / Graphics Editor using open source graphics library. Make use of maximum features of Object Oriented Programming.</p>	
Laboratory:DSL(SemI)(406)		Faculty:Mrs.P.S.Bhondve
1	<p>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</p>	<p>OperatingSystem:Windows8,Tools: Dev C++/ Google Colab/ JupyterNotebook,Pycharm</p>
2	<p>WriteaPythonprogramtocomputedifferent operations on String</p>	

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3	<p>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.</p> <p>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</p>	
4	Write a Python program to maintain club members, sort on roll numbers in ascending order. Write function "Ternary Search".	
5	<p>Write a Python program to</p> <ol style="list-style-type: none"> 1. Insertion sort 2. Shell Sorts 	
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	<p>A palindrome is a string of characters that's the same forward and backward. Typically, punctuation, capitalization, and spaces are ignored.</p> <p>To print the original string followed by the reversed string using stack To check whether the given string is palindrome or not.</p>	
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 function 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	Pizzeria parlour accepting maximum Morders. 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 Interferometer setup
2	To determine the radius of curvature of the planoconvex lens by using Newton's rings	Newton's 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 analyzer
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	Tuning forks
Laboratory: Workshop		
1.	Mandatory briefing on shop-floors safety	
2.	Demonstration and working of centre lathe Demonstration on various functions of lathe parts: Headstock, Tailstock, Carriage, Leadscrew, 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 woodworking, 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 workshop 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	Development 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;	Glassware and Chemical
2	Determination of alkalinity of water;	Glassware 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;	Glassware and Chemical
7	Synthesis of Phenol Formaldehyde Resins.;	Glassware and Chemical
8	Proximate analysis of coal;	Hot Air Oven
9	Preparation of Biodiesel;	Glassware and Chemical
10	Study of Double beam Spectrometer;	Spectrometer
Laboratory Engineering Mechanics		
1	Verification of law of parallelogram of forces	Grav sand 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	Meters scale, Rubber ball, Table-tennis ball, marble ball
6	Determination of coefficient of restitution	Arc shaped 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 Panel
3	Assignment no 2 Vehicle specifications and systems in passenger car	Car Model
4	Assignment no 3 Electric vehicle specifications and its systems	-
5	Assignment no 4 Domestic appliances viz. refrigerator, air-conditioner, washing machine, cold storage	Demonstration KIT of refrigerator, 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 Panel
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	450Mbps
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 (TM) i3-2120 CPU @ 3.30GHz 4.00GB (3.33GB Usable) Lenovo CPU E7300 @ 2.66GHz 0.99GB RAM. COMPUTER Intel(R) Core (TM) i3-2120 CPU @ 3.30GHz 4.00GB (3.33GB Usable) Lenovo 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 reserved 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 HP2400 Laser.	3
6	Information Technology	132		HP Scanjet HP5590 Laser.	2
7	Engineering Sciences	140		UPS Hp LaserJet 1020 Printer Color Printer HP Scanner EPSON Scanner	13 12 10 02 01

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			to core i3 Processor, HDD:1TBGBHDD, RAM: 4 GB RAM, Display: 18.5” LED Display Screen, Graphics Card: 1GB NVIDIAGraphicsCard DVDRWDrive, SMPS with Cabinet, Keyboard: USB MultimediaKeyboard, Mouse: USB Optical Mouse, Operating System: Windows10(64bit) License Warranty:3yearsonsite	
	Total:	800		163

InnovationCell

AISSMS IOIT has formed Institute Innovation council for start up- innovationactivities.This councilaimsto support creating world class innovators and entrepreneurship along withgraduationcourseofengineering. Through IIC our students as well as facultiesareattendingdifferentonlinesessionsandcompetitionslike, SIH, National Innovation Contests, KAPILA -IPR and leadership program.

SocialMediaCell

Media isagiftotechnologythatprovidesuswiththemediumformasscommunication.Communicationtools usedtostoreanddeliverinformationordata.Socialmediaplaysanimportantroleineverystudent’slife.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 hasbeendecidedtopublicizeourCollegeevents through social and print media

Compliance of the National Academic Depository(NAD),applicabletoPGCM/PGDMIstitutionsand University Departments ()

Listoffacilitiesavailable

<https://aissmsioit.org/facilities/>

GamesandSportfacilities	Available https://aissmsioit.org/facilities/sports/
Extra–CurricularActivities	Available
SoftSkillDevelopmentFacilities	Campus to corporate readiness program(CCRP): To inculcate employability skills in the students, various programs areconductedat institute levelincollaborationwithreputedindustrieslike ForbesMarshall,InstituteofHolisticHealingetc.

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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 2024-2025 (SEM-I)

S.NO	Name of Faculty	Class	Subject	Theory	Practical/Tut	Total
1	Dr. S. N. Zaware	SY A	CO-OS	3		13
		BE A	LP-III (ML)		6	
		BE B	LP-III (ML)		2	
		BE	PROJECT		2	

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2	Dr.K. S. Wagh BE PROJECT CO-ORDINATOR	SY A	OOP	3		13
		SY A	OOPL		6	
		TY A	IPR	2		
		BE	PROJECT		2	
3	Dr.S.V.Limkar Ms. T.G.Mangave Dr. S.A.Bhosale	SY B	DSA	3		16
		SY B	DSAL		8	
		BE B	ML	3		
		BE B	LP-III		2	
4	Dr. C.N. Aher	SY	MINOR COURSE (OOPL)		4	16
		TY A	TOC	3		
		TY A	ANDROID PROGRAMMING	2		
		TY A	PDL-II		2	
		BE B	EL-IV	3		
		BE	PROJECT		2	
5	Dr. V.S.Bhende	TY B	PROFESSIONAL ELECTIVE -I (CC)	3		17
		TY B	PROFESSIONAL ELECTIVE LAB-I (CC)		2	
		SY	MINOR COURSE (OOP)	3		
		BE B	EL-III	3		
		BE B	LP-IV		4	
		BE	PROJECT		2	
6	Mrs. M. P. Nerkar	SY A	DSA	3		16
		SY A	DSAL		8	
		BE A	EL-IV	3		
		BE	PROJECT		2	
7	Mrs.M. A. Zope GFM- SY A	SY A	DM	3		16
		SY A, B	THE JOY OF COMPUTING USING PYTHON	2		
		BE A	EL-III	3		
		BE A	LP-IV		6	
		BE	PROJECT		2	
8	Mrs. S.P.Pimpalkar	SY B	OOP	3		11
		SY B	OOPL		6	
		BE B	LP-III		2	

9	Mrs. P. S. Gaikwad	SY B	DM	3		16
		SY A, B	DSAL		8	
		BE A	DAA	3		
		BE	PROJECT		2	
10	Mrs. N. S. Patil	TY A	DBMS	3		17
		TY A	DBMS LAB		12	
		BE	PROJECT		2	
11	Mr.G.J.Navale	TY B	TOC	3		
		TY	MINOR COURSE	3		
		BE B	DAA	3		
		BE B	LP-III		6	
		BE	PROJECT		2	
12	Dr. A.S.Chavan	TY A	WT	3		16
		TY A	WTL		6	
		TY A	AC	1		
		TY A	PDL-II		4	
		BE	PROJECT		2	
13	Mrs. A.G.Said	TY B	DBMS	3		17
		TY B	DBMS LAB		12	
		BE	PROJECT		2	
14	Ms. A. S. Varal	TY A	PROFESSIONAL ELECTIVE -I	3		17

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	GFM – BE A	(DS)			
		TY A	PROFESSIONAL ELECTIVE LAB – I (DS)		4
		TY	MINOR COURSE LAB		2
		BE A	BCT	3	
		TY B	IPR	2	
		BE A	LP-IV		2
		BE A	AC	1	
15	Mr. S. R. Pawar GFM – SY B	SY B	CO-OS	3	
		SY A, B	CO-OS LAB		12
		BE	PROJECT		2
16	Ms. P. S. Jadhav GFM – BE A	TY B	PROFESSIONAL ELECTIVE-I (DS)	3	
		TY B	PROFESSIONAL ELECTIVE LAB-I (DS)		4
		BE B	BCT	3	
		BE A	LP-III (DAA)		6
		BE A	AC	1	
17	Ms. S. B. Toney GFM – TY A	TY A	PROFESSIONAL ELECTIVE –I	3	
		TY A	PROFESSIONAL ELECTIVE LAB–I		2
		TY B	PDL-II		6
		SY A, B	DEG	2	
		BE B	LP-IV		2
		BE	PROJECT		2
18	Ms. F K Sayed GEM – TY B	TY B	WT	3	
		TY B	WTL		6
		TY B	AC	1	
		TY	MINOR COURSE LAB		2
		SY	MINOR COURSE LAB		2
		SY A, B	AC	2	
19	Mr. S.Deokate	FY	PSP-I	4	
		FY	PSP-I LAB		12

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Date:08February2025

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DEPARTMENT OF COMPUTER ENGINEERING
LOAD DISTRIBUTION FOR ACADEMIC YEAR 2024-2025 (SEM-II)

S.NO	Name of Faculty	Class	Subject	Theory	Practical/Tut	Total
1.	Dr. S. N. Zaware	SYA	SEM	3		13
		SYA	PDL-I		2	
		BE A	LP-V		6	
		BE	PROJECT		2	
2.	Dr.K. S. Wagh BE PROJECT CO-ORDINATOR	SYB	DCCN	3		14
		SYB	CNL		6	
		TYA	STPW	1		
		TYA	STPW		2	
		BE	PROJECT		2	
3.	Dr. C. N. Aher TYB SEMINAR COORDINATOR	TYB	DAA	3		16
		TYB	LP-I		6	
		TYB	STPW	1		
		TYB	STPW		4	
		SY	MINOR COURSE		2	
4.	Dr. A. S. Chavan GFM - SYA	TYB	ESIOT	3		17
		SYA	DCCN	3		
		SYA	CNL		6	
		TYA	PDL-III		2	
		SYA	AC-4	1		
		BE	PROJECT		2	
5.	Dr. V.S.Bhende GFM - SY B	SYB	SEM	3		17
		SYB	PDL-I		6	
		SYB	AC-4	1		
		SY	MINOR COURSE	3		
		SY	MINOR COURSE LAB		2	
		TYB	STPW		2	
6.	Mrs. M. P. Nerkar	SYA	ADSA	3		17
		SYA	ADSAL		12	
		BE	PROJECT		2	
7.	Mrs.M. A. Zope	SYA	DT	2		17
		TYA	RPA	1		
		TYA	RPA		12	
		BEA	LP-VI		2	
8.	Mrs. P. S. Gaikwad GFM-TYB	SYB	DT	2		17
		TYB	RPA	1		
		TYB	RPA		12	
		BEB	LP-VI		2	
9.	Mrs. A. G. Said	SYA	PROGRAMMING IN JAVA	1		18
		SYA	PROGRAMMING IN JAVA		12	
		SYA	PDL-I		2	
		BEB	DL	3		
10.	Mrs. N. S. Patil	SYB	ADSA	3		17
		SYB	ADSAL		12	
		BE	PROJECT		2	

11.	Mr. P. S. Sadaphule TYB PROJECT COORDINATOR	TYB	AIML	3		16
		TYB	LP-I		6	
		TYB	PDL-III		4	
		BEA	HPC	3		
12.	Ms. S. P. Pimpalkar	SYB	PROGRAMMING IN JAVA	1		13

Place:Pune
Date:08February2025

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		SYB	PROGRAMMING IN JAVA		12	
13.	Mr. G. J. Navale GFM-TYA	TYA	DAA	3		18
		TYA	LP-I		6	
		BEB	LP-V		6	
		BEB	HPC	3		
14.	Ms. A. S. Varal GFM-BEA	TYA	PE-II(2)	3		16
		TYA	PE-II(2)		2	
		TY	MINOR COURSE	3		
		TY	MINOR COURSE		2	
		BEA	DL	3		
		BEA	AC-8	1		
15.	Ms. F K Sayed TYA PROJECT COORDINATOR	TYB	PE-II(1)	3		16
		TYB	PE-II(1)		4	
		TYA	PDL-III		4	
		TY	MINOR		2	
		BEA	EL-5	3		
16.	Ms. P. S. Jadhav GFM-BEB	SYA	PDL-I		2	17
		TYB	PE-II(2)	3		
		TYB	PE-II(2)		2	
		TYA	STPW		2	
		BEB	EL-5	3		
		BEB	LP-VI		2	
		BEB	AC-8	1		
		BE	PROJECT		2	
17.	Mr. S. R. Pawar TYA SEMINAR COORDINATOR	TYA	ESIOT	3		17
		TYA	ESIOT LAB		6	
		TYB	ESIOT LAB		6	
		TYA	STPW		2	
18.	Ms. S. B. Toney	TYA	PE-II(1)	3		16
		TYA	PE-II(1)		4	
		TYB	PDL-III		2	
		TYA,B	AC-6	2		
		BEB	EL-VI	3		
		BE	PROJECT		2	
19.	Ms.S.Bhosale	TYA	AIML	3		18
		TYA	LP-I		6	
		BEB	EL-VI	3		
		BEA	LP-VI		2	
		BEB	LP-VI		4	
20.	Mr. N. A. Shaikh	SYA,B	AMCS	6		6

**DEPARTMENT OF ELECTRICAL ENGINEERING
LOAD DISTRIBUTION FOR ACADEMIC YEAR 2024-2025 (SEM-I)**

Sr. No	Name of Faculty	Class	Subject	Load Hrs/week	Total	Grant Total
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Place: Pune
Date: 08 February 2025

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				L	T	P	SEM/ PW/IN		
1	Mrs. A. D. Shiralkar	S.Y.	ECA (3-1-6-0)	3	1	6	-	10	12
		BE/SY M Tech	Project Stage I (0-0-0-2)	-	-	-	2	2	
2	Dr. S. M. Bakre	FY MTech	PC (3-0-0-0)	3	-	-	-	3	13
		FY MTech	Elective I (5-0-0-0)	5	-	-	-	5	
		FY MTech	AC - I (IC) (1-0-0-0)	1	-	-	-	1	
		SY M.Tech	PFM (3-0-0-0)	3	-	-	-	3	
		SY M.Tech	IPR (1-0-0-0)	1	-	-	-	1	
3	Mr. S. V. Shelar	SY	EM (3-0-6-0)	3	-	4	-	7	14
		BE	EL-I (PQM) (3-0-2-0)	3	-	2	-	5	
		BE/SY M Tech	Project Stage I (0-0-0-2)	-	-	-	2	2	
4	Mrs. K .S. Gadgil	SY	ADC (3-0-6-0)	3	-	6	-	9	17
		SY/TY/BE	SWES/ MOOCs (1-0-0-0)	3	-	-	-	3	
		BE/SY M Tech	Project Stage I (0-0-0-2)	-	-	-	2	2	
		FY MTech	RM (3-0-0-0)	3	-	-	-	3	
5	Mr. S. S. Shingare	SY	PSE (3-0-0-0)	3	-	-	-	3	18
		TY	PEMD (3-0-6-0)	3	-	6	-	9	
		BE/SY M Tech	Project Stage I (0-0-0-2)	-	-	-	2	2	
		FY MTech	Lab Practice I (0-0-2-0)	-	-	4	-	4	
6	Mr. V. S. Kamble	TY	PSA (3-0-6-0)	3	-	6	-	9	16
		TY	AC 5 – German I (1-0-0-0)	1	-	-	-	1	
		BE/SY M Tech	Project Stage I (0-0-0-2)	-	-	-	2	2	
		FY MTech	AMPES (4-0-0-0)	4	-	-	-	4	
7	Mrs. S. S. Landge	TY	CSE (3-1-6-0)	3	1	6	-	10	16
		BE	EL-II (EHV) (0-4-0-0)	-	4	-	-	4	
		SY M Tech	Internship (0-0-2-0)	-	-	2	-	2	
8	Mrs. S. M. Shaikh	FY	BEE (6-0-10-0)	6	-	10	-	16	16

Place:Pune

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9	Mrs. V. P. Kuralkar	TY	PEMD(MINOR) (3-0-2-0)	3	-	2	-	5	17
		BE	ACS (3-0-4-0)	3	-	4	-	7	
		BE	AC-VII (GL I) (1-0-0-0)	1	-	-	-	1	
		FY MTech	MAEM (4-0-0-0)	4	-	-	-	4	
10	Mr. P. P. Mahajan	FY	BEE (6-0-10-0)	6	-	10	-	16	16
11	Mr. S.D. Raste	SY	DEG (1-0-0-0)	1	-	-	-	1	17
		TY	IOT (3-0-6-0)	3	-	6	-	9	
		BE	PSOC (3-0-4-0)	3	-	4	-	7	
12	Mr. Y. D. Rashinkar	FY	BEE (3-0-10-0)	3	-	10	-	13	16
		BE	EL-II (EHV) (3-0-0-0)	3	-	-	-	3	
12	Mrs. P. P. Mane	SY	EM (Minor) (3-0-2-0)	3	-	2	-	5	15
		SY	EM (0-0-2-0)	-	-	2	-	2	
		SY	AC 3 – VM (1-0-0-0)	1	-	-	-	1	
		TY	IPR (2-0-0-0)	2	-	-	-	2	
		BE	EL-I (PLC & SCADA) (3-0-2-0)	3	-	2	-	5	
TOTAL LOAD				93	6	94	10	203	203

DEPARTMENT OF ELECTRICAL ENGINEERING
LOAD DISTRIBUTION FOR ACADEMIC YEAR 2024-2025 (SEM-II)
Load Distribution (Academic Year 2024-25) (Semester-II)

Sr. No	Name of Faculty	Class	Subject/ Course	Load Hrs/week				Total	Grant Total
				L	T	P	SEM/ PW/IN		
1	Dr. A. D. Shiralkar	SY	IM (2-0-0-0)	2				2	14
		SY	ES (1-0-6-0)	1		6		7	
		TY	Mini Project (0-0-2-0)			2		2	
		BE/M.Tech	PR II (UG PG) (0-0-2-0)			2		2	

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Date: 08 February 2025

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		SY MTech	TPW@@ (0-1-0-0)		1			1	
2	Mr. S. V. Shelar	SY	MICA (3-0-6-0)	3		6		9	15
		FYMTech	AMA (4-0-0-0)	4				4	
		BE/M.Tech	PR II (UG PG) (0-0-2-0)			2		2	
3	Dr. K. S. Gadgil	SY	CT (3-0-6-0)	3		6		9	16
		TY	Seminar & TPW (1-0-4-0)	1		4		5	
		BE/M.Tech	PR II (UG PG) (0-0-2-0)			2		2	
4	Dr. S. S. Shingare	SY	DCIM (3-0-6-0)	3		6		9	18
		FY MTech	LP II (0-0-4-0)			4		4	
		FY MTech	AC-II (A. HVEE) (1-0-0-0)	1				1	
		TY	Seminar & TPW (0-0-2-0)			2		2	
		BE/M.Tech	PR II (UG PG) (0-0-2-0)			2		2	
5	Dr. V. S. Kamble	TY	PSOC (3-0-6-0)	3		6		9	17
		TY	Mini Project (0-0-2-0)			2		2	
		FY MTech	SAPE (4-0-0-0)	4				4	
		BE/ M.Tech	PR II (UG PG) (0-0-2-0)			2		2	
6	Mrs. S. S. Landge	SY	PE (3-0-6-0)	3		6		9	16
		TY	EV (1-0-4-0)	1		4		5	
		TY	Mini Project (0-0-2-0)			2		2	
7	Mrs. S. M. Shaikh	TY	EMDC (3-0-6-0)	3		6		9	17
		TY	Mini Project (0-0-2-0)			2		2	
		FY MTech	EL II (B.DGMG) (3-0-0-0)	3				3	
		BE	EL-III: (C.SG) (3-0-0-0)	3				3	
8	Dr. V. P. Kuralkar	TY	SGP (3-0-6-0)	3		6		9	17
		TY	SGP (MINOR) (3-0-2-0)	3		2		5	
		FY MTech	ADI (3-0-0-0)	3				3	
9	Mr. P. P. Mahajan	FE	BEE (6-0-12-0)	6		12		18	18

Place:Pune

Date:08February2025

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10	Mr. S. D. Raste	BE	AEDC (3-0-4-0)	3		4		7	17
		SY	ES (0-0-6-0)			6		6	
		FY MTech	AC DC (3-0-0-0)	3				3	
		SY	AC 4 (1-0-0-0)	1				1	
11	Mr. R. R. Waghulde	BE	SGP (3-0-4-0)	3		4		7	17
		BE	AC VIII (1-0-0-0)	1				1	
		FE	BEE (3-0-6-0)	3		6		9	
12	Ms.D. D. Changan	FE	BEE (6-0-12-0)	6		12		18	18
13	Mr. A. A. Joshi	BE	IE (3-0-0-0)	3				3	17
		TY	EV (0-0-8-0)			8		8	
		TY	AC-6 (1-0-0-0)	1				1	
		TY	Mini Project (0-0-2-0)			2		2	
		TY	EL-II (D.SE) (3-0-0-0)	3				3	
TOTAL LOAD				80	1	136	0	217	217

**DEPARTMENT OF INSTRUMENTATION ENGINEERING
LOAD DISTRIBUTION FOR ACADEMIC YEAR 2024-2025 (SEM-I)**

Sr. No.	Name of Faculty	Subject	Class	Theory	Lab	Tutorial	Project (BE)	Total
1	Dr.A.A.Shinde	Data Science	S.Y	3	6	--	2	11
2	Mr. H.P.Chaudhari	Electrical Measurement and Instrumentation	S.Y	3	6	--	2	16
		Automotive Instrumentation	B.E	3	2	--		
3	Dr.V.V.Kale	Analog and Digital Techniques	S.Y	3	6	--	2	17
		Industrial Automation	T.Y	3	2	1		
4	Mrs. S.V. Kulkarni	Sensors and Transducers	S.Y	3	6	--	2	16
		Virtual Instrumentation Lab	B.E	1	4	--		
5	Mr.S.R.Kale B.E.GFM	Embedded System Design	T.Y	3	6	--	2	16
		Data analytics	B.E	3	2	--		

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6	Dr.B.N.Mohapatra S.Y.GFM	Sensors and Transducers (Minor)	S.Y	3	6	--	2	18
		Digital Signal Processing	T.Y	3	--	1		
		Industrial Automation and Control (MOOCs)	S.Y	1	--	--		
		Audit Course Vedic Mathematics	S.Y	1	--	--		
		Democracy Election & Governance	S.Y	1	--	-		
7	Mrs.C.D.Rananaware	Biomedical Instrumentation	T.Y	3	2	--	02	18
		Project Engineering & Management	B.E	3	4	--		
		Sensors and Transducers (Minor)	S.Y	--	4	--		
8	Mr.P.U.Palkar	Process Control Technique	B.E	3	4	--	02	17
		Intellectual Property Rights	T.Y	2	--	--		
		Industrial Automation	T.Y	--	4	--		
		Automotive Instrumentation	B.E	--	2	--		
9	Ms.S.R.Garthe T.Y. GFM	Wireless Sensor Network	B.E	3	2	--	02	18
		Data Science	T.Y	3	4	--		
		Introduction to Biomedical Image System (MOOC)	T.Y	1	--	--		
		Audit Course Foreign language (German/Japan.)	T.Y	1	--	--		
		Sensors and Transducers (Minor)	S.Y	--	2	--		
Total				53	84	02	14	153

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**DEPARTMENT OF INSTRUMENTATION ENGINEERING
LOAD DISTRIBUTION FOR ACADEMIC YEAR 2024-2025 (SEM-II)**

Sr. No.	Name of Faculty	Subject	Class	Theory	Lab	Tutorial	Project	Total
1	Dr.A.A.Shinde	Machine Learning	S.Y	3	6	--	2	11
2	Mr.AmitSaxsena (PoP)	Project Engineering & Management(Minor)	T.Y	3	-	-	-	3
3	Mr. H.P.Chaudhari	Process Control Loop Component	S.Y	3	6	--	2	18
		Process Control Loop Component (Minor)	T.Y	3	4	--		
4	Dr.V.V.Kale	Control System	S.Y	3	--	--	2	18
		PLC Programing	S.Y	1	12			
5	Mrs. S.V. Kulkarni	Industrial Organisation and Management	S.Y	2	-	--	2	17
		Project Based Learning	S.Y	-	6			
		Seminar and Technical Paper writing	T.Y	1	6			
6	Mr.S.S.Jagtap B.E.GFM	Embedded System Design	S.Y	3	6	--	2	19
		Advance Embedded System	B.E	3	4	--		
		Audit Course	B.E	1	-	--		
7	Dr.B.N.Mohapatra S.Y.GFM	Modern Control Theory	T.Y	3	6	--	2	19
		Renewable Energy Systems	B.E	3		--		
		Audit Course Sustainable Development Goals	S.Y	1	--	--		
		Process Control Loop Component (Minor)	S.Y	--	4			
8	Mr.P.U.Palkar	Project Engineering & Management	T.Y	3	6	--	02 Mini Proj.	18
		Process Instrumentation	B.E	3	4	--		
9	Mr.S.R.Kale	Process Instrumentation	T.Y	1	12	--	02 Mini Proj.	19
		Industrial Data Exchange	T.Y	3	--	1		
10	Ms.S.R.Garthe T.Y. GFM	Cyber Security	B.E	3		--	02 Mini	19
		Building Automation	T.Y	3	2	--		

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		Process Control Loop Component (Minor)	S.Y	--	8	--	Proj.		
		Audit Course	T.Y	1	-	-			
Total					50	92	01	18	161

Place:Pune
Date:08February2025

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**DEPARTMENT OF INFORMATION TECHNOLOGY
LOAD DISTRIBUTION FOR ACADEMIC YEAR 2024-2025 (SEM-I)**

Sr. No.	Name of Faculty	Class	Subject	Theory	Practical	Total	Sign of Faculty
1.	Dr. Meenakshi A Thalor	SY	DM	3		11	
		TY	IPR	2			
		SY	DSA-Lab		4		
		BE	Project		2		
2.	Mr. Pritesh A Patil	SY	DBMS	3		17	
		SY	DBMS-Lab		6		
		SY	HCI(MOOC)	1			
		BE	EL-III	3			
		BE	Project		2		
		TY-Minor	SEPM-Lab		2		
3.	Mrs. P. P. Mahale SY GFM	SY	DSA	3		17	
		SY	DSA-Lab		8		
		SY	Audit course	1			
		BE	ISR	3			
		BE	Project		2		
4.	Mrs. A. S. Phapale	SY	DEG	1		17	
		TY	Elective-I	3			
		TY	SL-I		8		
		TY-Minor	SEPM	3			
		BE	Project		2		
5.	Ms. J.C. Pasalkar TY GFM	TY	TOC	3	1(Tut)	17	
		BE	LP-III		10		
		TY	AC	1			
		BE	Project		2		
6.	Mrs. R. Y. Totare BE GFM	TY	Ethical Hacking (MOOC)	1		16	
		TY	SEPM	3			
		TY	SEPM-Lab		6		
		BE	SPM	3			
		BE	AC	1			
		BE	Project		2		
7.	Dr. M. K. Pathak (Project Coordinator)	TY	DCCN	3		17	
		TY	DCCNL		6		
		TY	Honor course cor.	1			
		BE	Deep Learning	3			
		BE	Project		2		
		TY-Minor	SEPM-Lab		2		
8.	Mr. V. J. Desai	SY	DECO	3		17	
		SY	DECOL		6		
		BE	LP-III(ISR based)		2		
		BE	LP-IV		6		
9.	New Staff	SY-Minor	Minor course	3	2	17	
		TY	Ele.- I	3			
		TY	SL-I		4		
		TY-Minor	SEPM-Lab		2		
		BE	Elective-IV	3			

**DEPARTMENT OF INFORMATION TECHNOLOGY
LOAD DISTRIBUTION FOR ACADEMIC YEAR 2024-2025 (SEM-II)**

Place: Pune
Date: 08 February 2025

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Sr. No.	Name of Faculty	Class	Subject	Theory	Practical	Total	Sign of Faculty
1.	Dr. M. A. Thalor	SY	OOP	3		13	
		SY	OOPL		6		
		TY	Seminar and Technical Paper Writing		2		
		BE	Project Stage- II		2		
2.	Dr. P. A. Patil (Exam Coordinator)	SY	MIS	2		17	
		TY	STQA	1			
		TY	STQA		12		
		BE	Project Stage- II		2		
3.	Mrs. P. P. Mahale SY GFM (SY Audit Course + LLC)	SY	WD	1		18	
		SY	WD		12		
		BE	Start-up and Entrepreneurship	3			
		BE	Project Stage- II		2		
4.	Mrs. A. S. Phapale (TnP Coordinator)	TY	OS	3		18	
		TY	OSL		6		
		TY	Seminar and Technical Paper Writing	1	2		
		TY	Minor		2		
		BE	LP V		4		
5.	Ms. J. C. Pasalkar TY GFM (TY Audit Course + LLC)	SY	SY Minor	3		18	
		TY	CC	3			
		TY	Cloud Computing Lab		6		
		BE	LP VI		6		
6.	Dr. R. Y. Totare BE GFM (BE Audit Course)	SY	CG	3		18	
		SY	CG Lab		6		
		TY	Minor		2		
		BE	Elective V	3			
		BE	LP V		4		
7.	Dr. M. K. Pathak (Project Coordinator)	TY	ML	3		18	
		TY	SL II		6		
		TY	Minor		2		
		BE	DS	3			
		BE	LP V		4		
8.	Mr. V. J. Desai	SY	PAI	3	6	18	
		SY	Minor		2		
		TY	Minor	3			
		TY	ML (Tut.)	1			
		BE	Elective VI	3			
9.	Mrs. P. M. Patil	SY	OOPL		6	18	
		TY	Elective II	3			
		TY	SL II		6		
		TY	Seminar and Technical Paper Writing		2		
		TY	Honor course	1			

**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE
LOAD DISTRIBUTION FOR ACADEMIC YEAR 2024-2025 (SEM-I)**

Sr. No.	Staff Name	Class	Subject	Load Hrs/Week			Total	Grand Total
				L	T	P		
1	Dr.R.A.Jamadar	S.Y.(A)	DS	3	--	4	7	12

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		S.Y.(B)	DS	3	--	--	3	
		B.E.	PROJECT	--	--	2	2	
2	Dr.D.S.Zingade	S.Y.(B)	OOP	3	--	12	15	18
		S.Y.(B)	AUDIT	1	--	--	1	
		B.E.	PROJECT	--	--	2	2	
3	Mr. G. H. Wani	S.Y.(A)	DS	--	--	8	8	17
		S.Y.	MINOR	3	--	6	9	
4	Ms. P.D. BormaneGFM S.Y. (A)	S.Y.(A)	OOP	3	--	12	15	18
		S.Y.(A)	AUDIT	1	--	--	1	
		B.E.	PROJECT	--	--	2	2	
5	Ms. Sonali KanwadeGFM B.E. (A)	S.Y.(A)	SE	3	--	--	3	18
		B.E.(A)	ML	3	--	6	9	
		T.Y	MINOR	--	--	4	4	
		B.E.	PROJECT	--	--	2	2	
6	Mrs. S. A. BelheGFM S.Y. (B)	S.Y.(B)	DS	--	--	12	12	18
		B.E.(B)	EL-IV	3	--	--	3	
		T.Y.(A)	AUDIT	1	--	--	1	
		B.E.	PROJECT	--	--	2	2	
7	New Staff 1	T.Y.(A)	CN	3	--	6	9	18
		B.E.(B)	EL-IV	--	--	6	6	
		B.E.(A)	MOOC	1	--	--	1	
		B.E.	PROJECT	--	--	2	2	
8	Ms. S.D.Kadu	T.Y.(B)	CN	3	--	6	9	18
		B.E.(B)	EL-III	--	--	6	6	
		B.E.(B)	MOOC	1	--	--	1	
		B.E.	PROJECT	--	--	2	2	
9	Ms. R. R. OwhalGFM T.Y. (B)	T.Y.(B)	EL-I	3	--	6	9	18
		T.Y.	MINOR	3	--	6	9	
10	Ms. B. D. LambtureGFM B.E. (B)	S.Y.(A)	DEG	1	--	--	1	17
		T.Y.(A)	EL-I	3	--	6	9	
		B.E.(B)	DMV	3	--	4	7	
11	Mr S. D. Kale	S.Y.(B)	DEG	1	--	--	1	18
		S.Y.(B)	SE	3	--	--	3	
		B.E.(A)	DMV	--	--	2	2	
		B.E.(B)	ML	3	--	6	9	
		B.E.(B)	AUDIT	1	--	--	1	
		B.E.	PROJECT	--	--	2	2	
12	Ms. R.N.MalageGFM T.Y. (A)	T.Y.(A)	WT	3	--	6	9	16
		T.Y.	MINOR	3	--	2	5	
		S.Y.(A)	OE	1	--	--	1	
		S.Y.(B)	OE	1	--	--	1	
13	Ms. R.H.Malshikare	B.E.(A)	EL-IV	3	--	6	9	18
		S.Y.	MINOR	3	--	6	9	
14	Ms.S.A.Bagal	T.Y.(A)	ML	3	--	12	15	17
		T.Y.(B)	IPR	2	--	--	2	

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15	Ms.M.B.Thorat	T.Y.(A)	IPR	2	--	--	2	17
		T.Y.(B)	ML	3	--	12	15	
16	Mr.B.B.Kondbhar	T.Y.(B)	WT	3	--	6	9	17
		B.E.(A)	DMV	3	--	4	7	
		T.Y.(B)	AUDIT	1	--	--	1	
17	New Staff 2	B.E.(A)	EL-III	3	--	6	9	17
		B.E.(B)	EL-III	3	--	--	3	
		B.E.(A)	AUDIT	1	--	--	1	
		B.E.(B)	DMV	--	--	2	2	
		T.Y.(A)	OE	1	--	--	1	
18	Dr.S.S.Shaikh	F.Y.	PSP	--	--	--	--	18

**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE LOAD
DISTRIBUTION FOR ACADEMIC YEAR 2024-2025 (SEM-II)**

Sr. No.	Staff Name	Class	Subject	Load Hrs/Week			Total	Grand Total
				L	T	P		
1	Dr.R.A.Jamadar	S.Y.(A)	DAP	1	--	4	5	12
		S.Y.(B)	DAP	1	--	4	5	
		B.E.	PROJECT	--	--	2	2	
2	Dr.D.S.Zingade	S.Y.(B)	AI	3	--	6	9	18
		T.Y.(A)	PRA	--	--	6	6	
		T.Y.(B)	AUDIT	1	--	--	1	
		B.E.	PROJECT	--	--	2	2	
3	Mr. G. H. Wani	S.Y.(A)	PM	2	--	0	2	18
		B.E.(A)	BI	--	--	4	4	
		B.E.(B)	BI	3	--	6	9	
		B.E.(A)	AUDIT	1	--	--	1	
		B.E.	PROJECT	--	--	2	2	
4	Ms. P.D. Bormane GFM S.Y. (A)	S.Y.(A)	AI	3	--	6	9	18
		B.E.(A)	CL-III	--	--	6	6	
		T.Y.(A)	AUDIT	1	--	--	1	
		B.E.	PROJECT	--	--	2	2	
5	Mrs. S. A. Belhe GFM S.Y. (B)	S.Y.(B)	DBMS	3	--	6	9	18
		T.Y.(B)	STP	1	--	6	7	
		B.E.	PROJECT	--	--	2	2	
6	Ms. S.D.Kadu	S.Y.(B)	PM	2	--	--	2	17
		T.Y.(B)	CC	3	--	4	7	
		S.Y.(B)	DBMS	--	--	6	6	
		B.E.	PROJECT	--	--	2	2	
7	Ms. R. R. Owhal GFM T.Y. (B)	T.Y.(A)	EL-II	3	--	6	9	18
		T.Y.(B)	DL	3	--	6	9	
8	Ms. B. D. Lambture GFM B.E.	S.Y.(A)	OS	3	--	--	3	17
		S.Y.(A)	DAP	--	--	4	4	

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	(B)	B.E.(B)	CI	3	--	6	9	
		B.E.(B)	AUDIT	1	--	--	1	
9	Mr S. D. Kale	S.Y.(B)	OS	3	--	--	3	18
		T.Y.(B)	CC	--	--	8	8	
		B.E.(A)	BI	3	--	2	5	
		B.E.	PROJECT	--	--	2	2	
10	Ms. R.N.MalageGFM T.Y. (A)	T.Y.(A)	CC	3	--	12	15	18
		B.E.(A)	CI	3	--	--	3	
11	Ms.S.A.Bagal	T.Y.(A)	DL	3	--	6	9	18
		T.Y.(B)	PRA	--	--	6	6	
		B.E.(B)	DC	3	--	--	3	
12	Ms.M.B.Thorat	S.Y.(A)	EDA	3	--	6	9	17
		T.Y.(A)	PRA	1	--	--	1	
		T.Y.(B)	PRA	1	--	6	7	
13	Mr.B.B.Kondbhar	S.Y.(B)	EDA	3	--	6	9	17
		T.Y.(B)	ML OPS	3	--	4	7	
		S.Y.(B)	AUDIT	1	--	--	1	
14	Dr.S.S.Shaikh	S.Y.(A)	DBMS	3	--	6	9	18
		T.Y.(A)	STP	1	--	6	7	
		B.E.	PROJECT	--	--	2	2	
15	Ms.K.V.Thore	S.Y.(A)	DAP	--	--	4	4	18
		T.Y.(A)	ML OPS	3	--	6	9	
		T.Y.(B)	ML OPS	--	--	2	2	
		B.E.(A)	BDA	3	--	--	3	
16	Ms.S.V.Gupta	T.Y.(B)	EL-II	3	--	6	9	18
		T.Y.(A)	PRA	--	--	6	6	
		B.E.(A)	DC	3	--	--	3	
17	New Staff 1	S.Y.(A)	DBMS	--	--	6	6	18
		S.Y.(B)	DAP	--	--	8	8	
		B.E.(B)	BDA	3	--	--	3	
		S.Y.(A)	AUDIT	1	--	--	1	

**DEPARTMENT OF ENGINEERING SCIENCE
LOAD DISTRIBUTION FOR ACADEMIC YEAR 2024-2025 (SEM-I)**

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 Raghuvansh	Engineering Physics	F.Y.B.Tech	6	10	16
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	Dr.Poonam Kaswan	Industrial Chemistry	F.Y.B.Tech	6	10	16
7	Mrs.G.N.Mawale	Engineering Mechanics	F.Y.B.Tech	4	12	16
8	Mr.V.D.Deshmukh	Engineering Mechanics	F.Y.B.Tech	4	12	16
9	Mr.P.D.Nimbalkar	Engineering Mechanics	F.Y.B.Tech	4	12	16
10	Mrs.R.L.Nanaware	Engineering Mechanics	F.Y.B.Tech	4	12	16
11	Mr.A.H.Raheja	Engineering Mechanics	F.Y.B.Tech	4	12	16
12	Mr.R.B.Tope	Engineering Mathematics I	F.Y.B.Tech		12	12

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		Applied Mathematics(ENTC)	S.Y.B.Tech	6		
13	Mr.N.A.Shaikh	Engineering Mathematics I	F.Y.B.Tech		12	18
		Discrete Mathematics and Statistics(AIDS)	S.Y.B.Tech	6		
14	Mr.Jayesh Savaliya	Engineering Mathematics I	F.Y.B.Tech	6	12	18
15	Mr.P.B.Shinde	Engineering Mathematics I	F.Y.B.Tech	9	6	15
16	Mr.D.S.Shelar	Engineering Mathematics I	F.Y.B.Tech	9	6	15
17	Ms.S.S.Raskar	Engineering Mathematics I	F.Y.B.Tech	6	12	18
18	Mr.M.B.Nigade	Engineering Graphics and introduction to CAD	F.Y.B.Tech	1	10	16
		Project Based Learning Management I			4	
		Universal Human Values-I		1		
19	Mr.A.J.More	Engineering Graphics and introduction to CAD	F.Y.B.Tech	2	8	16
		Project Based Learning Management I			6	
20	Mr.S.S.Gadadhe	Engineering Graphics and introduction to CAD	F.Y.B.Tech	2	8	16
		Project Based Learning Management I			4	
		Universal Human Values-I		2		
21	Mr.N.P.Bhone	Engineering Graphics and introduction to CAD	F.Y.B.Tech	1	10	16
		Project Based Learning Management I			4	
		Universal Human Values-I		1		
22	Mr.A.S.Apate	Engineering Graphics and introduction to CAD	F.Y.B.Tech	2	8	16
		Project Based Learning Management I			4	
		Universal Human Values-I		2		
23	Mr.N.D.Gaikwad	Engineering Graphics and introduction to CAD	F.Y.B.Tech	1	6	16
		Project Based Learning Management I			6	
		Universal Human Values-I		F.Y.B.Tech	3	
24	Dr.Pritam Saha	Engineering Graphics and introduction to CAD	F.Y.B.Tech	1	10	16
		Project Based Learning Management I			4	
		Universal Human Values-I			1	
25	Mr.P.A.Patil	Basic Electronics Engineering	F.Y.B.Tech	15	0	15
26	Mr.C.K.Bhange	Basic Electronics Engineering	F.Y.B.Tech		12	12
27	Mrs.Supriya Lohar	Basic Electronics Engineering	F.Y.B.Tech	0	18	18
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	Mr.A.A.Joshi	Basic Electrical Engineering	F.Y.B.Tech	3	10	13
31	Mr.P.B.Wakhare	Problem Solving and Programming-I	F.Y.B.Tech	4	12	16
32	Ms.S.K.More	Problem Solving and Programming-I	F.Y.B.Tech	4	12	16
33	Mr.S.B.Deokate	Problem Solving and Programming-I	F.Y.B.Tech	4	12	16
34	Ms.S.C.Rathod	Problem Solving and Programming-I	F.Y.B.Tech	4	12	16
35	Ms.T.G.Mangave	Problem Solving and Programming-I	F.Y.B.Tech	4	12	16
36	Mrs.D.S.Morey	Sports-I	F.Y.B.Tech	10	0	10

DEPARTMENT OF ENGINEERING SCIENCE
LOAD DISTRIBUTION FOR ACADEMIC YEAR 2024-2025 (SEM-II)

Sr.No	Name of Staff	Subject	Class	Theory	Pr	Total
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1	Dr.P.G.Musrif	EngineeringPhysics	F.Y.B.Tech	6	6	12
2	Mr.S.V. Arlikar	EngineeringPhysics	F.Y.B.Tech	3	14	17
3	Dr.ManishaRaghuvansh	EngineeringPhysics	F.Y.B.Tech	6	10	16
4	Dr.Y.P.Patil	IndustrialChemistry	F.Y.B.Tech	6	8	14
5	Dr.NidhiSharma	IndustrialChemistry	F.Y.B.Tech	3	12	15
6	Dr. PoonamKaswan	IndustrialChemistry	F.Y.B.Tech	6	10	16
7	Mrs.G.N.Mawale	EnviromentalInformatics	F.Y.B.Tech		12	16
		UniversalHumanValues-II	F.Y.B.Tech	2		
		UNNAT Bharat Abhiyan	F.Y.B.Tech	2		
8	Mr.P.D.Nimbalkar	EnviromentalInformatics	F.Y.B.Tech		12	18
		UniversalHumanValues-II	F.Y.B.Tech	3		
		UNNAT Bharat Abhiyan	F.Y.B.Tech	3		
9	Mrs.R.L.Nanaware	EnviromentalInformatics	F.Y.B.Tech		12	18
		UniversalHumanValues-II		3		
		UNNAT Bharat Abhiyan	F.Y.B.Tech	3		
10	Mr.A.H.Raheja	EnviromentalInformatics	F.Y.B.Tech		12	16
		ProjectBasedLearningManagementII			2	
		UniversalHumanValues-II		1		
		UNNATBharatAbhiyan	F.Y.B.Tech	1		
11	Mr.V.D.Deshmukh	EnviromentalInformatics	F.Y.B.Tech		12	16
		ProjectBasedLearningManagementII	F.Y.B.Tech		2	
		UniversalHumanValues-II		1		
		UNNATBharatAbhiyan	F.Y.B.Tech	1		
12	Mr.R.B.Tope	EngineeringMathematicsII	F.Y.B.Tech	3	10	16
		ProbabilityandStatistics	S.Y.B.Tech	3		
13	Mr.N.A.Shaikh	EngineeringMathematicsII	F.Y.B.Tech		12	18
		AppliedMathematicsandcomputationalstatistics	S.Y.B.Tech	6		
14	Mr.JayeshSavaliya	EngineeringMathematicsII	F.Y.B.Tech	6	12	18
15	Mr.D.S.Shelar	EngineeringMathematicsII	F.Y.B.Tech	9	4	15
		Ph.D(Mathematics)	Ph.D	2		
16	Mr.P.B.Shinde	EngineeringMathematicsII	F.Y.B.Tech	6	10	16
17	Ms.S.S.Raskar	EngineeringMathematicsII	F.Y.B.Tech	6	12	18
18	Mr.M.B.Nigade	BasicsinMechanicalEngineering	F.Y.B.Tech	1	10	15
		ProjectBasedLearningManagementII			4	
19	Mr.A.J. More	BasicsinMechanicalEngineering	F.Y.B.Tech	2	10	16
		ProjectBasedLearningManagementII			4	
20	Mr.S.S.Gadadhe	BasicsinMechanicalEngineering	F.Y.B.Tech	2	10	16
		ProjectBasedLearningManagementII	F.Y.B.Tech		4	
21	Mr.N.P.Bhone	BasicsinMechanicalEngineering	F.Y.B.Tech	1	10	15
		ProjectBasedLearningManagementII			4	
22	Mr.A.S.Apate	BasicsinMechanicalEngineering	F.Y.B.Tech	2	10	16
		ProjectBasedLearningManagementII			4	

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23	Mr.N.D.Gaikwad	ProjectBasedLearningManagementII	F.Y.B.Tech		16	16
24	Dr. PritamSaha	BasicsinMechanicalEngineering	F.Y.B.Tech	2	10	16
		ProjectBasedLearningManagementII			4	
25	Ms.P.K.Shinde	ProjectBasedLearningManagementII	F.Y.B.Tech		16	16
26	Mr.P.A.Patil	BasicElectronicsEngineering	F.Y.B.Tech	15	0	15
27	Mr.C.K.Bhange	BasicElectronicsEngineering	F.Y.B.Tech		12	12
28	Mrs.S.V.Lohar	BasicElectronicsEngineering	F.Y.B.Tech	0	18	18
29	Mr.P.P.Mahajan	BasicElectricalEngineering	F.Y.B.Tech	6	12	18
30	Mr.R.R.Waghulde	BasicElectricalEngineering	F.Y.B.Tech	3	6	9
31	Ms.D.D.Chagan	BasicElectricalEngineering	F.Y.B.Tech	6	12	18
32	Mr.P.B.Wakhare	ProblemSolvingandProgramming-II	F.Y.B.Tech	4	12	16
33	Ms.S.K. More	ProblemSolvingandProgramming-II	F.Y.B.Tech	4	12	16
34	Mr.S.B.Deokate	ProblemSolvingandProgramming-II	F.Y.B.Tech	4	12	16
35	Ms.S.C.Rathod	ProblemSolvingandProgramming-II	F.Y.B.Tech	4	12	16
36	MsT.G.Mangave	ProblemSolvingandProgramming-II	F.Y.B.Tech	4	12	16
37	Mrs. D. S. Morey	YOGA	F.Y.B.Tech	10	0	10

InternalContinuousEvaluationSystem

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 member does 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 member evaluate the students based on timely submission, presentation and understanding.
- Mock practical examination is also organised after the completion of all practical, in order to make students ready for practical examination.
- Progress presentations and mock demonstration of the projects are organised twice in each semester for

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students of 3rd year and final year.

□ Project exhibition is organized for final demonstration and external assessors are invited 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” and department 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 times 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)
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Curricula and Syllabi	<p>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</p> <p>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</p>
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Laboratory facilities exclusive to the Post Graduate Course Electrical

Sr. No.	Name of the Equipment	Description/Features of the Equipment
1	Power Quality and Energy Analyzer	Fluke 435-II Flicker, Transients, Power Wave, Mains Signaling, Wave Event, Rms Event, and 0.1% voltage input accuracy. Moreover Fluke 437-II has additional features such as
		Shipboard V/A/Hz and the possibility to measure in 400 Hz power systems, and has a heavy duty Hard Case with rollers. Energy loss calculator inbuilt.
2	Fluke Current Probe	5AAC-3Pack

Laboratory facilities exclusive to the Post Graduate Course E&TC

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Sr. No.	NameoftheEquipment	Description/FeaturesoftheEquipment
1	TMS320C6713Starterkitalong with CCS	Embedded JTAG support via USB, High-quality 24-bitstereo codec, Four 3.5mm audio jacks for microphone, line in, speaker and line out, 512K words of Flash and16 MB SDRAM,Expansionportconnectorforplug-inmodules, On-board standard IEEE JTAG interface, +5V universalpower supply
2	ARMCortexLPC1768trainer Board	Controller: CORTEX M3 Based LPC1768 from NXP, Clock Used: 12MHz for Controller, Power: On Board, Stackable daughter board LPC1768, interfacingLED's.1*4interfacing 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 boardvoltagelevelconverter,ONboard2channelsCAN interface.
3.	Sparten-6FPGABoard	500ksystemgates,3840logiccells,4800flipflops,75K distributedRAM,216KbblockRAM,FPGA-ICinaTQG 144,Pinpackagewith102I/Olines,I/Otolerant3.3V, Volatile device
4.	LENOVODesktopPC	V520-15IKL-10NLS08Uooi37 th Generation,4GBRAM,1 TBHDD,DVDRW,KB,Mouse,windowsPRO18.5

SpecialPurpose

Software,Alldesigntoolsincase Electrical

Sr. No.	NameoftheSoftware	Description/FeaturesoftheEquipment
1	EDSA	01User
2	PSIMSsoftware(Academic)	05Users
3	CCompiler	05Users
4	ETAP18.1.1Version	15Users

E&TC

Sr. No.	NameoftheSoftware	Description/FeaturesoftheEquipment
1	Xilinx9.2ModelSim XE	Verylowcost,high-performancelogicsolutionfor high-volume, cost-conscious applications , Dual-range VCCAUXsupplysimplifies3.3V-onlydesignSuspend, Hibernate modes reduce system power Multi-voltage,multi-standard, Hierarchical Select RAM
2	MATLAB(15users)	BasicMatlab,Simulink,CommunicationToolbox,Control System Toolbox, Image Processing Toolbox, Signal Processing Toolbox, Sim Power System, RF Toolbox
3	Microwind3.1DSCH(15User)	Microwind3 unifies schematic entry, pattern based simulator, SPICE extraction of schematic, Verilogextractor, 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 unmatcheddesignperformanceanddesigner productivity.The package contains a library of common logic and analog ICs to view and simulate

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**M.Tech.ELECTRICAL(Power Electronics and Drives)
ACADEMIC CALENDER 2024-25 SEM-I**

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

ACADEMIC CALENDER 2024-25 SEM-II

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

**M.Tech.E&TC(VLSI and Embedded Systems)
ACADEMIC CALENDER 2024-25 SEM-I**

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

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ACADEMICCALENDER2024-25SEM-II

Sr. No.	Detailsof Activity	Date
1	CommencementofTeaching	22/01/25
2	Conclusion of Teaching	18/05/25
3	FirstIn-SemesterEvaluation	12/02/25to17/02/25
4	SecondIn-SemesterEvaluation	18/03/25to23/03/25
5	MidSemesterSubmission	29/03/25
6	EndSemesterSubmission	18/05/25
7	Practical/OralExamination	20/05/25to25/05/25
8	EndSemesterExamination	27/05/25to08/06/25
9	DeclarationofResultforSemester II	22/06/25
10	Re-examinationforSemesterIandSemester II	01/07/25to13/07/25

(16) Enrollmentofstudentsinthelast3years

Please refer point 10 “Program”

(17) ListofResearchProjects/ConsultancyWorks

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 ishaving36 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.

□NumberofProjectscarriedout,fundingagency,Grantreceived

Sr No	Branch	Name of the Investigator(s)	Title of the Research Project/Scheme	Nameof the funding Agency	Durationof the project/scheme	Amount Sanctioned (Rs.)	Major/ Minor	Grant Sanction date
1	Instrumentation	Dr.D.R.Shende	MODROB	AICTE	2year	12,00,000	Major	23-01-2020
2	Electrical	SachinShelar	Development of PQ Experience Center	Smt.Mira Tagare	2Years	25,00,000	Major	12-10-2020
3	ALL	Dr.P.B.Mane and Dr. Y. P. Patil	2020IEEE HAC &SIGHT Projects: Responseto COVID-19	IEEE	06months	\$4418	Mini	25-06-2020

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4	ALL	Dr.P.B.Mane and Dr. Y. P. Patil	S.E.T.U– Smart Educational Training Unit SPDP- SkillandPerson ality Development ProgrammeCentre for SC/ST Students	A.I.C.T.E. GoI	36months	INR 8,46,411	Major	03-03-2020
5	ALL	Dr.P.B.Mane and Dr. Y. P. Patil	AICTE-SPICE S:Scheme for Promoting Interests, Creativityand Ethics among Students (SPICES)	A.I.C.T.E. GoI	12months	INR 1,00,000	MINOR	09-04-2021
6	ALL	Dr.S.A. Panwar,Dr.R. B.Dhumale,Dr P B Mane	IEEEHAC- SIGHT HAM Radio Set Up for FloodProne Area	IEEE	06months	\$5000	Mini	04-03-2023

□ NumberofConsultancyWorks

SrNo	Date From	DateTo	ConsultancyFor	Industry	SupportingStaff
1	10-06-2020	30-06-2020	MessungSystems	MessungSystems	ProfS.V.Shelar
2	10-07-2020	10-07-2020	VITCollege	VITCollege	ProfS.V.Shelar
3	10-07-2020	10-07-2020	VITCollege	VITCollege	ProfS.V.Shelar
4	27-07-2020	29-07-2020	ReflexissystemsIndiaPvt Ltd	Reflexis systems India Pvt Ltd	ProfS.V.Shelar
5	01-08-2020	01-08-2020	SubodhanEngineersPvtLtd	VirajEngineer	ProfS.V.Shelar
6	02-09-2020	02-09-2020	ShubhshreeEnterprises	OTPI Components Pvt Ltd	ProfS.V.Shelar
7	14-10-2020	14-10-2020	SubodhanEngineersPvtLtd	RuchaEngineering	ProfS.V.Shelar
8	29-06-2020	12-09-2020	MessungSystems	MessungSystems	ProfS.V.Shelar
9	20-10-2020	21-10-2020	MessungSystems	StamcoSteel	ProfS.V.Shelar
10	14-10-2020	27-10-2020	SASPowertechPvt Ltd	CDAC Pune	ProfS.V.Shelar
11	20-06-2020	20-12-2020	SapekshTechnologiesPvtLtd	SapekshTechnologie sPvtLtd	SMShaikh

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12	04-03-2021	07-03-2021	SubodhanEngineersPvtLtd	VarrocPolymersPvt. Ltd	--
13	02-12-2020	02-12-2020	400KVJejuriSubstation	--	Mr.S.V.Shelar
					Dr.S.M.Bakre
14	11-03-2021	11-03-2021	400KVLonikandSubstationI and II	-	Mr.S.V.Shelar
			(PQMeasurementand analysis)		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	SapekshTechnologiesPvtLtd	SapekshTechnologiesPvtLtd	Mr.S.V.Shelar
					SMShaikh
17	04-03-2021	07-03-2021	SubodhanEngineersPvtLtd	VarrocPolymersPvt. Ltd	--
18	02-12-2020	02-12-2020	400KVJejuriSubstation	--	Mr.S.V.Shelar
					Dr.S.M.Bakre
19	11-03-2021	11-03-2021	400KVLonikandSubstationI and II	-	Mr.S.V.Shelar
			(PQMeasurementand analysis)		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	XYPlotterCartesianPlotter	SVRInfotech,Pune	Mr.S.R.Kale
22	01-06-2022	01-12-2022	Socialmediapublicity	WaniInstitute	Mr.G.J.Navale
23	01-06-2022	01-12-2022	Socialmediapublicity,Casnet	WaniInstitute	Dr.ChetanAher
24	31-01-2022	31-03-2022	ConditionbaseMaintenance of Street Light	Fevino Industries, Pune	Dr. R. B. Dhumale
25	07-07-2021	31-12-2021	ConditionbaseMaintenance of Street Light	Fevino Industries, Pune	Dr. R. B. Dhumale
26	01-01-2021	01-03-2021	Websitedevelopmentand AI-ML.	ASSIMILATE TechnologyPvt.Ltd.	Dr.S.N.Zaware
27	01-01-2021	01-03-2021	ToProvidecoursetraining material.	upGrad Education Pvt. Ltd.	Mrs. Shilpa Pimpalkar
28	08-17-2022	24-Aug-22	Power Quality Audit – measurementsandanalysisat solar plant using class A power quality analyser – Fluke 435 II.	BrawnEnergy	Mr.SachinShelar
29	12-05-2022	12-07-2022	Power Quality Audit - 24 hoursReactivePowerAudit	ShardaIndustries	Mr.SachinShelar
30	12-08-2022	12-09-2022	Power Quality Audit - 24 hoursReactivePowerAudit	VIIT	Mr.SachinShelar
			andIEEE519-2014 Compliance		
31	02-18-2023	02-19-2023	Power Quality Audit - 24 hoursReactivePowerAudit	ShardaIndustries	Mr.SachinShelar

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

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
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

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Rajvimal Engineering works,Pune	22-07-2022	Life time	MoU	4 FE
Red Enviro Consultancy and Engineering services pvtLtd	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
PraddnyaSikachiAs sociates	10-08-2022	Life time	MoU	4 FE
SleepsureComfort 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
NexusInfosecL. L. C.	31/1/2023	5 years	Seminar on Importance of OffensiveSecurity in the World	81 IT
Rubiscape	06-09-2022	3 years (6/09/2022 to 6/09/2025)	OneDayFDPon DataVisualization, 7/10/2022	17 IT
GenjeeTechnologies Pvt. Ltd.	18/08/2022	1 year (18/08/2022 to 17/08/2023)	Event: Hipi Stunner and executeaTalent Hunt	90 IT
Noveracian Global Pvt. Ltd.	11-08-2022	Lifelong	Event:PitcherAlly on 13/10/2022	102 IT
WeShine	2021	Lifelong	Exam Software Purchase	540 IT
WebHubTechnology	14/06/2021	Lifelong	FacultyIndustrial Training	1 IT

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ThetaMeasurment 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.Servicesolution andproductrange by company 2.Industrial communication protocol. 3.Interactionwith HR and understood the interviewselection process by company 4.Study of twin and map technology.	11 Instrumentation
Celestialinstitute of technology	24/12/2022	Lifelong	1.Placement opportuniies 2.Inter enship and sponsred projects 3.Discussion on aptitude and interview process	6 Instrumentation
AUTOINTELL services	14/10/2022	Lifelong	1. FindtheLow cost solution to Industrial Automation. 2. Build the select the various components for projectandProject Engineering Management. 3.Howtoutilize the budget	45 Instrumentation
Connecting Dreams Foundation	2023	2 Years	FDPandStudents workshop	120/16 Computer
Codekul Private Limited	2022	1 Years	Internship and TrainingonCyber security.	45 Computer
Prygma Information systems LLP	2023	1 Years	Workshops and Expert Lecture	120 Computer

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Kasnet Technologies Pvt.Ltd.	2022	2 Years	Internship on AWS completed	10 Computer
Wolfearth 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 Development 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 Mindson 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
			MCCIA Edu Fest 2022 Industry Academia Meet. on 26.11.2022	

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SI UK	07.01.2023	Two Years	Education Fair	17 E&TC
SyslabAutomation 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
RudronicsTechnologiesLLP 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	Additional Course
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	

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17	2010-2011	Ref.No.CA/538dated23-06-2012	
18	2011-2012	Ref.No.CA/2117dated16-05-2012	
19	2011-2012	Ref.No.CA/286dated17-01-2013	
20	2012-2013	Ref.No.CA/3229dated25-10-2012	
21	2012-2013	Ref.No.CA/1189dated08-06-2013	Additional Intake
22	2012-2013	Ref.No.CA/1103dated29-05-2013	
23	2012-2013	Ref.No.CA/1486dated24-06-2013(BEComputer,Electrical, Electronics,InstrumentationEngineering)	Permanant Affiliation
24	2012-2013	Ref.No.CA/4236dated09-05-2014	
25	2013-2014	Ref.No.CA/3006dated17-10-2013	Additional Course
26	2013-2014	Ref.No.CA/4254dated10-05-2014	Additional Course
27	2013-2014	Ref.No.CA/4131dated08-05-2014	
28	2013-2014	Ref.No.CA/5972dated16-06-2014	
29	2014-2017	Ref.No.CA/8693dated16-12-2014(ResearchCenter)	PhDElectronics
30	2014-2015	Ref.No.CA/4361dated21-05-2014	
31	2014-2015	Ref.No.CA/5971dated16-06-2014	
32	2015-2016	Ref.No.CA/1283dated30-03-2015	
33	2015-2016	Ref.No.CA/1810dated08-05-2015	
34	2016-2017	Ref.No.CA/553dated18-03-2016	
35	2016-2017	Ref.No.CA/1357dated26-05-2016	
36	2016-2020	Ref.No.CA/3795dated12-11-2016(ResearchCenter)	PhDElectronics
37	2017-2018	Ref.No.CA/1008dated26-07-2017	
38	2017-2018	Ref.No.CA/571dated05-04-2018	
39	2018-2019	Ref.No.CA/2242dated19-09-2018	
40	2018-2019	Ref.No.CA/345dated07-03-2022	
41	2019-2020	Ref.No.CA/581dated14-05-2019	
42	2019-2020	Ref.No.CA/349dated07-03-2022	
43	2019-2020	Ref.No.CA/1699dated12-12-2019(MEE&TC,MEElectrical, BEInformationTechnology,E&TCIstandIIIndDivision, E&TCIIndShift,ComputerIIIndShift)	PermanantAffiliation
44	2020-21	Ref.No.CA/531Dated05-08-2020	
45	2020-21	Ref.No.CA/639Dated07-09-2020	Additional Course
46	2020-21	Ref.No.CA/690Dated06-10-2020	Additional Course
47	2020-21	Ref.No.CA524Dated17-05-2021(ResearchCenter)	PhDElectronics
48	2021-22	Ref.No.CA944Dated23-07-2021	
49	2022-23	Ref.No.CA1473Dated29-08-2022	
50	2023.24	Ref.No.CA1650Dated12-07-2023	
51	2024-25		

Sr No	Year	AICTEEOANo.& date	Remarks
1	1999-2000	F.No.740-89-326(E)/ET/98,dated06-10-1998	
2	2000-2001	F.No.740-89-326(E)/ET/98,dated02-11-2000	
3	2001-2002	F.No.740-89-326(E)/ET/98,dated18-06-2001	
4	2002-2003	F.No.740-89-326(E)/ET/98,dated14-06-2002	
5	2003-2004	F.No.740-89-326(E)/ET/98,dated13-06-2003	

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6	2004-2005	F.No.740-89-326(E)/ET/98,dated14-05-2004	
7	2005-2006	F.No.740-89-326(E)/ET/98,dated24-06-2005	
8	2006-2007	F.No.740-89-326(E)/ET/98,dated19-05-2006	
9	2006-2007	F.No.740-89-326(E)/ET/98,dated26-06-2006	Additional Intake
10	2007-2008	F.No.740-89-326(E)/ET/98,dated20-06-2007	
11	2007-2008	F.No.740-89-326(E)/ET/98,dated27-07-2007	
12	2008-2011	F.No.740-89-326(E)/ET/98,dated02-05-2008	
13	2008-2011	F.No.740-89-201(E)/RC/94,dated30-06-2008	Additional Course
14	2009-2011	F.No.WesternRegion,Maharashtra/1-5165001/2010/EOAdated 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/EOAdated01-09-2011	
17	2012-2013	F.No.Western/1-688321571/2012/EOAdated10-05-2012	
18	2013-2014	F.No.Western/1-1443602982/2013/EOAdated19-03-2013	
19	2014-2015	F.No.Western/1-2013664701/2014/EOAdated04-06-2014	
20	2015-2016	F.No.Western/1-2452208260/2015/EOAdated07-04-2015	
21	2016-2017	F.No.Western/1-2809673099/2016/EOAdated05-04-2016	
22	2017-2018	F.No.Western/1-3323442416/2017/EOAdated30-03-2017	
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/EOAdated04-04-2018	
25	2019-2020	F.No.Western/1-4259373949/2019/EOAdated10-04-2019	
26	2020-2021	F.No.Western/1-7014342244/2020/EOAdated15.06.2020	
27	2021-2022	F.No.Western/1-9318519279/2021/EOAdated25.06.2021	
28	2022-2023	F.No.Western/1-10974212312/2022/EOAdated03.07.2022	
29	2022-2023	F.No.Western/1-10974212312/2022/EOAdated03.07.2022	Extended Extension of Approval for threeyears
30	2023-2024	F.No.Western/1-36515506441/2023/EOAdated10.06.2023	
31	2024-2025		

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(19) Accountedauditedstatementforthelastthreeyears(2021-2022,2022-2023&2023-2024)

Income and expenditure:

SrNo	Income	2021-2022	2022-2023	2023-2024
1	IncomeFromCentralGovt	---	---	
2	IncomeFrom UGC	---	---	
3	IncomeFromStateGovt	---	---	
4	IncomeFromOtherBodies	---	---	
5	IncomeFromStudentFees	264415026.00	282291784.00	262164498.00
6	IncomeFromOther/InternalRevenue	792533.00	1722956.60	1172131.00
7	IncomeFromDonations	---	---	----
TotalIncome		265207559.50	284014740.60	263336629.00

SrNo	Expenditure	2021-2022	2022-2023	2023-2024
1	SalaryTeachingStaff	119366576.00	149569012.00	146788420.00
2	Equipment	8060346.00	3969446.00	12640074.00
3	RmunerationtoVisiting/Guest	202249.00	312806.00	324357.00
4	BuildingMaintenance	4944191.00	5018677.00	5273544.00
5	SalaryNon-teachingStaff	28148996.00	36838815.00	38853344.00
6	OtherExpenditure	52558519.00	51630261.77	55115962.00
7	Library	1401031.00	1773447.00	1490724.00
TotalExpenditure		214681908.00	300742726.54	315602387.00

(20) BestPracticesadopted,if any

- **Use of Language Lab software:** For improvementinreadingandverbalcommunicationskills of the students language lab software is used.
- **Open Course Ware (OCW)** assignment: Students are asked towatchvideolecturesavailableon 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:**Everyweeklibraryhourisincorporatedinregulartimetabletoinstillself-learning habit. The students refer to books/journals and write summary of the contents read. Thishelpsto improve the written communication skills of the students.
- **Lexicon Power:** Every day a new word and its meaning is written onadisplayboardtoimprove 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 Technology achieved 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' presented by 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 prize of 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 VDGOD 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, Assistant Professor, 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 received 'Best Paper of Session-IOTTRACK' in IEEE-ESCI 2020 conference. Mr. Vikas Desai, Assistant Professor, E&TC department received Gold Medals at Dr. Jigoro Kano Championship 2019 held at Mumbai and 46th MH judo Championship, Dhule.

Our students bagged 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 Rs 25000/-. Shreyas Shah (ELEX), Shubham Age (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 MAKEATHON organized 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

Place: Pune
Date: 08 February 2025

(Authorized Signature)
Dr Pradeep B Mane
Principal, AISSMS IOIT,

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HACKTHON organized by IEEE. Mr.RajendraDundappa Shilin (TE ENTC)wonfirst prize andcashprize of Rs 2000/- at 6th National Level TechnicalExpoorganizedbyKJCollegeofEngineeringandResearch, Pune . He also bagged First Runner-Up prize and cash prize ofRs8888/-inprojectcompetitionorganized by Universal College of Engineering &Research.Mr. Gaurav Sonawane (TE ENTC)received ‘Outstanding Student Volunteer Award’fromIEEEIndiacouncil.YashGawade, (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) andAdityaBaradkar (TE INSTRUMENTATION)received‘student membervolunteeraward’ofIEEEPuneSection 2019. The institute received grant worth Rs50,88,623/-for arrangingconferences andworkshops , laboratory setups, implementing projects, Modrob, Travel grant for students,Skill and personality development program centre for SC/ST student,Conferencesand for activities ofStudent development organization.

EarnandLearnScheme:FirstInstallment:172800/-RupeesReceivedon2023-2024

- 1) PaymentofSeptember2023:Rupees56070/-Hours:1246,(41Students)
 - 2) PaymentofOctober2023:Rupees80190/-hours:1782,(37Students)
 - 3) PaymentofNovemer2023:Rupees29790/-hours:662,(24Students)
 - 4) PaymentofDecember2023:Rupees6750/-hours:150,(05Students)
- Total Hours =3840, Total Payment 1,72,800/-

MediaCoverage



Department of Electronics and Telecommunication Engineering of AISSMS Institute of Information Technology Pune visited ICFAI IBS business school Hadapsar Pune on 10 February2023fordiscussiontheircertifications,Careerdilemmas,expandtheirhorizons and help students to explore options after graduation. This education tour organised by ProfVenkatGhodkeandProfDeepaliYewale.

Place:Pune
Date:08February2025

(AuthorizedSignature)
DrPradeepBMane
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Pune-1



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.



Place: Pune
 Date: 08 February 2025

(Authorized Signature)
Dr Pradeep B Mane
 Principal, AISSMS IOIT,

Pune-1

रौप्य महोत्सवानिमित्त 'लिंगसी रन पुणे' मॅरिथॉन स्पर्धेचे आयोजन

। पुणे : प्रतिनिधी
इन्स्टिट्यूट ऑफ इन्फॉर्मेशन टेक्नॉलॉजीच्या रौप्य महोत्सवानिमित्त ऑल इंडिया श्री शिवाजी मेमोरियल सोसायटी पुणे व डेक्कन स्पोर्ट्स क्लब कोल्हापूर यांच्या वतीने 'लिंगसी रन पुणे' या मॅरिथॉन स्पर्धेचे आयोजन १४ जानेवारी रोजी केले आहे. शिवाजीनगर, पुणे येथील एआयएसएसएमएस कॉलेज परिसरापासून या मॅरिथॉनची सुरुवात होईल. ५ किमी व १० किमी अशा दोन प्रकारांत विभागल्या गेलेल्या या मॅरिथॉन 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 मॅरिथॉनमागे असून, या स्पर्धेत महाराष्ट्रातील ५००० हून अधिक धावपटू सहभागी होतील, असा विश्वास आहे. मॅरिथॉन स्पर्धा यशस्वीपणे पार पाडण्यासाठी डेक्कन स्पोर्ट्स क्लब व ऑल इंडिया श्री शिवाजी मेमोरियल सोसायटी पुणे या दोन्ही आयोजक संस्था उत्तम निवोजन करताना दिसत आहेत.

लिंगसी रन पुणे मॅरिथॉन 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. मॅरिथॉनमध्ये 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 मॅरिथॉन स्पर्धेसाठी लाभणार असून, संयोजनासाठी डेक्कन स्पोर्ट्स क्लबचे उदय पाटील, वैभव वेळगावकर, समीर चौगुले, मनोष सुर्ववंशी आदी पदाधिकारी, तसेच प्राचार्य पी. बी. माने यांचे सहकार्य लाभेल.



लोकमत

स्मार्ट कम्प्युटिंग, इन्फॉर्मेटिक्स विषयावर आंतरराष्ट्रीय परिषद

लोकमत न्यूज नेटवर्क
पुणे : ऑल इंडिया श्री शिवाजी मेमोरियल सोसायटीच्या आयओआयटी महाविद्यालयात "द्वया आयईईई आंतरराष्ट्रीय परिषद-इमर्जिंग स्मार्ट कॉम्प्युटिंग अँड इन्फॉर्मेटिक्स-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 खुरपे, 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 ऑप्लिकेशन 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 ट्यूटोरियल्स 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.

QUICK NEWS

नवाचार को बढाने सत्र आयोजन

पुणे. नवाचार और तकनीकी ज्ञान को बढाने 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 पाटील 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,

'एआयएसएसएमएस' तर्फे १४ जानेवारीला लीगसी रन पुणे मैरिथॉन स्पर्धा

प्रभात वृत्तसेवा

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

महाविद्यालयाच्या परिसरापुढील या मैरिथॉनची सुरुवात होईल. ५ कि. मी. व १० कि. मी. अशा दोन प्रकारांत

विभागल्या गेलेल्या या मैरिथॉन स्पर्धेत ५ कि. मी. साठी एआयएसएसएमएस सोसायटीच्या इन्स्टिट्यूट ऑफ इन्फॉर्मेशन टेक्नॉलॉजी महाविद्यालय ते बंडगाईन तर १० कि. मी. साठी एआयएसएसएमएस सोसायटीच्या इन्स्टिट्यूट ऑफ इन्फॉर्मेशन टेक्नॉलॉजी महाविद्यालय ते बंडगाईन पूल तसेच पुढे संगमवाडी रोड व परत बंडगाईन 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 वर्षांपुढील या चार वयोगटात विभागण्यात आली आहे. ऑल इंडिया श्री शिवाजी मेमोरियल सोसायटी सचिव छत्रपती मालोजीराजे यांचे मोलाचे मार्गदर्शन या मैरिथॉन स्पर्धेसाठी 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.

PuneCity, 17 Dec 2023, Page:013
https://epaper.dainikprabhat.com

पेटंटवरील कार्यशाळेला प्रतिसाद

पुणे : नवोन्मेष आणि ज्ञानाची देवाणघेवाण वाढविण्याच्या उद्देशाने सेंटर फॉर डेव्हलपमेंट ऑफ अडव्हान्स्ड 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 तज्ञ असलेल्या वक्त्यांनी उपस्थितांना मार्गदर्शन केले. एआयएसएसएमएस आयओआयटी महाविद्यालयाचे प्राचार्य डॉ. पी. बी. माने यांचे मार्गदर्शन लाभले.

एआयएसएसएमएस आयओआयटीत परिषद उत्साहात

पुणे : एआयएसएसएमएस आयओआयटी महाविद्यालयात आयव्हॅन्यू-इमर्जिंग स्मार्ट कॅम्प्युटिंग अँड इन्फॉर्मेटिक्स-ईएससीआय -२०२४ विषयावर सहावी आंतरराष्ट्रीय परिषद आयोजित करण्यात आली होती. एआयएसएसएमएस सोसायटीचे खजिनदार अजय पाटील, आयव्हॅन्यू पुणे विभाग उपाध्यक्ष डॉ. अमर बुचडे, परिषद अध्यक्ष डॉ. विवेक देशपांडे, एसआयजी (परवडगारी सेटी) आयव्हॅन्यू पुणे विभाग अध्यक्ष जगदीश चौधरी यांच्या हस्ते उद्घाटन पार पडले.

या परिषदेच्या उद्घाटनासाठी पदभूषण डॉ. दीपक धर उपस्थित होते. त्यांनी 'संख्याशास्त्राचा वापर आणि गैरवापर' या विषयावर आपले विचार मांडले. सहसचिव सुरेश शिंदे यांनी उद्योग-व्यापार क्षेत्रात आर्थिक सहाय्यासाठी कायदा आहे आणि संशोधनाचा 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.

आयव्हॅन्यू पुणे विभागाचे मानद सचिव अर्भजित खुर्पे यांनी आयव्हॅन्यू पुणे विभागाच्या उपक्रमांवर प्रकाश टाकला. सेस ऑप्टिकल कॅन्व्हेर-इन्फो, अडव्हान्स्ड संयोजक नीलेश दास यांनी आपला संदेश पाठवला. ते म्हणाले की, ही परिषद निश्चितपणे आंतिम वापरकर्ता अनुभूतीकडे लक्ष देण्यासाठी सीमावरील परस्परसंबंध, ज्ञानाची देवाणघेवाण आणि संशोधन चर्चा करण्यासाठी आवश्यक व्यासपीठ प्रदान करेल.

तांत्रिक अध्यक्ष डॉ. एम. ए. धलेर यांनी पेपर्सची माहिती दिली. परिषदेमध्ये स्मार्ट कॉम्प्युटिंग, इंटरनेट ऑफ थिंग्ज आणि इमेज आणि सिग्नल प्रोसेसिंग या तीन ट्रॅकसह ६ प्री-कॉन्फरन्स ट्युटोरियल्स आणि १४ क्विझ

सत्रे होती. परिषदेसाठी च. इराक, यूएसए, तुर्की, श्रीलंका देशांद्वारे एकूण १४५७ शोधनिबन्ध प्राप्त झाले होते, त्यापैकी निव्वळ १९३ शोधनिबन्ध सहभाग सादर केले.

या सोसायटीचे मानद सचिव मालोजीराजे छत्रपती या एआयएसएसएमएस सोसायटीचे वतीने पाहुणे आणि सहभाग आपला शुभेच्छा संदेश पाठवून कार्यक्रमाचे सुरुवात करून सुरेश शिंदे यांनी केले. आभार सत्ता श्रेष्ठ यांनी मानले.

एआयएसएसएमएस महाविद्यालयात परिषद

पुणे : एआयएसएसएमएस आयओआयटी महाविद्यालयात 'आयव्हॅन्यू-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 शोधनिबन्धांपैकी निवडक १९३ शोधनिबन्ध सादर केले.

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‘एआयएसएसएमएस’ तर्फे मॅरथॉन

पुणे : ऑल इंडिया श्री शिवाजी मेमोरिअल सोसायटीच्या

(एआयएसएसएमएस) इन्स्टिट्यूट ऑफ इन्फॉर्मेशन टेक्नॉलॉजी या महाविद्यालयाच्या रौप्यमहोत्सवानिमित्त ‘लीगसी रन’ या मॅरथॉनचे आयोजन करण्यात आले आहे. ‘एआयएसएसएमएस’ आणि डेक्कन स्पोर्ट्स क्लब कोल्हापूर यांच्या वतीने १४ जानेवारी २०२४ रोजी मॅरथॉन होईल.

महाविद्यालयाच्या परिसरापासून सुरु होणारी मॅरथॉन 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, मॅरथॉन 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 बाराकावे, 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 सॅटर फॉर डेव्हलपमेंट ऑफ अॅडव्हान्स्ड कॉम्प्युटिंग (सी-डॅक) पुणे मॅनेजमेंट असोसिएशन यांच्यावतीने या सत्राचे आयोजन करण्यात आले. डॉ. अनिबान सरकार प्रमुख पाहणे म्हणून उपस्थित होते. यावेळी ‘सी-डॅक’चे प्रकल्प व्यवस्थापक परिमल खाडे, असोसिएशनचे उपाध्यक्ष प्रदीप तुपे, ‘एआयएसएसएमएस’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 पैलूंचे 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. प्रचल 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 प्रिन्सिपल मिनिस्ट्री संस्थेच्या (एसएसपीएम) अभियांत्रिकी महाविद्यालयाने कोल्हापूर आपत्ती काळात उपयोगी पडणारा हॅम रेडिओ विकसित करून दिला. त्यांना आयडइड एचसी साईट थ्रू तसेच रेडिओ ऑम्बुडर क्लब ऑफ कोल्हापूर यांनी त्यांना सहकार्य केले.



कोल्हापूरकर साधू शकतील जगाशी संपर्क
श्री शिवाजी प्रिन्सिपल मिनिस्ट्री संस्थेच्या (एसएसपीएम) अभियांत्रिकी विभागात तसेच यंत्रमेसारी जगभरात प्रसिद्ध असलेल्या या रेडिओमुळे आपत्ती काळात कोल्हापूरकरांना आत घट जगाशी संपर्क साधता येणार आहे.

कोल्हापूरत पातळकमंडी दीपक केसकर व एसएसपीएमचे सचिव छत्रपती मारुतीराजे यांच्या हस्ते या रेडिओचे लोकार्पण झाले. जिल्हा नियंत्रण कक्षात झालेल्या या कार्यक्रमात जिहाधिकारी राहुल रेखाकर, एसएसपीएमचे प्राचार्य डॉ. पी. बी. माने उपस्थित होते. सन २०२०-२१ मध्ये कोल्हापूर व सांगली

जिल्हात पुरस्थिती निर्माण झाली. प्रशासनबरोबर आपत्तीप्रस्तांना संपर्क साधता आला नाही. त्यावेळी मारुतीराजे यांनी दिली. एसएसपीएमचे प्राचार्य डॉ. माने यांच्या मार्गदर्शनात घुष्यात ही यंत्रणा तयार करण्यात आली. प्रकल्पाने प्रमुख अनेक डॉ. सारिका पन्कर,

नियंत्रण कक्षात बसवण्याचा निर्णय झाला, अशी माहिती छत्रपती मारुतीराजे यांनी दिली. एसएसपीएमचे प्राचार्य डॉ. माने यांच्या मार्गदर्शनात घुष्यात ही यंत्रणा तयार करण्यात आली. प्रकल्पाने प्रमुख अनेक डॉ. सारिका पन्कर,

यांनी त्यावर काम केले. रेडिओ ऑम्बुडर क्लब ऑफ कोल्हापूरचे नितीन एम्पुरे आणि जिल्हा आपत्ती व्यवस्थापन, कोल्हापूरचे अधिकार डॉ. प्रसाद संकपाल यांनी सहकार केले. चिखती आणि ओरेवाडी या भागांमध्ये प्रस्थापने उद्घाटन झाले

Hello Pune
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बहुआयामी तंत्रज्ञानावर आधारित उद्योगांवरील गुंतवणुकीत वाढ

एआयएसएसएमएस आयओआयटी महाविद्यालयात चर्चासत्र

लोकमत न्यूज नेटवर्क
 पुणे : एआयएसएसएमएस आयओआयटी महाविद्यालयात 'इमर्जिंग स्मार्ट कॅम्प्युटिंग अँड इन्फॉर्मेटिक्स-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) संचालक, संचालक, प्रा. के. एन. गणेश यांच्या हस्ते ऑनलाईन झाले.
 प्रा. के. एन. गणेश यांनी भाषणादरम्यान इंटर्नेट अँड थिंजिंग, ५वी तंत्रज्ञान, आर्टिफिशल इंटेलिजन्स, विंग डेटा या तंत्रज्ञानाच्या वेगवान प्रगतीवर



प्रकाश टाकला. एआयएसएसएमएस संसाधनांचे सेक्रेटरी मालोजीराजे कुमारी यांनी उपस्थितांला शुभेच्छा संधेचे उद्दिष्टाने प्रकाश टाकला. आयडीईईचे पुणे विभागाच्या अध्यक्ष डॉ. सुरेखा देशमुख यांनी आयडीईई पुणे विभागाच्या विविध उपक्रमांमधील कामगिरीवर प्रकाश टाकला. बायलंडच्या चौग माई युनिव्हर्सिटीचे असोसिएट प्रोफेसर एकांत सुरेश, एआयएसएसएमएस संस्थेचे उच्चिनीय अजय पाटील, निखिल खगसे व प्रशांत ब्रम्हे, अमर बुध्दे उपस्थित होते. परिषदेसाठी ८१० शोधनिबंध प्राप्त झाले, अशी माहिती डॉ. मीनाक्षी थलीर यांनी दिली. सूत्रसंचालन डॉ. सुरेश लिमकर व आभार डॉ. वाय. पी. पाटील यांनी मानले. (सा. प्र.)

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पुढारी

तंत्रज्ञानावर आधारित संशोधन वाढायला हवे

पुणे : पुढारी वृत्तसेवा
 इटॅलेंट अँड विंग, कृत्रिम बुद्धिमत्ता व डेटा विज्ञान, अशा बहुआयामी तंत्रज्ञानावर आधारित उद्योगांवरील गुंतवणुकीत वाढाव आहे. अशावेळी तंत्रज्ञानावर आधारित नवनीत विषयांवर संशोधन वाढायला हवे, या श्रेयात विंगान्या अद्युत्पादक, डेटा प्रामुखातिका अशा शोधनाला उद्योग, असे मग ईंधन इन्स्टिट्यूट अँड सायन्स एज्युकेशन अँड रिसर्चचे संचालक प्रा. के. एन. गणेश यांनी प्यारस केले.
 एआयएसएसएमएस आयओआयटी महाविद्यालयात मधुवर्ती स्मार्ट कॉम्प्युटिंग अँड इन्फॉर्मेटिक्स-ईएससीआय-२०२३ च विषयावरील पाचवी आंतरराष्ट्रीय परिषद आयोजित करण्यात आली. या परिषदेच्या उद्घाटनसभेने गे व्हेलस होले. प्रा. के. एन. गणेश यांनी आरंभिक भाषणादरम्यान इटॅलेंट अँड विंग, ५ वी विज्ञान, आर्टिफिशल इंटेलिजन्स, विंग डेटा या नवनीत तंत्रज्ञानाच्या



इमर्जिंग स्मार्ट कॉम्प्युटिंग अँड इन्फॉर्मेटिक्स-ईएससीआय-२०२३ विषयावरील पाचव्या आंतरराष्ट्रीय परिषदेचे उद्घाटनप्रसंगी उपस्थित मान्यवर.

वेगवान प्रगतीवर प्रकाश टाकला. व्याख्यान नवीन-नवीन विषयांवर आंतरराष्ट्रीय परिषद आयोजित करण्यात आली. मग आयएसएसएमएस संस्थेचे अधिनियन केले. स्मार्ट कॉम्प्युटिंग, नेटवर्किंग, कम्प्युटिशन, अटोमोशन, आयओटी, फिशल आणि इमेज प्रो-सेसिंग, आर्टिफिशल इंटेलिजन्स, विंग डेटा अशा उद्योगांवर डेटाचा एक व्यावहारिक उपलब्ध करून देणे आणि जागतिक स्पर्धांकात न्याचे विचार व अनुभव सांगण्याची संधी उपलब्ध करून देणे, हे या परिषदेचे उद्दिष्ट होते. या परिषदेसाठी ८१० शोधनिबंध प्राप्त झाले. त्यापैकी १३४ शोधनिबंध वापर करण्यात येतील, असे परिषदेच्या तांत्रिक सभ्यत्व डॉ. मीनाक्षी थलीर यांनी स्पष्ट केले. काँग्रेसमध्ये अध्यक्ष एआयएसएसएमएस सोसायटीचे मान्य वरिष्ठ मालोजीराजे कुमारी यांनी परिषदेच्या सुरुवाती शुभेच्छा दिल्या. एआयएसएसएमएस आयओआयटीचे प्रचार्य डॉ. पी. बी. माने यांनी परिषदेच्या आयोजनानवर प्रकाश टाकला. य वेळी भाषणादरम्यान चौग माई युनिव्हर्सिटीचे सहायक प्राध्यापक एकांत सुरेश, एआयएसएसएमएस संस्थेचे उच्चिनीय अजय पाटील आयडीईईचे पुणे विभागाचे उपाध्यक्ष अमर बुध्दे आदी मान्यवर उपस्थित होते. सूत्रसंचालन डॉ. सुरेश लिमकर यांनी केले. परिषदेचे प्रमुख आयोजक डॉ. वाय. पी. पाटील यांनी आभार मानले.

प्रा. के. एन. गणेश यांचे मत

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 Electrical 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.

Student publishes book
 The storytelling skills of Victorian Kids

NEW BEGINNINGS
 Performing Arts inaugurated Chordiya said students in dance.

took seven months proud mother commending and dedicated Workshop

Conference on ESCI concludes

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

'एआयएसएसएमएस'मध्ये आंतरराष्ट्रीय परिषद होणार

पुणे, दि. २७ (प्रतिनिधी)
 - 'एआयएसएसएमएस'च्या आयओआयटी महाविद्यालयात 'आयडीईई- इमर्जिंग स्मार्ट कॅम्प्युटिंग अँड इन्फॉर्मेटिक्स-ईएससीआय-२०२३' या विषयावर ५वी आंतरराष्ट्रीय परिषद आयोजित करण्यात येणार आहे. १ ते ३ मार्च या कालावधीत चालणाऱ्या परिषदेचे उद्घाटन इंडियन इन्स्टिट्यूट ऑफ सायन्स एज्युकेशन अँड रिसर्चचे (तिरुपती) संचालक प्रा.के.एन.गणेश यांच्या हस्ते होणार आहे.
 विविध अभियांत्रिकी क्षेत्रातील उद्योगतज्ञ, शिक्षणतज्ज्ञ आणि संशोधक या परिषदेत अभियांत्रिकीच्या

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, पदवीतर विद्यार्थी, शिक्षक, संशोधक यांनी या ऑनलाईन व ऑफलाईन व्यासपीठावर होणाऱ्या परिषदेचा लाभ घेउन ज्ञान सामायिकरणाला प्रोत्साहित करावे आणि नाविन्यपूर्ण ज्ञान घ्यावे, अशी माहिती प्रचार्य डॉ.पी.बी.माने यांनी दिली.

'अलॅक्रिटी' महोत्सवाची सांगता

पुणे, मा. २६ : एअरलायनमध्ये सभेच्या निमित्तपुणे अँड इन्फॉर्मेशन टेक्नॉलॉजी (आयओआयटी) विभागाच्या संस्कृत, तंत्रिक आणि अर्थशास्त्र विभागांच्या संयुक्त प्रयत्नातून 'अलॅक्रिटी' महोत्सवाची सांगता करण्यात आली आहे. या महोत्सवात ६० हून अधिक सभा झाल्या. त्यात अर्थशास्त्र, कला, साहित्य, विज्ञान, व्यवसाय, विविध तंत्रिका शाखा यांच्या सहकार्यातून सांगता देण्यात आली आहे. 'अलॅक्रिटी' महोत्सवाची सांगता देण्यात आली आहे. या महोत्सवात ६० हून अधिक सभा झाल्या. त्यात अर्थशास्त्र, कला, साहित्य, विज्ञान, व्यवसाय, विविध तंत्रिका शाखा यांच्या सहकार्यातून सांगता देण्यात आली आहे.

विद्यार्थ्यांमध्ये 'अलॅक्रिटी' महोत्सवात सहभाग घेण्याचे आवाहन करण्यात आले आहे. या महोत्सवात ६० हून अधिक सभा झाल्या. त्यात अर्थशास्त्र, कला, साहित्य, विज्ञान, व्यवसाय, विविध तंत्रिका शाखा यांच्या सहकार्यातून सांगता देण्यात आली आहे.

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.



Place:Pune
Date:08February2025

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DrPradeepBMane
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