ANNEXURE-18
MANDATORY DISCLOSURE - 2023-2024

SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING, SHEGAON – 444 203   DIST – BULDANA [MAHARASHTRA STATE] INDIA

Mandatory Disclosure updated on:23 April 2024

AICTE File No.

AICTE Permanent Application ID	1-4792001
AICTE Current Application ID – 2023-24	1-36515595694

Date & Period of last approval

F.No. Western/1-36515595694/2023/EOA Dated 15-May-2023

18.1 Name of the Institution

- **Address Inculding Telephone, Mobile, E-mail**

Name of the Institution	SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING
Address of the Institution	KHAMGAON ROAD
City with Pin Code	SHEGAON – 444 203
State / UT	MAHARASHTRA (India)
Contact Number	Principal Office – 8669638081 Registrar Office - 8669638082
E-Mail Address	principal@ssgmce.ac.in, registrar@ssgmce.ac.in
Website	www.ssgmce.ac.in
Nearest Railway Station	2.5 Km
Nearest Bus Stand	3.00 km

18.2 Name and Address of the Trust

- **Address Including Telephone, Mobile, E-Mail**

Name and address of the Trust running the Institutite	SHRI GAJANAN SHIKSHAN SANSTHA
Address of the Institution	SSGMCE CAMPUS, KHAMGAON ROAD
City with Pin Code	SHEGAON – 444 203
State / UT	MAHARASHTRA (India)
Contact Number	8669638081, 8669638082
E-Mail Address	principal@ssgmce.ac.in, registrar@ssgmce.ac.in

18.3 Name and Address of the Principal

- **Address Including Telephone, Mobile, E-Mail**

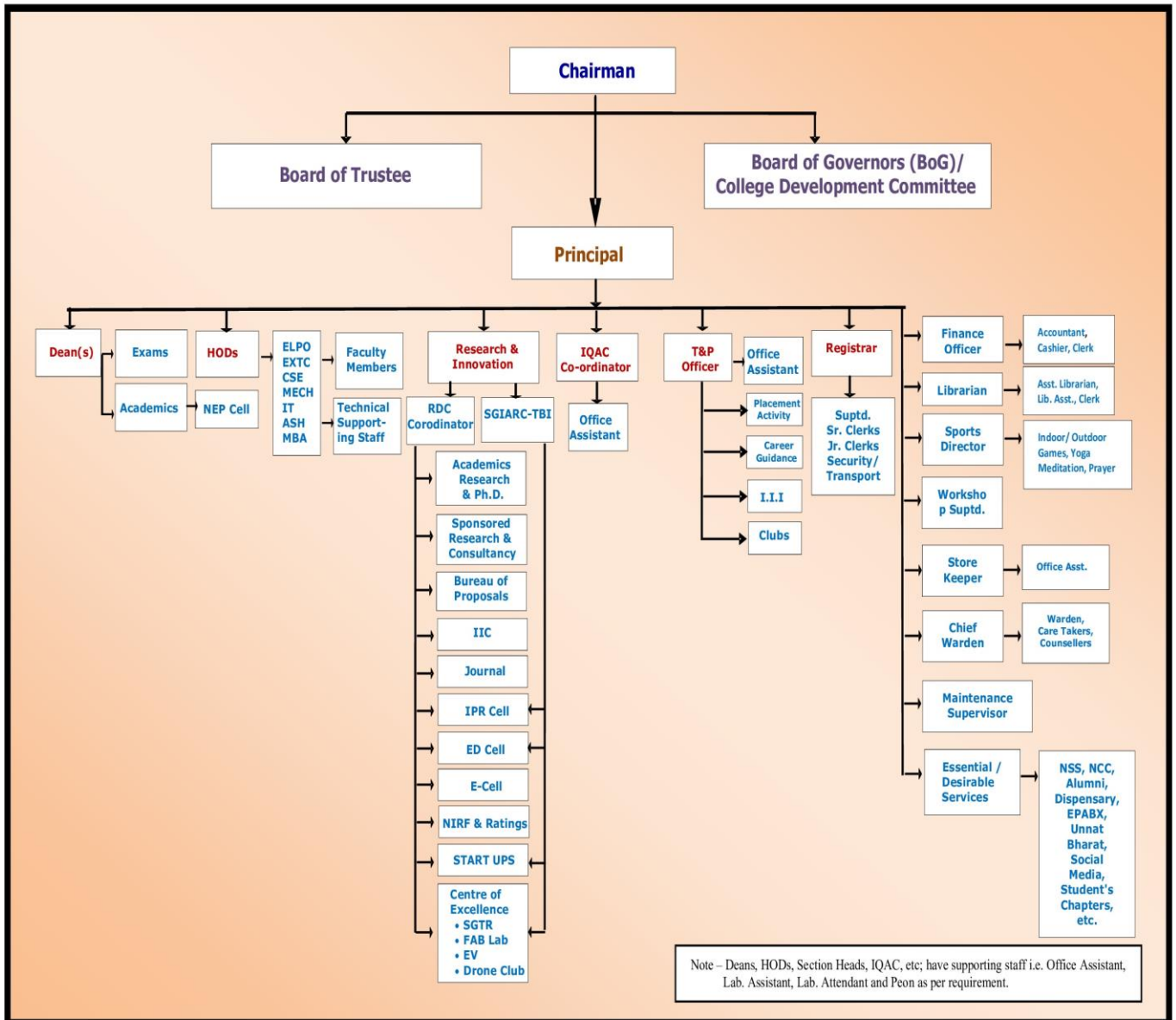| Name of Principal	DR. SUNIL BHIKAMCHAND SOMANI
Address of the Principal	PRINCIPAL'S BUNGLOW, SSGMCE CAMPUS, KHAMGAON ROAD
City & Pin Code	SHEGAON – 444203, DIST-BULDHANA (M.S.)
Mobile No.	9422182216
Email	principal@ssgmce.ac.in

18.4 Name and Affiliating University

Name of the affiliating University	SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI
Address	TAPOWAN, UNIVERSITY CAMPUS, AMRAVATI
	PIN – 444 602, DIST.: – AMRAVATI (MAHARASHTRA)
Website	www.sgbau.ac.in

18.5 Governance : Members of the Board and their brief background

1	Shri Nilkanth Shivshankar Patil	:	Chairman [Ex-officio Chairman] (Sanstha)
2	Shri Shrikant Shivshankar Patil	:	Member (Sanstha)
3	Shri Kishor Trikandas Tank	:	Member (Sanstha)
4	Shri Sharad Mahadeo Shinde	:	Member (Sanstha)
5	Shri Mahendrasingh Swindersingh Anand	:	Member (Sanstha)
6	Prof. (Dr.) M. Atik	:	Member (Nominee of Affiliating University, Amravati)
7	Dr. Vinod Mohitkar	:	Member (Ex-Officio) Director of Technical Education (Nominee of the State Government)
8	Shri Vikaschandra Rastogi	:	Member (Nominated by the State Government
9	Prof. (Dr.) Sunil Bhikamchand Somani	:	Member Secretary (Principal/ Head of the Institute)
1.	Prof. (Dr.) Shivshankar Pandurang Trikal	:	Member (Faculty member nominated from regular staff at the level of Professor)
11	Prof. (Dr.) Ravindra Shankarrao Pote	:	Member (Faculty member nominated from regular staff at the level of Associate Professor)

SHRI GAJANAN SHIKSHAN SANSTHA'S
SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING, SHEGAON
Organizational Structure

Note – Deans, HODs, Section Heads, IQAC, etc; have supporting staff i.e. Office Assistant, Lab. Assistant, Lab. Attendant and Peon as per requirement.

ii. Grievances Redressal mechanism for Faculty, staff and students.

➢ To develop the responsive and accountable attitude amongst the students, faculty, supporting staff, parents and other stakeholders, the Redressal of Ceartain Grivances SSGMCE formed Grievance Redressal Committee.

➢ On receipt of an online complaint, the Institution refers the complaint to the grievance redressal committee within ten days.

➢ The committee fix a date for hearing the complaint

➢ An aggrieved person may appear in person to present the case.

➢ Grievance not resolved by the committee shall be refered to the ombudsman.

➢ The ombudsman may recommend action against the complainant, where a complaint is found to be false.

iii. **Establishment of Anti Ragging Committee: Click Here**
https://www.ssgmce.ac.in/uploads/pdf/anti_ragging_committee.pdf

iv. **Establishment of Online Grievance Redressal Mechanizm: Click Here**
https://www.ssgmce.ac.in/uploads/pdf/grievance_Redressal_committee.pdf

v. **Details of Grievance Redressal Committee in the Institution and OMBUDSMAN by the University: Click Here https://www.ssgmce.ac.in/uploads/pdf/student_dev_cell.pdf**

vi. **Establishment of Internal Committee (IC): Click Here**
https://www.ssgmce.ac.in/uploads/pdf/IC%20(2).pdf

vii. **Establishment of Committee for SC/ST : Click Here**
https://www.ssgmce.ac.in/uploads/pdf/internal_committee_for_SCST.pdf

viii. **Internal Quality Assurance Cell : Click Here   https://www.ssgmce.ac.in/uploads/pdf/IQ_Cell.pdf**

ix. **Equal Opportunity facilities Cell : Click Here**
https://www.ssgmce.ac.in/uploads/pdf/equal_opp_cell.pdf

18.6   Programmes

i.   Name of Programmes approved by AICTE

Programmes	Level	Course	Intake Approved 2023-24
Engineering Technology	Under Graduate	Computer Science And Engineering	60
		Electronics and Telecommunication Engineering	120
		Mechanical Engineering	60
		Electrical Engineering (Electronics and Power)	60
		Information Technology	60
	Post Graduate	Electrical Power System	18
		Digital Electronics	18
		Computer Engineering	18
		Advanced Manufacturing and Mechanical System Design	18
Management	Post Graduate	M.B.A.	60

ii.   Name of Programmes Accreddited by NBA

Programmes	Level
Engineering Technology	U.G.

iii.   Status of Accreditation of the Courses

Programmes	Level	Course	Period of Validity
Engineering Technology	UG	B.E. Computer Science And Engineering	Academic Years 2022-2023 to 2024-2025 i.e. up to 30-06-2025 (3 Years)
		B.E. Electrical Engineering (Electronics and Power) Engineering	
		B.E. Mechanical Engineering	
		B.E. Electronics and Telecommunication Engineering	

iv.   Total number of Courses

Programmes	Level	Number of Course
Engineering Technology	UG	05
	PG	04
Management	PG	01

v. For each Programme the following details are to be given (Preferably in Tabular form):
   a. Name

   b. Number of Seats

   c. Duration

Programme	Level	Name of the Courses	Number of Seats (Intake)	Duration
Engineering Technology	UG	Computer Science and Engineering	60	04 Years
		Electrical Engineering (Electgronics and Power)	60	
		Electronics & Telecommuniation Engineering	120	
		Mechanical Engineering	60	
		Information Technology	60	
	PG	Electrical Power System	18	02 Years
		Digital Electronics	18	
		Computer Engineering	18	
		Advanced Manufacturing &Mech.System Design	18	
Management	P.G.	M.B.A.	60	02 Years

d. Cut off marks/rank of admission during the lastyears

SN	Department	2021-22		2022-23		2023-24	
		High	Low	High	Low	High	Low
Engineering Technology (UG)							
01	Computer Science and Engineering	96.52	47.77	98.24	51.10	99.05	52.24
02	Electrical Engineering (Electgronics and Power)	81.61	35.43	82.34	39.41	86.05	49.04
03	Electronics & Telecommuniation Engineering	87.30	43.08	89.72	39.59	91.48	52.74
04	Mechanical Engineering	74.98	25.27	78.34	23.95	83.37	40.65
05	Information Technology	92.01	51.14	91.97	43.31	93.60	48.97
Engineering Technology (PG)							
06	Electrical Power System	64.8	14.33	10	--	2.33	2.00
07	Digital Electronics	67.8	6.67	11.67	--	--	--
08	Computer Engineering	58.73	9.67	--	--	4.00	---
09	Advanced Manufacturing and Mechanical System Design	--	--	18.3	1.26	1.33	---
Management (PG)							
10	M.B.A.	94.00	48.00	76.00	61.00	95.00	50.00

vi Fees (as approved by the state government):

SN	Department	Fee (Approved by the State Government) 2023-24
Engineering Technology (UG)		
01	Computer Science and Engineering	Rs.1,09,000/- (Rs. One Lack Nine Thousand Only)
02	Electrical Engineering (Electgronics and Power)	
03	Electronics & Telecommuniation Engineering	
04	Mechanical Engineering	
05	Information Technology	
Engineering Technology (PG)		
06	Electrical Power System	Rs.29000/- (Rs. Twenty Nine Thousand Only)
07	Digital Electronics	
08	Computer Engineering	
09	Advanced Manufacturing and Mechanical System Design	
Management (PG)		
10	M.B.A.	Rs.92500/- (Rs. Ninenty Two Thousand Only)

vii. **Name and duration of Programme(s) having Twinning and Collaboration with Foreign University(s) and being run in the same Campus along with status of their AICTE approval. If there is Foreign Collaboration, give the following details, if any:**

No

viii. **Nature of Collaboration**

No

ix. **Complete details of payment a student has to make to get the full benefit of Collaboration**

No

x. **For each Programme Collaborated provide the following:**

No

xi. **Programme Focus**

No

xii. **Number of seats**

No

xiii. **Admission Procedure**

No

xiv. **Fee (as approved by the state government)**

No

xv. **Whether the Collaboration Programme is approved by AICTE? If not whether the Domestic/ Foreign University has applied to AICTE for approval** - NO

   i.   **Course/Branch wise list Faculty members:**
   ii. **Permanent Faculty**

SN	Name of the Faculty	Designation	Qualification
01	Dr.S.B. Somani	Principal	M.E., Ph.D.
Department of Electrical Engineering (Electronics and Power) (UG/PG)			
02	Dr. S.R. Paraskar	Professor	M.E., Ph.D.
03	Dr. R.S. Pote	Associate Professor	M.E., Ph.D.
04	U.A. Jawadekar	Associate Professor	M.E.
05	Dr. A.U. Jawadekar	Associate Professor	M.E., Ph.D.
06	Dr. S.S. Jadhao	Associate Professor	M.E., Ph.D.
07	R.Z. Fulare	Assistant Professor	M.E.
08	P.R. Bharambe	Assistant Professor	M.E.
09	R.S. Kankale	Assistant Professor	M.E.
10	M.R. Chavan	Assistant Professor	M.E.
11	R.K. Mankar	Assistant Professor	M.E.
12	Dr.Ajay Kumar Damral	Assistant Professor	M.E., Ph.D.
13	G.N. Bonde	Assistant Professor	M.E.,
14	B.S. Rakhonde	Assistant Professor	M.E.
15	P.R. Dhabe	Assistant Professor	M.Tech.
16	V.S. Karale	Assistant Professor	M.E.
Department of Electronics and Telecommunication Engineering (UG/PG)			
17	Dr. M.N. Tibdewal	Professor	M.E., Ph.D.
18	Dr. K.B. Khanchandani	Professor	M.E., Ph.D.
19	Dr. R.S. Dhekekar	Professor	M.E., Ph.D.
20	Dr. S.B. Patil	Professor	M.E., Ph.D., MBA
21	V.M. Umale	Associate Professor	M.Tech
22	V.N. Bhonge	Associate Professor	M.E.
23	D.L. Bhombe	Associate Professor	M.S.
24	Dr. D.D. Navgaje	Associate Professor	M.E., Ph.D.
25	Dr. Bhavana P. Harne	Assistant Professor	M.E., Ph.D.
26	Dr. D.P. Tulaskar	Assistant Professor	M.E., Ph.D.
27	A.N. Dolas	Assistant Professor	M.E.
28	Dr. V.V. Ratnaparkhi	Assistant Professor	M.Tech, Ph.D.
29	V.K. Bhangdiya	Assistant Professor	M.Tech.
30	K.T. Kahar	Assistant Professor	M.E.
31	P.D. Kale	Assistant Professor	M.E.
32	K.S. Vyas	Assistant Professor	M.E.
33	S.P. Badar	Assistant Professor	M.E.
34	T.P. Marode	Assistant Professor	M.E.
35	V.S. Ingole	Assistant Professor	M.E.
36	S.G. Nemane	Assistant Professor	M.E.
37	Ashwini A Deshmukh	Assistant Professor	M.E.
38	S.P Satal	Assistant Professor	M.E.
39	M.B. Dhamande	Assistant Professor	M.E.
40	Harshvardhan Balkrushna Patil	Assistant Professor	M.E.

SN	Name of the Faculty	Designation	Qualification
Department of Mechanical Engineering (UG/PG)			
41	Dr. S.P. Trikal	Professor	M.E., Ph.D.
42	Dr. V.K. Thute	Associate Professor	M.Tech., Ph.D.
43	Dr. J.G. Khan	Associate Professor	M.E., Ph.D.
44	Dr. N.H. Khandare	Associate Professor	M.E., Ph.D.
45	M.B. Bhambere	Assistant Professor	M.E.
46	C.V. Patil	Assistant Professor	M.E.
47	A.S. Bharule	Assistant Professor	M.Tech.
48	N.B. Borkar	Assistant Professor	M.Tech.
49	P.T. Patokar	Assistant Professor	M.E.
50	S.Q. Syed	Assistant Professor	M.Tech.
51	K.D. Gadgil	Assistant Professor	M.E.
52	K.V. Chandan	Assistant Professor	M.E.
53	Piyush Dalke	Assistant Professor	M.Tech.
54	Kailash Dudhe	Assistant Professor	M.E.
55	Dr. Saurabh P. Joshi	Assistant Professor	M.Tech., Ph.D.
56	Vishnu T. Mahske	Assistant Professor	M.E.
57	Ganesh S. Wahile	Assistant Professor	M.E.
Department of Computer Science and Engineering (UG/PG)			
58	Dr. J.M. Patil	Associate Professor	M.Tech., Ph.D.
59	Dr. N.M. Kandoi	Associate Professor	M.S., Ph.D.
60	C.M. Mankar	Assistant Professor	M.E.
61	V.S. Mahalle	Assistant Professor	M.E.
62	Dr. P.K. Bharne	Assistant Professor	M.E., Ph.D.
63	K.P. Sable	Assistant Professor	M.E.
64	Lopmudra Samual	Assistant Professor	M.E.
65	Dr. P.V. Deshmukh	Assistant Professor	M.E.
66	Deepavali P. Tathe	Assistant Professor	M.E.
67	Shrijeet Pagrut	Assistant Professor	M.E.
68	Dr. Rupali Zamare	Assistant Professor	M.E.
69	Dr. Neerja Suresh Dharmale	Assistant Professor	M.E., Ph.D.
70	Dr. Rupesh Subhash Mahamune	Assistant Professor	M.E., Ph.D.
Department of Information Technology (UG)			
71	Dr. A.S. Manekar	Associate Professor	M.E., Ph.D.
72	P.V. Kale	Assistant Professor	M.E.
73	A.G. Sharma	Assistant Professor	M.Tech.
74	Faizan Khandwani	Assistant Professor	M.E.
75	S.D. Padiya	Assistant Professor	M.E.
76	S.S. Muddalkar	Assistant Professor	M.E.
77	Pallavi Bute	Assistant Professor	M.E.
78	Mrs. Shaila Nilesh Khandare	Assistant Professor	M.E.
79	Pratik Gopalrao Angaitkar	Assistant Professor	M.E.
80	Mrs. Nayana Nanarao Ghuikar	Assistant Professor	M.E.

SN	Name of the Faculty	Designation	Qualification
Department of Applied Sciences & Humanities			
81	Dr. A.S. Tale	Associate Professor	M.Sc., Ph.D.
82	Dr. N.A. Patil	Professor	M.Sc., Ph.D.
83	A.V. Patil	Associate Professor	M.Sc., M.Phil
84	Dr. R.M. Kharate	Associate Professor	M.Sc., Ph.D.
85	P.I. Chaure	Associate Professor	M.E.
86	N.S. Thakare	Assistant Professor	M.Sc., M.Phil
87	A.S. Alane	Assistant Professor	M.Sc.
88	H.S. Patil	Assistant Professor	M.A., M.B.A.
89	K.P. Deshmukh	Assistant Professor	M.Sc.
90	S.V. Bhagat	Assistant Professor	M.A., M.Phil
91	Rutika Raut	Assistant Professor	M.Sc.
92	Dr.M.S. Pande	Assistant Professor	M.Sc., Ph.D.
93	G.L. Bayaskar	Associate Professor	M.A., M.P.Ed.
94	R.V. Pahurkar	Assistant Professor	M.A., M.P.Ed.
95	D.P. Tarale	Assistant Professor	M.C.A.
96	S.D. Phuse	Assistant Professor	M.C.A.
97	Dr. Jayashree S. Gawande	Assistant Professor	M.A., M.Phil
Department of M.B.A.			
98	Dr. P.M. Kuchar	Assistant Professor	M.B.A., Ph.D.
99	Dr. H.M. Jha "Bidyarthi"	Professor	MBA, Ph.D.
100	Dr. L.B. Deshmukh	Associate Professor	MBA, Ph.D.
101	Dr. M.A. Dande	Assistant Professor	M.B.A., Ph.D.
102	Dr. S.M. Mishra	Assistant Professor	M.B.A., Ph.D.
103	Dr. W.Z. Suliya	Assistant Professor	M.B.A.
104	V.V. Patil	Assistant Professor	M.B.A.
105	Dr. B.T. Hussain	Assistant Professor	M.B.A.
106	Aadesh B. Solanke	Assistant Professor	M.B.A.

iii.   Adjunct Faculty

SN	Name of the Faculty	Designation	Qualification
01	Ketan Narendra Pachpande	Assistant Professor	M.Tech
02	Yogesh Prabhakar Muramkar	Assistant Professor	M.E.
03	Tushar Bhagwan Kute	Assistant Professor	M.E.
04	Dr. S.S. Khedkar	Assistant Professor	M.E., Ph.D.
05	S.S. Lokhande	Assistant Professor	M.E.
06	Maj.Gen. Niraj Bali	Assistant Professor	PG

iv. Permanent Faculty: Student Ratio

SN	Programmes	Level	Ratio
1	Engineering and Technology	UG	1:20
		PG	1:15
2	Management	PG	1:20

18.8   Profile of Vice Chancellor/Director/Principal/Faculty

1	Name	**Dr. Sunil Bhikamchand Somani - Principal**								
2	Date of Birth	8th July 1967								
3	Unique ID	1-426010041								
4	Education Qualifications	B.E., M.E., Ph.D (Engg.& Tech.), Diploma in Office Automation								
5	Work Experience	Teaching	34	Research		06	Industry	01	others	0
6	Area of Specialization	Advance water treatment, Advance waste water treatment, Solid waste management,								

7	Courses (Subjects) taught	Under Graduate	Engineering Mechanics, Mechanics of Material, Fluid Mechanics, Environment Studies
		Post Graduate	Advance water treatment

8	Research guidance (Number of Students)	No. of Papers Published in	National	17	International Journals	12	Conferences	00
		Masters Degree	Completed		07	Ongoing		00
		Ph.D.	Completed		--	Ongoing		03

9	Projects Carried out	U.G. – 13 P.G. - 07			
10	Patents	Filled	--	Granted	Published - 01
11	Technology Transfer	---			

12	Research Publications (No. of papers published in)	National Journal	04	International Journal	08	Conferences	15
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	---					

Department of Electrical Engineering (Electronics and Power)

1	Name	Dr. Sudhir Ramdas Paraskar – HOD & Professor						
2	Date of Birth	02/06/1966						
3	Unique ID	1-422786205						
4	Education Qualifications	Ph.D						
5	Work Experience	Teaching	25 years	Research	--	Industry	--	others	--
6	Area of Specialization	Transformer Protection, Power Quality,						
7	Courses (Subjects) taught	Under Graduate	Basic electrical engineering, Energy resources and generation, Electrical Power II, Electric drives and Control, Electrical Energy Distribution and utilization, Electrical Machine I, Electrical Machine II					
		Post Graduate	Advanced power system protection, FACTS and Power Quality					
8	Research guidance (Number of Students)	No. of Papers Published in	National	00	International Journals	20	Conferences	13
		Masters Degree	Completed	25	Ongoing	01		
		Ph.D.	Completed	02	Ongoing	07		
9	Projects Carried out	**Software and hardware projects based on Electrical engineering- U.G.-25-P.G.20**						
10	Patents	Filled	01	Granted	---			
11	Technology Transfer	---						
12	Research Publications (No. of papers published in)	National	06	International Journal	20	Conferences	14	

13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication,etc.)	1. Published a book chapter "A Novel Islanding Detection Technique for Grid Connected Distributed Generation Using KNN and SVM" pp.819-831, Jan 2021 P.V., Tangellapalli S., Solanki C.S. (eds) Advances in Clean Energy Technologies. Springer Proceedings in Energy. Springer, Singapore. 2. Published a book chapter in Novel Perspectives of Engineering Research Vol. 7 "Assessment of Artificial Neural Network-based Induction Motor Fault Classifier Using Continuous Wavelet Transform" Print ISBN: 978-93-5547-513-8, eBook ISBN: 978-93-5547-514-5

1	Name	**Dr. Ravindra Shankarrao Pote – Associate professor**						
2	Date of Birth	24/06/1964						
3	Unique ID	1-422783693						
4	Education Qualifications	M.E. (EPS), Ph.D.						
5	Work Experience	Teaching	31 Years	Research	6 Years out of teaching experience	Industry	Nil	Others	Nil
6	Area of Specialization	Electrical Power System, High Voltage Engineering						

7	Courses (Subjects) taught	Under Graduate	Basic Electrical Engineering, High Voltage Engineering, Electrical Power – I, Electrical Power – II, Network Analysis, Power System Stability, Electrical Measurement & Instrumentation, Switchgear & Protection, Electrical Machine – I, Electrical Machines -II, Numerical Methods & Computation Programming.
		Post Graduate	Advance Power System Protection, HVDC, Power System Dynamics, Generation Planning & Load Dispatch, GPSP, HVT, Optimization Techniques.

8	Research guidance (Number of Students)	No. of Papers Published in	National	02	International Journals	15	Conferences	05
		Masters Degree	Completed	20	Ongoing	NIL		
		Ph.D.	Completed	NIL	Ongoing	NIL		

9	Projects Carried out	Guided 20 P.G. Dissertations &22 U.G. Projects			
10	Patents	Filled	NIL	Granted	NIL
11	Technology Transfer	NIL			
12	Research Publications (No. of papers published in)	National	NIL	International Journal	10	Conferences	03
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL			

1	Name	**Uday Ananad Jawadekar – Associate Professor**						
2	Date of Birth	27/06/1967						
3	Unique ID	1-422783697						
4	Education Qualifications	M.E. Electrical						
5	Work Experience	Teaching	28 years	Research	--	Industry	--	others	--
6	Area of Specialization	Electrical Power system engineering						

7	Courses (Subjects) taught	Under Graduate	Basic electrical engineering, Electrical measurements and instrumentation, Energy resources and generation.
		Post Graduate	High voltage transmission, Generation planning and load dispatch.

8	Research guidance (Number of Students)	No. of Papers Published in	National	01	International Journals	04	Conferences	09
		Masters Degree	Completed	20	Ongoing	02		
		Ph.D.	Completed	--	Ongoing	---		

9	Projects Carried out	Software and hardware projects based on Electrical engineering- U.G.-25-P.G.20			
10	Patents	Filled	---	Granted	---
11	Technology Transfer	---			

12	Research Publications (No. of papers published in)	National	01	International Journal	04	Conferences	09

13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication,etc.)	

1	Name	**Dr. Anjali .U. Jawadekar – Associate Professor**						
2	Date of Birth	22-02-1972						
3	Unique ID	1-422786209						
4	Education Qualifications	PhD						
5	Work Experience	Teaching	22	Research	15	Industry	-	others	-
6	Area of Specialization	Signal Processing						
7	Courses (Subjects) taught	Under Graduate	Signals& systems, control systems, Electromagnetic field theory , Power Electronics					
		Post Graduate						
8	Research guidance (Number of Students)	No. of Papers Published in	National	--	International Journals	30	Conferences	15
		Masters Degree	Completed	25	Ongoing	02		
		Ph.D.	Completed	01	Ongoing	04		
9	Projects Carried out	20						
10	Patents	Filled	--	Granted	--			
11	Technology Transfer							
12	Research Publications (No. of papers published in)	National		International Journal	30	Conferences	15	
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication,etc.)	1. Published a book chapter in Novel Perspectives of Engineering Research Vol. 7 "Assessment of Artificial Neural Network-based Induction Motor Fault Classifier Using Continuous Wavelet Transform" Print ISBN: 978-93-5547-513-8, eBook ISBN: 978-93-5547-514-5						

1	Name	**Dr Saurabh Sureshrao Jadhao – Associate Professor**						
2	Date of Birth	14th July 1983						
3	Unique ID	1-698260791						
4	Education Qualifications	PhD Electrical Engineering						
5	Work Experience	Teaching	12	Research	5	Industry	Nil	others	NA
6	Area of Specialization	Electrical Power System						

7	Courses (Subjects) taught	Under Graduate	1. Microprocessors and Microcontroller 2. Electrical Measurement and Instrumentation 3. Analog and Digital Circuits 4. Energy Audit and Management 5. Power Supply Systems 6. Artificial Intelligence 7. Power Quality
		Post Graduate	1. Advanced Power System Protection 2. Digital Protection of Power System 3. Power Quality Improvement Techniques

8	Research guidance (Number of Students)	No. of Papers Published in	National	01	International Journals	22	Conferences	28
		Masters Degree	Completed	11	Ongoing	Nil		
		Ph.D.	Completed	--	Ongoing	01		

9	Projects Carried out	Design and Development of Artificial Intelligence based Cotton Picking Machine sponsored by ICAR and in collaboration with Dr PDKV Akola			
10	Patents	Filled	08	Granted	Nil
11	Technology Transfer	01 Design and Development of Artificial Intelligence based Cotton Picking Machine			
12	Research Publications (No. of papers published in)	National	01	International Journal	22	Conferences	28

13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication.)	1. Published a book chapter in Novel Perspectives of Engineering Research Vol. 7 "Assessment of Artificial Neural Network-based Induction Motor Fault Classifier Using Continuous Wavelet Transform" Print ISBN: 978-93-5547-513-8, eBook ISBN: 978-93-5547-514-5 2. Published a book chapter "Design and Control of Capacitor-Supported Dynamic Voltage Restorer for Mitigation of Power Quality Disturbances." Advances in Electrical and Computer Technologies. Lecture Notes in Electrical Engineering, vol 672. Springer, Singapore. https://doi.org/10.1007/978-981-15-5558-9_105(2020)

1	Name	**Ravindra Zamsingh Fulare – Assistant Professor**							
2	Date of Birth	24.03.1968							
3	Unique ID	1-422786201							
4	Education Qualifications	ME (Power Electronics)							
5	Work Experience	Teaching	15	Research	--	Industry	5	others	--
6	Area of Specialization	Power Electronics							

7	Courses (Subjects) taught	Under Graduate	Basic Electrical Engineering,EE-III,Network analysis,Numerical methods and computer programming,Control System,Power Electronics					
		Post Graduate	Electrical Machines Analysis and Control					

8	Research guidance (Number of Students)	No. of Papers Published in	National	--	International Journals	--	Conferences	--
		Masters Degree	Completed	8	Ongoing	0		
		Ph.D.	Completed	--	Ongoing	--		

9	Projects Carried out	14 projects guided for UG students 8 students guided for PG sa				
10	Patents	Filled	--	Granted	--	
11	Technology Transfer	--				
12	Research Publications (No. of papers published in)	National		International Journal	03	Conferences	01
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication,etc.)					

1	Name	**Purushottam Ramesh Bharambe –Assistant Professor**						
2	Date of Birth	29 August 1974						
3	Unique ID	1-424113003						
4	Education Qualifications	ME (EPS)						
5	Work Experience	Teaching	12 Years	Research	-	Industry	-	others
6	Area of Specialization	Power System						

7	Courses (Subjects) taught	Under Graduate	Basic Electrical Engineering, Electrical Machines, Electrical Drives, Electrical Measurement & Instrumentation, Electrical Machine Design, Switchgear & Protection, Power Supply System.
		Post Graduate	Digital Protection of Power System

8	Research guidance (Number of Students)	No. of Papers Published in	National	--	International Journals	--	Conferences	--
		Masters Degree	Completed	06	Ongoing	-		
		Ph.D.	Completed	-	Ongoing	-		

9	Projects Carried out			
10	Patents	Filled	-	Granted	-
11	Technology Transfer	-			
12	Research Publications (No. of papers published in)	National	-	International Journal	2	Conferences	2
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-			

1	Name	**Ravishankar Shaligram Kankale – Assistant Professor**								
2	Date of Birth	8th March 1987								
3	Unique ID	1-426009813								
4	Education Qualifications	M.E. (EPS), Ph.D. (Regd.)								
5	Work Experience	Teaching	12 Years	Research	2 years	Industry	Nil	Others	Nil	
6	Area of Specialization	Electrical Power System, Power Quality								
7	Courses (Subjects) taught	Under Graduate	Basic Electrical Engineering, Power System Operation & Control, High Voltage Engineering, Numerical Methods & Optimization Techniques							
		Post Graduate	High Voltage Transmission, HVDC Transmission, Power System Modeling & Control							
8	Research guidance (Number of Students)	No. of Papers Published in	National	01	International Journals	05	Conferences	06		
		Masters Degree	Completed	04	Ongoing	Nil				
		Ph.D.	Completed	Nil	Ongoing	Nil				
9	Projects Carried out	Guided 04 P.G. Dissertations & 12 U.G. Projects								
10	Patents	Filled	Nil	Granted	Nil					
11	Technology Transfer	NIL								
12	Research Publications (No. of papers published in)	National	Nil	International Journal	03	Conferences	03			
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	Published a book chapter "A Novel Islanding Detection Technique for Grid Connected Distributed Generation Using KNN and SVM" pp.819-831, Jan 2021 P.V., Tangellapalli S., Solanki C.S. (eds) Advances in Clean Energy Technologies. Springer Proceedings in Energy. Springer, Singapore.								

1	Name	**Mukesh Ravindra Chavan – Assistant Professor**						
2	Date of Birth	22/01/1990						
3	Unique ID	1-7419303613						
4	Education Qualifications	ME Electrical Power System						
5	Work Experience	Teaching	8	Research	-	Industry	-	others	-
6	Area of Specialization	Power System						

7	Courses (Subjects) taught	Under Graduate	Energy Audit & Management, Power Supply System, Electrical Machines, Numerical Methods, Electrical Power-I, Computer Methods in Power System Analysis
		Post Graduate	Computer Methods in Power System Analysis

8	Research guidance (Number of Students)	No. of Papers Published in	National	-	International Journals	-	Conferences	-
		Masters Degree	Completed	-	Ongoing	-		
		Ph.D.	Completed	-	Ongoing	-		

9	Projects Carried out	Social Distancing Device(2020-21), Energy Audit Case Study of Oil Mill (2018-19), Industrial Process Management using PLC, SCADA AND GSM(2017-18), Fault Detection in Transmission Line Based On Wavelet Transform(2015-16)

10	Patents	Filled	NA	Granted	NA

11	Technology Transfer	NA					

12	Research Publications (No. of papers published in)	National	NA	International Journal	2	Conferences	1

13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication,etc.)	--

1	Name	**Ravindra Kisanrao Mankar – Assistant Professor**						
2	Date of Birth	4th Dec 1979						
3	Unique ID	1-740787110						
4	Education Qualifications	M.E. (EPS), Ph.D. (Regd.)						
5	Work Experience	Teaching	16 Years	Research	Nil	Industry	Nil	others	Nil
6	Area of Specialization	Fault Analysis in Electrical Power System						
7	Courses (Subjects) taught	Under Graduate	Electric Drives and Measurement, Electrical Energy Utilization, Energy Audit and Management, Power Supply System, Basic Electrical Drives and Control, Electric Drives and Control, Computer Methods in Power System Analysis					
		Post Graduate	Power System Dynamics and Control, Computer Aided Power System Analysis, High Voltage Transmission					
8	Research guidance (Number of Students)	No. of Papers Published in	National	01	International Journals	02	Conferences	03
		Masters Degree	Completed	02		Ongoing	Nil	
		Ph.D.	Completed	Nil		Ongoing	Nil	
9	Projects Carried out	Guided 02 P.G. Dissertations & 10 U.G. Projects						
10	Patents	Filled	Nil		Granted		Nil	
11	Technology Transfer	Nil						
12	Research Publications (No. of papers published in)	National	Nil	International Journal	01	Conferences	01	
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication,etc.)	Nil						

1	Name	**Dr. Ajay Kumar Damral – Assistant Professor**							
2	Date of Birth	02/11/1972							
3	Unique ID	1-2953080817							
4	Education Qualifications	PhD							
5	Work Experience	Teaching	08	Research	09	Industry	--	others	--
6	Area of Specialization	Renewable Energy							

7	Courses (Subjects) taught	Under Graduate	Machine-2, Electrical Energy distribution and utilization			
		Post Graduate	-			

8	Research guidance (Number of Students)	No. of Papers Published in	National	--	International Journals	--	Conferences	02
		Masters Degree	Completed	--		Ongoing	--	
		Ph.D.	Completed	--		Ongoing	--	

9	Projects Carried out	02 Grps			
10	Patents	Filled	03	Granted	01
11	Technology Transfer				

12	Research Publications (No. of papers published in)	National	--	International Journal	--	Conferences	--
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication,etc.)	--					

1	Name	**Ganesh Narayan Bonde – Assistant Professor**								
2	Date of Birth	15/09/1988								
3	Unique ID	1-7393188291								
4	Education Qualifications	ME (Electrical Power System)								
5	Work Experience	Teaching	09	Research	02	Industry	--	others		--
6	Area of Specialization	Power Quality, Transformer Protection								
7	Courses (Subjects) taught	Under Graduate	Basic Electrical Engineering, Control System, Power System Stability, Power Supply System							
		Post Graduate	Advanced Control System							
8	Research guidance (Number of Students)	No. of Papers Published in	National	--	International Journals	--	Conferences			--
		Masters Degree	Completed	--	Ongoing	--				
		Ph.D.	Completed	--	Ongoing	--				
9	Projects Carried out	U.G Project Completed 06								
10	Patents	Filled	--	Granted	--					
11	Technology Transfer	--								
12	Research Publications (No. of papers published in)	National	01	International Journal	02	Conferences	02			
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	Nil								

1	Name	**Bhushan Subhash Rakhonde – Assistant Professor**							
2	Date of Birth	22/04/1989							
3	Unique ID	1-7427831525							
4	Education Qualifications	B.E. , M. E. (EPS)							
5	Work Experience	Teaching	9	Research	--	Industry	--	others	--
6	Area of Specialization	Electrical Power System							
7	Courses (Subjects) taught	Under Graduate	Basic Electrical Engineering, Electrical Machine-I, Basic Electrical Drives & Control, Numerical Method and Optimization Techniques, power System Operation & control, Computer Aided Machine Design.						
		Post Graduate	DSPA						
8	Research guidance (Number of Students)	No. of Papers Published in	National	--	International Journals	--	Conferences	--	
		Masters Degree	Completed	--	Ongoing	Nil			
		Ph.D.	Completed	--	Ongoing	Nil			
9	Projects Carried out	08 U.G. Project							
10	Patents	Filled	--	Granted	--				
11	Technology Transfer	Nil							
12	Research Publications (No. of papers published in)	National	--	International Journal	04	Conferences	02		
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	Nil							

1	Name	**PRATIK RAVI DHABE – Assistant Professor**						
2	Date of Birth	3rd October 1992						
3	Unique ID	1-7398363338						
4	Education Qualifications	M.Tech.(IPS), Ph.D. (Regd.)						
5	Work Experience	Teaching	6 Years	Research	1 Year	Industry	--	others	--
6	Area of Specialization	Integrated Power System, Battery Energy Storage						
7	Courses (Subjects) taught	Under Graduate	High Voltage Engineering, Computer Applications in Power System, Basic Electrical Engineering, Digital Signal Processing, , Electrical Measurements and Instruments, Energy Resources and Generation					
		Post Graduate	Advance Electrical Drives					
8	Research guidance (Number of Students)	No. of Papers Published in	National	--	International Journals	--	Conferences	01
		Masters Degree	Completed	--	Ongoing	--		
		Ph.D.	Completed	--	Ongoing	--		
9	Projects Carried out	Guided 4 UG Projects						
10	Patents	Filled	--	Granted	--			
11	Technology Transfer	--						
12	Research Publications (No. of papers published in)	National	--	International Journal	01	Conferences	04	
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--						

1	Name	**VIJAY SHIVAJI KARALE – Assistant Professor**							
2	Date of Birth	4th July 1990							
3	Unique ID	1-7393383920							
4	Education Qualifications	M. E. (Electrical Power System)							
5	Work Experience	Teaching	7 Years	Research	--	Industry	--	others	--
6	Area of Specialization	Electrical Power System , Power Quality							
7	Courses (Subjects) taught	Under Graduate	Power Electronics ,Energy Audit and Management , Power Supply System, Network analysis, Electrical Circuit Analysis, Numerical methods and Computer Programming, Energy Recourses and Generation.						
		Post Graduate	Application of Power Electronics to Power System, Power Quality Improvement Technique						

8	Research guidance (Number of Students)	No. of Papers Published in	National	--	International Journals	--	Conferences	03
		Masters Degree	Completed	--	Ongoing	--		
		Ph.D.	Completed	--	Ongoing	---		

9	Projects Carried out	Guided 5 UG Projects				
10	Patents	Filled	--	Granted	--	
11	Technology Transfer	--				
12	Research Publications (No. of papers published in)	National	--	International Journal	02	Conferences	02
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--				

1	Name	**Dr. Manish Narayandas Tibdewal – HOD & Professor**						
2	Date of Birth	21.05.1968						
3	Unique ID	1-424113007						
4	Education Qualifications	B.E., M.E., Ph.D. (I.I.T.,Kharagpur-WB)						
5	Work Experience-Year	Teaching	31	Research	12	Industry	01	others	--
6	Area of Specialization	Signal Processing, Biomedical Signal/Image Processing and Biomedical Instrumentation and Wearable Devices						
7	Courses (Subjects) taught	Under Graduate	PE, AEDC, EDC I & II, DICs, ADIC, ADC, CSE, DIP, MPMC, DSP, LIC, SAS, LIC, MATLAB Programming, etc. Total @ 15 Subjects taught					
		Post Graduate	DIP, ADSP, ESD – 03 Subjects					
8	Research guidance (Number of Students)	No. of Papers Published in	National	01	International Journals	10	Conferences	29
		Masters Degree	Completed	21	Ongoing	01		
		Ph.D.	Completed	--	Ongoing	02		
9	Projects Carried out	Total (UG+PG) = (51+21) = 72 Projects guided						
10	Patents	Filled	--	Granted	--			
11	Technology Transfer	--						
12	Research Publications (No. of papers published in)	National Journal	01	International Journal	10	Conferences	29	
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	Reviewer of Book on C-Puzzle (Pearson Education, India)						

1	Name	**Dr.Kamlesh B. Khanchandani - Professor**						
2	Date of Birth	07/04/1967						
3	Unique ID	1-424083581						
4	Education Qualifications	Ph.D (Electronics Engg), M.E (Electronics Engg), B.E(Electronics Engg)						
5	Work Experience (Years)	Teaching	30	Research	18	Industry	-	others	-
6	Area of Specialization	Signal Processing, VLSI-Embedded System Design						
7	Courses (Subjects) taught	Under Graduate	Digital Signal Processing, Applied Electronics, Electronic Circuit Design					
		Post Graduate	CMOS VLSI Design, Advanced Digital Signal Processing					
8	Research guidance (Number of Students)	No. of Papers Published in	National	20	International Journals	50	Conferences	30
		Masters Degree	Completed	32			Ongoing	--
		Ph.D.	Completed	07			Ongoing	02
9	Projects Carried out	Design and Implementation 0f FPGA Based Controller for PWM Inverter for AC Drives, Design and Development of Low Noise Amplifier For RF Front End Of GPS Receiver, DSP-FPGA based Real Time Power Quality Disturbances Classifier, Reconstruction from Non-uniform Samples, Design and Implementation of Automotive Security System using ARM Processor, Design and Implementation of Smart-Wheelchair for Patients, Wireless Ambulatory Blood Pressure Monitoring System, Design & Development of Pipelined ADC, Design and Implementation of Diagnostic and Patient Monitoring System, Design and Implementation of BABY Monitoring unit using DSP Processor and FPGA(60+).						
10	Patents	Filled	01	Granted	--			
11	Technology Transfer	---						
12	Research Publications (No. of papers published in)	National	20	International Journal	50	Conferences	30	
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	01---Text book on "Power Electronics Published by McGraw Hill Education (India) Private Limited, New Delhi-1998. ISBN—978-0-07-058389-4 ISBN _ 0-07-058389-7						

1	Name	**Dr. R. S. Dkekekar - Professor**							
2	Date of Birth	02 June 1967							
3	Unique ID	1-424113133							
4	Education Qualifications	Ph.D. 2014 M.E. 1998 B.E. 1989							
5	Work Experience	Teaching	31	Research	03	Industry	--	others	--
6	Area of Specialization	Power Electronics							
7	Courses (Subjects) taught	Under Graduate	Control System, Microprocessors, Biomedical Engineering, Instrumentation, Power Electronics, Values & Ethics, EDC Electronics Circuit Design						
		Post Graduate	Modern Electronics Design Technology (MEDT)						
8	Research guidance (Number of Students)	No. of Papers Published in	National	02	International Journals	12	Conferences		05
		Masters Degree	Completed	24	Ongoing				01
		Ph.D.	Completed	--	Ongoing				02
9	Projects Carried out	Projects based on different digital controllers , project based of Power electronics , project based on embedded systems and Solar Applications							
10	Patents	Filled	--	Granted			--		
11	Technology Transfer	--							
12	Research Publications (No. of papers published in)	National	02	International Journal	12	Conferences		05	
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--							

1	Name	**Dr. Santosh Balkrishna Patil - Professor**						
2	Date of Birth	26-04-1974						
3	Unique ID	1-424385441						
4	Education Qualifications	Ph.D. (VLSI- Electronics Engineering Master of Engineering (Digital Electronics) Master of Business Administration (Marketing Management) Bachelor of Engineering (Electronics & Telecomm. Engg.) ADCSSAA- PG Computer Diploma.						
5	Work Experience	Teaching	22	Research	12	Industry	2	others	0
6	Area of Specialization	VLSI-Analog/RF/Mixed Signal Internet of Things (IoT) Embedded System Design						

7	Courses (Subjects) taught	Under Graduate	Object Oriented Programming (Java, C++), VLSI ,Digital system Design, Electronics Devices and Circuits,Analog & Digital Integrated Circuits, Microcontroller Applications,Digital Signal Processing		
		Post Graduate	• VLSI • Micro process and Microcontrollers		

8	Research guidance (Number of Students)	No. of Papers Published in	National	03	International Journals	13	Conferences	11
		Masters Degree	Completed	17	Ongoing	02		
		Ph.D.	Completed	--	Ongoing	01		

9	Projects Carried out	35			
10	Patents	Filled	02	Granted	--
11	Technology Transfer	-			
12	Research Publications (No. of papers published in)	National	03	International Journal	13	Conferences	11
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication,etc.)	--			

1	Name	**Mr. Vinayak M. Umale – Associate Professor**						
2	Date of Birth	17.5.1966						
3	Unique ID	1-424083647						
4	Education Qualifications	DEE, BE (Industrial Electronics) M. Tech. (Instrumentation)						
5	Work Experience	Teaching	34	Research	--	Industry	01	others	--
6	Area of Specialization	Analog and Digital Systems, Biomedical Based Instrumentation, Computer and Communication Networking						

7	Courses (Subjects) taught	Under Graduate	EDC, NA, ADC, ADIC,EDC-II, AEDC, LIC, DIC, PCI, BME, CN, DCN
		Post Graduate	Digital Instrumentation and Control, Digital Instrumentation

8	Research guidance (Number of Students)	No. of Papers Published in	National	--	International Journals	30	Conferances	24
		Masters Degree	Completed	27	Ongoing	02		
		Ph.D.	Completed	--	Ongoing	02		

9	Projects Carried out	1. "Teleconference facility", sponsored by Videsh Sanchar Nigam Ltd. Training & Telecom Development Centre, Dighi, Pune, (Projectee: Abhishek A. Pandharipande and Group-2001-02) 2. " Complete Automation of wire Drawing Machine using Siemens make Programmable Controller", sponsored by Tata SSL Limited Tarapur wire plant, Thane(PG student-Mr. Manoj Sankhe, 2003-04) 3. " SCADA-Supervisory Control And Data Acquisition system for sugar industries using microcontroller", sponsored by Sharangdhar sugar Mills Limited, Mehkar, Dist Buldhana(MS). (PG student-Miss Swati S. Jayade, 2009-10) 4. " PLC Based raatio Controller and Material Distribution", sponsored by reliance Industries Limited, Nagpur Manufacturing Division, Mohada, Dist-Nagpur(MS). (PG stud.-Miss V. M. Badwaik, 2011-12) 5. " Intelligent Maximum Power Point Tracking" sponsored by SAMVED Energy Systems Pvt. Limited, Pune(PG student-Mr. Swapnil Wadodkar, 2014-15)

10	Patents	Filled	--	Granted		--

11	Technology Transfer	--				

12	Research Publications (No.of papers published in)	National	--	International Journal	30	Conferances	27

13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	Monograms of: • Volume-I (Electronics Devices and Circuits) • Volume-IV (Analog & Digital Circuits) • Volume-V (Linear Integrated circuits)

1	Name	**Mr. Vasant Ninaji Bhonge - Associate Professor**							
2	Date of Birth	06/5/1964							
3	Unique ID	1-424113075							
4	Education Qualifications	ME (Electronics), Ph. D. (Pursuing)							
5	Work Experience	Teaching	32	Research	--	Industry	01	others	--
6	Area of Specialization	Digital Communication							
7	Courses (Subjects) taught	Under Graduate	Digital System Design, Analog and Digital Communication, Digital Communication, Linear Integrated Circuits, Wireless Communication, Fiber Optics						
		Post Graduate	High Sped Digital System Design						
8	Research guidance (Number of Students)	No. of Papers Published in	National	09	International Journals	18	Conferences	06	
		Masters Degree	Completed	14	Ongoing	04			
		Ph.D.	Completed	---	Ongoing	---			
9	Projects Carried out	45 UG +18 PG							
10	Patents	Filled	--	Granted	--				
11	Technology Transfer	--							
12	Research Publications (No. of papers published in)	National	09	International Journal	18	Conferences	06		
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--							

1	Name	**Mr. Dinkar Laxman Bhombe – Assosiate Professor**							
2	Date of Birth	15 April 1966							
3	Unique ID	1-424113261							
4	Education Qualifications	BE (Industrial Electronics) MS (Electronics & Control Engg.)							
5	Work Experience	Teaching	33	Research	00	Industry	00	others	00
6	Area of Specialization	Electronics & Control Engineering Communication Engineering Artificial Intelligent System							
7	Courses (Subjects) taught	Under Graduate	Communication Engineering, Digital Communication, Fuzzy Logic & Neural Network, Data Communication Network, Biomedical Engineering, Industrial Electronics						
		Post Graduate	Digital Communication, Artificial Intelligence System						
8	Research guidance (Number of Students)	No. of Papers Published in	National	02	International Journals	20	Conferences		09
		Masters Degree	Completed	18	Ongoing	01			
		Ph.D.	Completed	00	Ongoing	00			
9	Projects Carried out	00							
10	Patents	Filled	00	Granted	00				
11	Technology Transfer	--							
12	Research Publications (No. of papers published in)	National	02	International Journal	20	Conferences	09		
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--							

1	Name	**Dr. Devesh D Nawgaje – Associate Professor**						
2	Date of Birth	01/04/1972						
3	Unique ID	1-424113367						
4	Education Qualifications	B.E., M.E., PhD						
5	Work Experience	Teaching	23	Research	--	Industry	4	others	--
6	Area of Specialization	Digital Electronics, Embedded System, Evolutionary Computing Techniques						
7	Courses (Subjects) taught	Under Graduate	Digital Electronics, Microprocessor, Microcontroller, Computer Organization, Computer Network					
		Post Graduate	Artificial Intelligent System, Computer Network					
8	Research guidance (Number of Students)	No. of Papers Published in	National	3	International Journals	29	Conferences	6
		Masters Degree	Completed	5	Ongoing	1		
		Ph.D.	Completed	0	Ongoing	1		
9	Projects Carried out	Implementation of Evolutionary Computing Techniques For Cancer Diagnosis						
10	Patents	Filled	--	Granted	--			
11	Technology Transfer	--						
12	Research Publications (No. of papers published in)	National	3	International Journal	29	Conferences	6
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--						

1	Name	**Dr. Bhavna Pandurand Harne – Assistant Professor**							
2	Date of Birth	31/08/1971							
3	Unique ID	1-424385511							
4	Education Qualifications	Ph.D.							
5	Work Experience	Teaching	17	Research	-	Industry	-	others	-
6	Area of Specialization	EEG signal processing							

7	Courses (Subjects) taught	Under Graduate	DID, EDC, NA, EMF, CSE, OOP, STLD, Microprocessor 8086					
		Post Graduate	Parallel computing					

8	Research guidance (Number of Students)	No. of Papers Published in	National	--	International Journals	01	Conferences	01
		Masters Degree	Completed	--	Ongoing	--		
		Ph.D.	Completed	--	Ongoing	--		

9	Projects Carried out	14				
10	Patents	Filled	--	Granted	--	
11	Technology Transfer	--				
12	Research Publications (No. of papers published in)	National	--	International Journal	05	Conferences	02
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--				

1	Name	**Dr. Dhiraj Pandharinath Tulaskar – Assistant Professor**							
2	Date of Birth	26th November 1983							
3	Unique ID	1-424113265							
4	Education Qualifications	Ph.D. (Electronics and Telecommunication Engineering), M. E (Digital Electronics) B.E. (Electronics & Telecommunication)							
5	Work Experience	Teaching	12	Research	2	Industry	-	others	-
6	Area of Specialization	VLSI Communication & DSP, RF/Microwave Circuit Design, Analog and Digital Communication							
7	Courses (Subjects) taught	Under Graduate	Satellite Communication,Communication Engineering-I, Communication Engineering-II, Wireless Communication,Digital Signal Processing, Fiber Optic Communication						
		Post Graduate	Digital Communication Techniques						
8	Research guidance (Number of Students)	No. of Papers Published in	National	6	International Journals	9	Conferences		3
		Masters Degree	Completed	1	Ongoing	0			
		Ph.D.	Completed	0	Ongoing	0			
9	Projects Carried out	14							
10	Patents	Filled	--	Granted	--				
11	Technology Transfer	1							
12	Research Publications (No. of papers published in)	National	6	International Journal	9	Conferences	3		
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--							

1	Name	**Mr. Amit N Dolas – Assistant Professor**							
2	Date of Birth	17 July 1983							
3	Unique ID	1-426009973							
4	Education Qualifications	ME (Digital Electronics)							
5	Work Experience	Teaching	13 Yrs.	Research	--	Industry	02	others	--
6	Area of Specialization	Robotics & Automation, Image Processing							
7	Courses (Subjects) taught	Under Graduate	Electronics Devices & Circuits, Analog & Digital Circuits, Linear Integrated Circuits, Analog Electronics-I, Analog Electronics-II, Control System Engineering, Computer Networking						
		Post Graduate	--						
8	Research guidance (Number of Students)	No. of Papers Published in	National	--	International Journals	--	Conferences	--	
		Masters Degree	Completed	--	Ongoing	--			
		Ph.D.	Completed	--	Ongoing	--			
9	Projects Carried out	21 UG Projects							
10	Patents	Filled	--	Granted	--				
11	Technology Transfer	--							
12	Research Publications (No. of papers published in)	National	--	International Journal	01	Conferences	02		
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--							

	Name	Dr. Vivek Vinayakrao Ratnaparkhi – Assistant Professor						
2	Date of Birth	10/02/1983						
3	Unique ID	1-424113269						
4	Education Qualifications	Ph.D. (Electronics and Telecommunication Engineering)						
5	Work Experience	Teaching	13 Yrs.	Research	01 Yr.	Industry	04 Months	others	Nil
6	Area of Specialization	Microwave Communication						
7	Courses (Subjects) taught	Under Graduate	Electronic Devices and Circuits, Electromagnetic Fields, Communication Engineering-I, Principles of Communication, Satellite Communication, Optical Fiber Communication, Satellite and Optical Fiber Communication, UHF and Microwaves					
		Post Graduate	--					
8	Research guidance (Number of Students)	No. of Papers Published in	National	--	International Journals	--	Conferences	01
		Masters Degree	Completed	--	Ongoing	--		
		Ph.D.	Completed	--	Ongoing	--		
9	Projects Carried out	UG Students projects guided No. 24						
10	Patents	Filled	--	Granted	--			
11	Technology Transfer	Nil						
12	Research Publications (No. of papers published in)	National	01	International Journal	03	Conferences	06	
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--						

1	Name	**Mr. Vikas Kamalkishor Bhangdiya – Assistant Professor**							
2	Date of Birth	20-July-1982							
3	Unique ID	1-426010459							
4	Education Qualifications	M.Tech (Electronics), Ph.D. (Pursuing)							
5	Work Experience	Teaching	12 Yrs.	Research	--	Industry	1.5 Yrs.	others	--
6	Area of Specialization	Image Processing, Embedded System, Machine Learning							
7	Courses (Subjects) taught	Under Graduate	Digital System Design, Signals and Systems, Communication Engineering, Microcontroller and Application, Communication Theory, Object-Oriented Programming, Robotics and Application						
		Post Graduate	Embedded System Design, CMOS VLSI Design						
8	Research guidance (Number of Students)	No. of Papers Published in	National	--	International Journals	--	Conferences		--
		Masters Degree	Completed	--	Ongoing	--			
		Ph.D.	Completed	--	Ongoing	--			
9	Projects Carried out	12 UG							
10	Patents	Filled	--	Granted	--				
11	Technology Transfer	--							
12	Research Publications (No. of papers published in)	National	--	International Journal	01	Conferences	01		
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--							

1	Name	**Mr. Kamlesh Tulshiram Kahar – Assistant Professor**							
2	Date of Birth	23/10/1986							
3	Unique ID	1-699072381							
4	Education Qualifications	M.Tech, PhD Pursuing							
5	Work Experience	Teaching	13	Research	03	Industry		others	
6	Area of Specialization	MEMS, Power Electronics, Digital Communication							
7	Courses (Subjects) taught	Under Graduate	Power Electronics, Instrumentation & Sensors , Communication Engineering I & II, Linear Electronic Devices, Analog & Digital Communication, Electronic Devices & Circuits						
		Post Graduate	Digital Instrumentation						
8	Research guidance (Number of Students)	No. of Papers Published in	National	--Nil-	International Journal	Nil	Conferences	-Nil-	
		Masters Degree	Completed	--Nil-	Ongoing	--Nil--			
		Ph.D.	Completed	--Nil-	Ongoing	--Nil--			
9	Projects Carried out								
10	Patents	Filled	--Nil--		Granted	--Nil--			
11	Technology Transfer								
12	Research Publications (No. of papers published in)	National	--Nil--	International Journal	01	Conferences	02		
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--Nil --							

1	Name	**Mr. Pawan D. Kale – Assistant Professor**						
2	Date of Birth	21/01/1989						
3	Unique ID	1-7392848695						
4	Education Qualifications	M.Tech, Ph.D (Pursuing)						
5	Work Experience	Teaching	11 Yr.	Research	--	Industry	--	others	--
6	Area of Specialization	Electromagnetic, Antenna Design						
7	Courses (Subjects) taught	Under Graduate	EMF,DC, DSP, CE, FO, IWT, Sat.Com					
		Post Graduate	ADSP					
8	Research guidance (Number of Students)	No. of Papers Published in	National	International Journals	--	Conferences	--	
		Masters Degree	Completed	--Nil--	Ongoing	--Nil--		
		Ph.D.	Completed	--Nil--	Ongoing	--Nil--		
9	Projects Carried out	12 UG						
10	Patents	Filled	--Nil--	Granted	--Nil--			
11	Technology Transfer	--Nil--						
12	Research Publications (No. of papers published in)	National	--Nil--	International Journal	03	Conferences	02	
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--Nil--						

1	Name	**Mrs. K. S. Vyas – Assistant Professor**						
2	Date of Birth	19/04/91						
3	Unique ID	1-7393043452						
4	Education Qualifications	ME(Digital Electronics)						
5	Work Experience	Teaching	10	Research	-	Industry	-	others	-
6	Area of Specialization	Digital Image Processing Communication						
7	Courses (Subjects) taught	Under Graduate	FO,FOSC, IWT, SOFC,CE,CE-II(Old),CE-II(New),DCN,CN,DC					
		Post Graduate	-					
8	Research guidance (Number of Students)	No. of Papers Published in	National	2	International Journals	Nil	Conferences	-Nil-
		Masters Degree	Completed	2017	Ongoing	--Nil--		
		Ph.D.	Completed	--Nil--	Ongoing	--Nil--		
9	Projects Carried out	07						
10	Patents	Filled	--Nil--	Granted	--Nil--			
11	Technology Transfer	--Nil--						
12	Research Publications (No. of papers published in)	National	--Nil--	International Journal	--Nil--	Conferences	--Nil--	
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--Nil--						

1	Name	**Mr. Swapnil Panjabrao Badar – Assistant Professor**						
2	Date of Birth	04/12/1986						
3	Unique ID	1-11121397101						
4	Education Qualifications	M.Tech (Electronics), Ph.D (Pursuing)						
5	Work Experience	Teaching	13	Research	--	Industry	1.5 Yr.	others	--
6	Area of Specialization	VLSI Design						
7	Courses (Subjects) taught	Under Graduate	VLSI Design, Network Analysis/Network Theory, Digital Electronics, Electronics Devices & Circuits, Electronics Devices & Components					
		Post Graduate	--					
8	Research guidance (Number of Students)	No. of Papers Published in	National	--Nil--	International Journals	Nil	Conferences	-Nil-
		Masters Degree	Completed	--Nil--	Ongoing	--Nil--		
		Ph.D.	Completed	--Nil--	Ongoing	--Nil--		
9	Projects Carried out							
10	Patents	Filled	--Nil--	Granted	--Nil--			
11	Technology Transfer							
12	Research Publications (No. of papers published in)	National	--Nil--	International Journal	--Nil--	Conferences	02	
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication,etc.)	--Nil--						

1	Name	**Mr. TEJRAO PANJABRAO MARODE – Assistant Professor**							
2	Date of Birth	23/06/1983							
3	Unique ID	1-7392232118							
4	Education Qualifications	ME(DIGITAL ELECTRONICS)							
5	Work Experience	Teaching	6 yrs	Research	--	Industry	--	others	15 yrs
6	Area of Specialization	PROGRAMMING AND NETWORKING							
7	Courses (Subjects) taught	Under Graduate	Web Development/OOP/JAVA/Python						
		Post Graduate							
8	Research guidance (Number of Students)	No. of Papers Published in	National	--Nil--	International Journal	Nil-		Conferences	-Nil-
		Masters Degree	Completed	--Nil--	Ongoing		--Nil--		
		Ph.D.	Completed	--Nil--	Ongoing		--Nil--		
9	Projects Carried out	Implementations (SAP-ERP)							
10	Patents	Filled	--Nil--	Granted	--Nil--				
11	Technology Transfer								
12	Research Publications (No. of papers published in)	National	1	International Journal	4	Conferences	--Nil--		
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--Nil--							

1	Name	**Mr. Vikram Suresh Ingole – Assistant Professor**							
2	Date of Birth	17/06/1988							
3	Unique ID	1-4448215276							
4	Education Qualifications	PhD(Pursuing) M.E.,B.E.							
5	Work Experience	Teaching	9	Research	--	Industry	--	others	--
6	Area of Specialization								
7	Courses (Subjects) taught	Under Graduate	Control System, Microprocessor, Microcontroller, AVR Microcontroller						
		Post Graduate	--Nil--						
8	Research guidance (Number of Students)	No. of Papers Published in	National	--Nil--	International Journals		Conferences		--
		Masters Degree	Completed	--Nil--	Ongoing				--Nil--
		Ph.D.	Completed	--Nil--	Ongoing				--Nil--
9	Projects Carried out	1.Implementation of cost effective smart Hydrophonic System Monitoring and controlling using IoT 2.Cattle health monitoring system							
10	Patents	Filled	--Nil--	Granted	--Nil--				
11	Technology Transfer	--Nil--							
12	Research Publications (No. of papers published in)	National	--Nil--	International Journal	5	Conferences	1		
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--Nil--							

1	Name	**Mr. Shon Gajanan Nemane – Assistant Professor**							
2	Date of Birth	30/07/1988							
3	Unique ID	1-4448215358							
4	Education Qualifications	BE(EXTC),ME(Digital Electronics)							
5	Work Experience	Teaching	10 Years	Research	--	Industry	--	others	--
6	Area of Specialization	Digital Electronics							
7	Courses (Subjects) taught	Under Graduate	EDC,ADE,DE,DSD,ADC						
		Post Graduate	--						
8	Research guidance (Number of Students)	No. of Papers Published in	National	--Nil--	International Journals	-Nil-	Conferences		--
		Masters Degree	Completed	2018	Ongoing				---
		Ph.D.	Completed	---	Ongoing				--
9	Projects Carried out	Automatic Smart Trolley Voice control home appliances using Rasberry-Pi							
10	Patents	Filled	--Nil--	Granted		--			
11	Technology Transfer	--Nil--							
12	Research Publications (No. of papers published in)	Completed	2	International Journal	--	Conferences			--
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--Nil--							

1	Name	**Ms. Ashwini Deshmukh – Assistant Professor**								
2	Date of Birth	23-10-91								
3	Unique ID	1-9312315828								
4	Education Qualifications	ME								
5	Work Experience	Teaching	4.5	Research	--	Industry	--	others	--	
6	Area of Specialization	Digital Electronics								
7	Courses (Subjects) taught	Under Graduate	EMF,BASIC ELECTRONICS,DIGITAL TECHNIQUES,IWT							
		Post Graduate	--							
8	Research guidance (Number of Students)	No. of Papers Published in	National	--	International Journals	--	Conferences	--		
		Masters Degree	Completed	--	Ongoing	--				
		Ph.D.	Completed	--	Ongoing	--				
9	Projects Carried out	--Nil--								
10	Patents	Filled	--	Granted	--					
11	Technology Transfer									
12	Research Publications (No. of papers published in)	National	--	International Journal	2	Conferences	--			
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--								

1	Name	**Sanjaykumar Purushottam Satal – Assistant Professor**						
2	Date of Birth	11/11/1969						
3	Unique ID	1-10971449176						
4	Education Qualifications	M.E. (Digital Electronics)						
5	Work Experience	Teaching	1	Research	-	Industry	-	others	-
6	Area of Specialization	Power Electronics, Instrumentation						
7	Courses (Subjects) taught	Under Graduate	--					
		Post Graduate	M.E.					
8	Research guidance (Number of Students)	No. of Papers Published in	National	---	International Journals	---	Conferences	---
		Masters Degree	Completed	---	Ongoing	---		
		Ph.D.	Completed	---	Ongoing	---		
9	Projects Carried out	Software and hardware projects based on Electrical engineering- U.G.-25-P.G.20						
10	Patents	Filled	---	Granted	---			
11	Technology Transfer	---						
12	Research Publications (No. of papers published in)	National	---	International Journal	---	Conferences	---	
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	---						

1	Name	**Mahendra Bhaurao Dhamande – Assistant Professor**						
2	Date of Birth	17 September 1963						
3	Unique ID	1-10971449164						
4	Education Qualifications	ME (Digital Electronics)						
5	Work Experience	Teaching	1	Research	--	Industry	--	others	32
6	Area of Specialization	Analog & Digital Electronics						

7	Courses (Subjects) taught	Under Graduate	--					
		Post Graduate	M.E.					

8	Research guidance (Number of Students)	No. of Papers Published in	National	--	International Journals	--	Conferences	--
		Masters Degree	Completed	--	Ongoing	--		
		Ph.D.	Completed	--	Ongoing	--		

9	Projects Carried out	Software and hardware projects based on Electrical engineering- U.G.-25-P.G.20						
10	Patents	Filled	--	Granted	---			
11	Technology Transfer	---						
12	Research Publications (No. of papers published in)	National	--	International Journal	--	Conferences	--	
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--						

1	Name	**Mr. Harshvardhan Balkrushna Patil – Assistant Professor**							
2	Date of Birth	10th October 1991							
3	Unique ID	1-43603801551							
4	Education Qualifications	M.E. (Digital Electronics), B.E. (Electronics and Telecommunication Engg.)							
5	Work Experience	Teaching	08	Research	--	Industry	--	others	--
6	Area of Specialization	Digital and Analog Electronics							
7	Courses (Subjects) taught	Under Graduate	Digital System Design, Network Theory, Eletronics Devices and Circuits, Control System Engineering & Analog and Digital Electronics						
		Post Graduate	--						
8	Research guidance (Number of Students)	No. of Papers Published in	National	--	International Journals	--	Conferences	--	
		Masters Degree	Completed	--	Ongoing	--			
		Ph.D.	Completed	--	Ongoing	--			
9	Projects Carried out	--Nil--							
10	Patents	Filled	--Nil--	Granted	--Nil--				
11	Technology Transfer								
12	Research Publications (No. of papers published in)	National	--Nil--	International Journal			Conferences	--	
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	----							

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➢ Department of Mechanical Engineering

1	Name	**Dr. Shivshankar P. Trikal – HOD & Professor**						
2	Date of Birth	19/12/1971						
3	Unique ID	1-424537075						
4	Education Qualifications	M.E, Ph.D.						
5	Work Experience	Teaching	21	Research	--	Industry	03	others	--
6	Area of Specialization	Manufacturing Engineering						
7	Courses (Subjects) taught	Under Graduate	1) MP-I, 2) MP-II, 3) TE, 4) MTD, 5) PPC					
		Post Graduate	1) AMP, 2) RPT					
8	Research guidance (Number of Students)	No. of Papers Published in	National	--	International Journals	--	Conferences	--
		Masters Degree	Completed	15	Ongoing	05		
		Ph.D.	Completed	--	Ongoing	03		
9	Projects Carried out	30						
10	Patents	Filled	01	Granted	--			
11	Technology Transfer	-						
12	Research Publications (No. of papers published in)	National	01	International Journal	20	Conferences	05	
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--						

1	Name	Dr. Vinay K. Thute – Associate Professor							
2	Date of Birth	15/04/1972							
3	Unique ID	1-424537079							
4	Education Qualifications	B.E.(Mechanical Engg.), M.Tech. (Mech. System Design), Ph.D. (Mechanical Engg.)							
5	Work Experience	Teaching	25	Research	--	Industry	01	others	--
6	Area of Specialization	Mechatronics, Theory of Machines & Mechanisms, Machine Condition Monitoring							
7	Courses (Subjects) taught	Under Graduate	1) Theory of Machine, 2) Mechatronics, 3) Engg. Graphics						
		Post Graduate	1) Design of Material Handling equipments, 2) Mechatronics in System Design.						
8	Research guidance (Number of Students)	No. of Papers Published in	National	--	International Journals	--	Conferences	--	
		Masters Degree	Completed	--	Ongoing	--			
		Ph.D.	Completed	--	Ongoing	--			
9	Projects Carried out	25							
10	Patents	Filled	--		Granted	--			
11	Technology Transfer	--							
12	Research Publications (No. of papers published in)	National	02	International Journal	--	Conferences		02	
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--							

1	Name	Dr. Javen G. Khan – Associate Professor							
2	Date of Birth	06/11/1978							
3	Unique ID	1-7393732985							
4	Education Qualifications	Ph.D.							
5	Work Experience	Teaching	14	Research	03	Industry	03	others	--
6	Area of Specialization	Manufacturing Engineering							
7	Courses (Subjects) taught	Under Graduate	1) Automobile Engineering, 2) Automation Engineering, 3) Engineering Graphics						
		Post Graduate	1) Lean Manufacturing, 2) Rapid Prototyping						
8	Research guidance (Number of Students)	No. of Papers Published	National	03	International Journals	08	Conferences	04	
		Masters Degree	Completed	04	Ongoing	01			
		Ph.D.	Completed	--	Ongoing	--			
9	Projects Carried out	14							
10	Patents	Filled	--	Granted	--				
11	Technology Transfer	--							
12	Research Publications (No. of papers published in)	National	03	International Journal	08	Conferences	04		
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--							

1	Name	**Dr. Nilesh Haribhau Khandare – Associate Professor**						
2	Date of Birth	14/08/1983						
3	Unique ID	1-1480531633						
4	Education Qualifications	M.E., Ph.D.						
5	Work Experience	Teaching	12	Research	02	Industry	05	others	--

6	Area of Specialization	Manufacturing Engineering, Production Technology, Industrial Engineering, Lean & Agile Manufacturing,

7	Courses (Subjects) taught	Under Graduate	1) MQC, 2) MAT Sci., 3) MP-I, 4) MP-II, 5) MS, 6)AE, 7) NCES, 8) MD
		Post Graduate	1) CAPM, 2) LM

8	Research guidance (Number of Students)	No. of Papers Published in	National	--	International Journals	02	Conferences	--
		Masters Degree	Completed	03	Ongoing	01		
		Ph.D.	Completed	--	Ongoing	--		

9	Projects Carried out	13				
10	Patents	Filled	--	Granted	--	
11	Technology Transfer	Leakage Testing of Reverse Sleeve Yoke without water				
12	Research Publications (No. of papers published in)	National	02	International Journal	05	Conferences	02

13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--

1	Name	**Mr. Madhao Baliram Bhambere – Assistant Professor**							
2	Date of Birth	15/10/1981							
3	Unique ID	1-425538641							
4	Education Qualifications	M-Tech. (R), Ph.D. (Appeared)							
5	Work Experience	Teaching	17	Research	--	Industry	--	others	--
6	Area of Specialization	Thermal Engineering							
7	Courses (Subjects) taught	Under Graduate	1) Heat Transfer, 2) Fluid Power-I, 3) Fluid Power-II, 4) EG, 5)CSE, 6) TOM-I, 7) RAC.						
		Post Graduate	--						
8	Research guidance (Number of Students)	No. of Papers Published in	National	--	International Journals	06	Conferences	--	
		Masters Degree	Completed	03	Ongoing	01			
		Ph.D.	Completed	--	Ongoing	--			
9	Projects Carried out	24							
10	Patents	Filled	18	Granted	03				
11	Technology Transfer								
12	Research Publications (No. of papers published in)	National	--	International Journal	08	Conferences	03		
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--							

1	Name	Mr. Chinmay Vasant Patil – Assistant Professor						
2	Date of Birth	11/07/1978						
3	Unique ID	1-425538645						
4	Education Qualifications	M.E. (CAD/CAM)						
5	Work Experience	Teaching	17	Research	--	Industry	01	others	--
6	Area of Specialization	Computer Aided Design & Manufacturing						
7	Courses (Subjects) taught	Under Graduate	1) EM, 2) CADS					
		Post Graduate	1) CADE					
8	Research guidance (Number of Students)	No. of Papers Published in	National	--	International Journals	--	Conferences	--
		Masters Degree	Completed	--	Ongoing	--		
		Ph.D.	Completed	--	Ongoing	--		
9	Projects Carried out	Smart stick for blind people.						
10	Patents	Filled	--	Granted	--			
11	Technology Transfer	--						
12	Research Publications (No. of papers published in)	National	--	International Journal	--	Conferences	--	
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--						

1	Name	**Mr. Ajay Suresh Bharule – Assistant Professor**						
2	Date of Birth	11/08/1983						
3	Unique ID	1-425658591						
4	Education Qualifications	M-Tech.						
5	Work Experience	Teaching	13	Research	-	Industry	02	others	--
6	Area of Specialization	Machine Design & Analysis						

| 7 | Courses (Subjects) taught | Under Graduate | 1) EM, 2) MOM, 3) MD, 4) TOM, 5) ORT | | | | | |
| | | Post Graduate | 1) AMD, 2) ESA | | | | | |

8	Research guidance (Number of Students)	No. of Papers Published in	National	-	International Journals	10	Conferences	--
		Masters Degree	Completed	10	Ongoing	--		
		Ph.D.	Completed	--	Ongoing	-		

9	Projects Carried out	12						
10	Patents	Filled	--		Granted	--		
11	Technology Transfer	--						
12	Research Publications (No. of papers published in)	National	03	International Journal	--	Conferences	--	
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--						

1	Name	**Mr. Nitin B. Borkar – Assistant Professor**						
2	Date of Birth	09/10/1984						
3	Unique ID	1-1478729608						
4	Education Qualifications							
5	Work Experience	Teaching	12	Research	--	Industry	--	others	--
6	Area of Specialization	Production Engineering						
7	Courses (Subjects) taught	Under Graduate	1) EG, 2) IMC, 3) MOM, 4) MDR, 5) PT, 6) E Met.					
		Post Graduate	1) CAPM					
8	Research guidance (Number of Students)	No. of Papers Published in	National	-	International Journals	04	Conferences	--
		Masters Degree	Completed	05	Ongoing		--	
		Ph.D.	Completed	--	Ongoing		--	
9	Projects Carried out	15						
10	Patents	Filled	01	Granted		--		
11	Technology Transfer	--						
12	Research Publications (No. of papers published in)	National	--	International Journal	06	Conferences		02
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--						

1	Name	**Mr. Pradeep T. Patokar – Assistant Professor**							
2	Date of Birth	22/10/1986							
3	Unique ID	1-458662391							
4	Education Qualifications	ME(Manufacturing)							
5	Work Experience	Teaching	12	Research	--	Industry	--	others	--
6	Area of Specialization	Manufacturing							
7	Courses (Subjects) taught	Under Graduate	Workshop-I, Workshop-II						
		Post Graduate	--						
8	Research guidance (Number of Students)	No. of Papers Published in	National	-	International Journals		Conferences	--	
		Masters Degree	Completed	--	Ongoing	--			
		Ph.D.	Completed	--	Ongoing	--			
9	Projects Carried out	03							
10	Patents	Filled	--	Granted	--				
11	Technology Transfer	--							
12	Research Publications (No. of papers published in)	National	--	International Journal	06	Conferences	--		
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--							

1	Name	**Mr. S. Q. Syed – Assistant Professor**							
2	Date of Birth	06/11/1984							
3	Unique ID	1-1435368613							
4	Education Qualifications	M-Tech.							
5	Work Experience	Teaching	10	Research	--	Industry	01	others	--
6	Area of Specialization	Thermal Engineering							
7	Courses (Subjects) taught	Under Graduate	1) EC-I, 2) EC-II, 3) ET, 4) MOM, 5) NCES, 6) HT						
		Post Graduate	--						
8	Research guidance (Number of Students)	No. of Papers Published in	National	-	International Journals	--	Conferences	--	
		Masters Degree	Completed	--	Ongoing	--			
		Ph.D.	Completed	--	Ongoing	-			
9	Projects Carried out	10							
10	Patents	Filled	--	Granted	--				
11	Technology Transfer	--							
12	Research Publications (No. of papers published in)	National	--	International Journal	--	Conferences	--		
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--							

1	Name	**Mr. Kunal D. Gadgil – Assistant Professor**						
2	Date of Birth	06/12/1987						
3	Unique ID	1-7397108400						
4	Education Qualifications	M-Tech. (R), Ph.D. (Perusing)						
5	Work Experience	Teaching	10	Research	--	Industry	02	others	--
6	Area of Specialization	Thermal Engineering						
7	Courses (Subjects) taught	Under Graduate	1) TOM-I, 2) RAC, 3) EC-II, 4) EAM, 5) HPS					
		Post Graduate	--					
8	Research guidance (Number of Students)	No. of Papers Published in	National	-	International Journals	--	Conferences	--
		Masters Degree	Completed	--	Ongoing	--		
		Ph.D.	Completed	-	Ongoing	-		
9	Projects Carried out	Evaporative cooler using earthen tubes with passive cooling						
10	Patents	Filled	--	Granted	--			
11	Technology Transfer	--						
12	Research Publications (No. of papers published in)	National	03	International Journal	--	Conferences	--
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--						

1	Name	**Prof. Kiran V. Chandan – Assistant Professor**							
2	Date of Birth	01/07/1989							
3	Unique ID	1-7398363239							
4	Education Qualifications	M.Tech. Ph.D. (Pursuing)							
5	Work Experience	Teaching	07	Research	--	Industry	02	others	--
6	Area of Specialization	Mechanical Engineering Design							

7	Courses (Subjects) taught	Under Graduate	1) Fluid Mechanics, 2) IC Engines, 3) Thermodynamics
		Post Graduate	--

8	Research guidance (Number of Students)	No. of Papers Published in	National	-	International Journals	--	Conferences	--
		Masters Degree	Completed	--	Ongoing		--	
		Ph.D.	Completed	--	Ongoing		--	

9	Projects Carried out	Productivity Enhancement of Crimping operation			
10	Patents	Filled	--	Granted	--
11	Technology Transfer	--			

12	Research Publications (No. of papers published in)	National	--	International Journal	03	Conferences	01

13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--

1	Name	**Mr. Piyush Ashokrao Dalke – Assistant Professor**						
2	Date of Birth	07/02/1993						
3	Unique ID	1-10970730651						
4	Education Qualifications	B.E , M-Tech , Ph-D (Pursuing*) Mechanical Engineering						
5	Work Experience	Teaching	05	Research	-	Industry	--	others	--
6	Area of Specialization	Manufacturing Engineering						

7	Courses (Subjects) taught	Under Graduate	BME , MS , MP, IPR			
		Post Graduate	--			

8	Research guidance (Number of Students)	No. of Papers Published in	National	-	International Journals	-	Conferences	-
		Masters Degree	Completed	-	Ongoing		-	
		Ph.D.	Completed	-	Ongoing		-	

9	Projects Carried out	Investigation of hybrid nano fluids characteristics drilling using MQL.			
10	Patents	Filled	18	Granted	03
11	Technology Transfer	--			
12	Research Publications (No. of papers published in)	National	03	International Journal	03	Conferences	05

13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	➢ "Introduction to Mechanical Engineering" in LAMBERT International publication *ISBN No.978-613-9-97609-6 (Year 2018)* ➢ "Basic Mechanical Engg" in Gigatech Publishing House national publication under SPPU Pune syllabus for FE departmental. *ISBN No. 978-81-93505-78-6 (Year 2019)* ➢ "Engineering Graphics" in Nirali prakashan Publishing House national publication under SPPU Pune syllabus for FE departmental. *ISBN No. 978-93-89825-75-6 (Year 2020)* ➢ "Fluid Mechanics" in Aditya Publishing House national publication under SGBAU Amravati syllabus for SE departmental. ISBN No.978-81-949235-0-3 *(Year 2021)*

1	Name	**Prof. Kailash Dudhe – Assistant Professor**							
2	Date of Birth	30th December 1992							
3	Unique ID	1-38076510081							
4	Education Qualifications	M.E., B.E.							
5	Work Experience	Teaching	03	Research	--	Industry	--	others	--
6	Area of Specialization	Thermal Engineering & Plate Heat Exchanger							
7	Courses (Subjects) taught	Under Graduate	Engineering Graphics, Fluid Mechanics, Design of Machine Element, Project Management, Metrology and Quality Control						
		Post Graduate	--						
8	Research guidance (Number of Students)	No. of Papers Published in	National	--	International Journals	--	Conferences	--	
		Masters Degree	Completed	--	Ongoing	--			
		Ph.D.	Completed	--	Ongoing	--			
9	Projects Carried out	--							
10	Patents	Filled	--	Granted	--				
11	Technology Transfer	--							
12	Research Publications (No. of papers published in)	National	--	International Journal	--	Conferences	--		
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--							

1	Name	**Dr. Saurabh P. Joshi – Assistant Professor**							
2	Date of Birth	18th August 1988							
3	Unique ID	1-38081534742							
4	Education Qualifications	M.E., Ph.D.							
5	Work Experience	Teaching	6.3	Research	--	Industry	--	others	--
6	Area of Specialization	Thermal Engineering, Energy Management, Heat Transfer Augmentation							
7	Courses (Subjects) taught	Under Graduate	Applied Thermodynamics, Fluid Mechanis, Energy Conversion, Non Conventional Energy Sources, Turbo Machines & Automobile Engineering						
		Post Graduate	--						
8	Research guidance (Number of Students)	No. of Papers Published in	National	-	International Journals	--	Conferences		--
		Masters Degree	Completed	--	Ongoing	--			
		Ph.D.	Completed	--	Ongoing	--			
9	Projects Carried out	--							
10	Patents	Filled	--	Granted	--				
11	Technology Transfer	--							
12	Research Publications (No. of papers published in)	National	--	International Journal	--	Conferences	--		
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--							

1	Name	**Prof. Vishnu T. Mahske – Assistant Professor**							
2	Date of Birth	8th August 1991							
3	Unique ID	1-43604623428							
4	Education Qualifications	M.E., B.E.							
5	Work Experience	Teaching	04	Research	-	Industry	--	others	--
6	Area of Specialization	Cryogenics Engineering, Heat and Power							
7	Courses (Subjects) taught	Under Graduate	Engg. Thermodynamics, IC Engine, RAC & Manufacturing Processes						
		Post Graduate	--						
8	Research guidance (Number of Students)	No. of Papers Published in	National	-	International Journals	--	Conferences	--	
		Masters Degree	Completed	--	Ongoing			--	
		Ph.D.	Pursuing	--	Ongoing			--	
9	Projects Carried out	--							
10	Patents	Filled	--	Granted	--				
11	Technology Transfer	Solar Energy Technology is used for installation of various solar power plant							
12	Research Publications (No. of papers published in)	National	--	International Journal	--	Conferences	--		
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--							

1	Name	**Prof. Ganesh S. Wahile – Assistant Professor**						
2	Date of Birth	3rd October 1991						
3	Unique ID	1-43604623540						
4	Education Qualifications	M.E., B.E.						
5	Work Experience	Teaching	08	Research	--	Industry	--	others	--
6	Area of Specialization	Thermal Engineering / Mechatronics / IoT/Photovoltic Panel						
7	Courses (Subjects) taught	Under Graduate	Mechatronics, Automation & Machine Learning, Thermodynamics, Heat Transfer, Material Technology, Production Processes-I					
		Post Graduate	--					
8	Research guidance (Number of Students)	No. of Papers Published in	National	-	International Journals	--	Conferences	--
		Masters Degree	Completed	--	Ongoing	--		
		Ph.D.	Pursuing	--	Ongoing	--		
9	Projects Carried out	--						
10	Patents	Filled	--	Granted	--			
11	Technology Transfer	--						
12	Research Publications (No. of papers published in)	National	--	International Journal	--	Conferences	--	
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--						

Department of Computer Science and Engineering

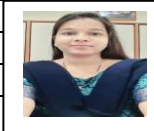| 1	Name	**Dr. Jaikumar M. Patil – HOD & Associate Professor**						
2	Date of Birth	10-Nov-1972						
3	Unique ID	1-1478310273						
4	Education Qualifications	M. Tech (CSE), Ph.D.						
5	Work Experience	Teaching	21 Yrs	Research	--	Industry	3 Yrs	others	--
6	Area of Specialization	Data Mining and Learning Analytics						
7	Courses (Subjects) taught	Under Graduate	Computer Programming, Software Engineering, Computer Architecture and Organization, Web Engineering, Computer Organization, Computer Architecture, File Structures and Data Processing, Object Oriented Programming, Programming Methodology, Object Oriented Analysis and Design.					
		Post Graduate	Advanced Computer Architecture, Embedded System Design					
8	Research guidance (Number of Students)	No. of Papers Published in	National	--	International Journals	09	Conferences	05
		Masters Degree	Completed	10	Ongoing	--		
		Ph.D.	Completed	--	Ongoing	--		
9	Projects Carried out	UG - 18 PG - 12						
10	Patents	Filled	--	Granted	--			
11	Technology Transfer	--						
12	Research Publications (No. of papers published in)	National	--	International Journal	21	Conferences	10	
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication.)	--						

1	Name	**Dr. Narendra M. Kandoi – Associate Professor**						
2	Date of Birth	27th November 1967						
3	Unique ID	1-426009707						
4	Education Qualifications	Ph. D. (Computer Science and Engg)						
5	Work Experience	Teaching	33 Years	Research	10 Years	Industry	---	others	----
6	Area of Specialization	Web Technology and Security						

7	Courses (Subjects) taught	Under Graduate	Programming Methodology, Operating System, Web Engineering ,Computing Resource Management ,File Structure and Data Processing ,Computer Organization, Theory of Computation, Introduction to Cyber Security, Design and analysis of Algorithm , 'C' programming
		Post Graduate	Expert System Design ,Embedded System ,System Security ,Advanced Compilation Techniques

8	Research guidance (Number of Students)	No. of Papers Published in	National	----	International Journals	04	Conferences	10
		Masters Degree	Completed	12	Ongoing	01		
		Ph.D.	Completed	---	Ongoing	---		

9	Projects Carried out					
10	Patents	Filled	----	Granted	------	
11	Technology Transfer					
12	Research Publications (No. of papers published in)	National	-------	International Journal	11	Conferences	------

13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--------------------

1	Name	**Chandrashekhar Marotrao Mankar – Assistant Professor**							
2	Date of Birth	30/10/1968							
3	Unique ID	1-421854911							
4	Education Qualifications	B. E. (CSE), M.E.(CSE)							
5	Work Experience	Teaching	26 Years	Research			Industry	2 Years	ot
6	Area of Specialization	Computer Network, Data Sci & ML							

7	Courses (Subjects) taught	Under Graduate	Computer Network & Internet,Artificial Intelligence, Database Systems,Theory of Computation, System Software, Compiler Design,Software Engineering,Network Security, Advanced Unix/ Linux Programming,Mobile Computing, Embedded Systems.
		Post Graduate	Operating System Design,Advanced Compiler Design, Algorithmics,Mobile Computing,Embedded Systems Design.

8	Research guidance (Number of Students)	No. of Papers Published in	National	-	International Journals	15	Conferences	20
		Masters Degree	Completed	**15**	Ongoing	-		
		Ph.D.	Completed	-	Ongoing	-		

9	Projects Carried out	-					
10	Patents	Filled	-	Granted	-		
11	Technology Transfer	Worked as a resource person during the STTP on "Image Processing and Machine Learning-hands on training using MATLAB".					
12	Research Publications (No. of papers published in)	National	04	International Journal	03	Conferences	03
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-					

1	Name	**Vishwanath Sampat Mahalle – Assistant Professor**						
2	Date of Birth	1st February 1967						
3	Unique ID	1-421855191						
4	Education Qualifications	B. E. (CSE), M.E.(CE), PhD pursuing						
5	Work Experience	Teaching	26 Years	Research	--	Industry	1 Year	others	-
6	Area of Specialization	Computer Vision and Machine Learning						
7	Courses (Subjects) taught	Under Graduate	Object Oriented Programming (C++), Object Oriented Programming (Java), Programming Methodology, Data Structures, Object Oriented Analysis and Design,Software Engineering, Network Security, Cryptography.Professional Ethics					
		Post Graduate	Object Oriented System System Security					
8	Research guidance (Number of Students)	No. of Papers Published in	National	-	International Journals	15	Conferences	20
		Masters Degree	Completed	14	Ongoing	-		
		Ph.D.	Completed	-	Ongoing	--		
9	Projects Carried out	-						
10	Patents	Filled	-	Granted	-			
11	Technology Transfer	Worked as a resource person during the STTP on "Image Processing and Machine Learning-hands on training using MATLAB".						
12	Research Publications (No. of papers published in)	National	04	International Journal	03	Conferences	03	
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication,etc.)	-						

1	Name	**Dr. Pankaj K. Bharne – Assistant Professor**							
2	Date of Birth	25-07-1982							
3	Unique ID	1-426009817							
4	Education Qualifications	Ph.D.(CSE), M.E., MBA(HR)							
5	Work Experience	Teaching	12.6 Yr.	Research	03 Yr.	Industry	4 .10 Yr.	others	--
6	Area of Specialization	SAP HR, Database Administration.							
7	Courses (Subjects) taught	Under Graduate	Artificial Intelligence, Discrete Structure and graph theory,						
		Post Graduate	ACA, OSD						
8	Research guidance (Number of Students)	No. of Papers Published in	National	--	International Journals	--	Conferences	--	
		Masters Degree	Completed	04	Ongoing	--			
		Ph.D.	Completed	--	Ongoing	--			
9	Projects Carried out	07							
10	Patents	Filled	--	Granted	--				
11	Technology Transfer	--							
12	Research Publications (No. of papers published in)	National	-	International Journal	11	Conferences	9		
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--							

1	Name	**Ms. Kalyani P. Sable – Assistant Professor**							
2	Date of Birth	16.11.1988							
3	Unique ID	1-1476665323							
4	Education Qualifications	B.E. (CSE), M.E. (CSE), Pursuing Ph. D.							
5	Work Experience	Teaching	12	Research	--	Industry	--	others	--
6	Area of Specialization	Machine Learning							

7	Courses (Subjects) taught	Under Graduate	Data Structures, Computer Programming, Object Oriented Programming, Discrete Structures, Data Communication, Software Engineering, Data Communication & Networking, Digital Integrated Circuits, Network Security, Database Management Systems, E-commerce.
		Post Graduate	Algorithmics, Embedded Systems Design

8	Research guidance (Number of Students)	No. of Papers Published in	National	--	International Journals	--	Conferences	--
		Masters Degree	Completed	--	Ongoing	1		
		Ph.D.	Completed	--	Ongoing	--		

9	Projects Carried out	18			
10	Patents	Filled	--	Granted	--
11	Technology Transfer	--			

12	Research Publications (No. of papers published in)	National	--	International Journal	--	Conferences	3

13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

1	Name	**Lopamudra Samal – Assistant Professor**							
2	Date of Birth	22/10/2082							
3	Unique ID	1-3599633534							
4	Education Qualifications	MTech							
5	Work Experience	Teaching	10	Research	--	Industry	--	others	--
6	Area of Specialization	VLSI and Embedded System Design							
7	Courses (Subjects) taught	Under Graduate	STLD,EDC,ECD,I&S,ADC,VLSI,ADIC						
		Post Graduate	--						
8	Research guidance (Number of Students)	No. of Papers Published in	National	--	International Journals	--	Conferences	--	
		Masters Degree	Completed	--	Ongoing	--			
		Ph.D.	Completed	--	Ongoing	--			
9	Projects Carried out	3							
10	Patents	Filled	--	Granted	--				
11	Technology Transfer								
12	Research Publications (No. of papers published in)	National	--	International Journal	--	Conferences	7		
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)								

1	Name	**Dr. Ms. Priyanka V. Deshmukh – Assistant Professor**						
2	Date of Birth	08-10-1990						
3	Unique ID	1-2983384439						
4	Education Qualifications	BE (IT), ME(CE), PhD						
5	Work Experience	Teaching	8	Research	--	Industry	--	others	--
6	Area of Specialization	Image Processing , Reversible Data Hiding						

7	Courses (Subjects) taught	Under Graduate	Computer Organization , Computer Architecture, Assembly Language programming, Discrete Structure & graph theory, Professional ethics, Digital Signal Processing, Embedded system, Microprocessor & ALP				
		Post Graduate	Algorithmic, Embedded system design				

8	Research guidance (Number of Students)	No. of Papers Published in	National	--	International Journals	--	Conferences	--
		Masters Degree	Completed	--	Ongoing	1		
		Ph.D.	Completed	--	Ongoing	--		

9	Projects Carried out	12						
10	Patents	Filled	--	Granted	--			
11	Technology Transfer	--						
12	Research Publications (No. of papers published in)	National	1	International Journal	3	Conferences	7
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--						

1	Name	**Prof. Deepavali P. Tathe – Assistant Professor**						
2	Date of Birth	1-008-1985						
3	Unique ID	1-10971449105						
4	Education Qualifications	M.E.(CE)						
5	Work Experience	Teaching	12	Research	0	Industry	1.10	others	0
6	Area of Specialization	Machine Learning, Data Science and Data Analytics						
7	Courses (Subjects) taught	Under Graduate	Computer Programming- C Language,Object Oriented Programming – C++ Language,Design Analysis and Algorithm ,Data Structure, Software Engineering					
		Post Graduate	NIL					
8	Research guidance (Number of Students)	No. of Papers Published in	National	-	International Journals	-	Conferences	-
		Masters Degree	Completed	-	Ongoing	-		
		Ph.D.	Completed	-	Ongoing	-		
9	Projects Carried out	0						
10	Patents	Filled	01	Granted	0			
11	Technology Transfer	-						
12	Research Publications (No. of papers published in)	National	5	International Journal	10	Conferences	06	
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	0						

1	Name	**Shrijeet Bharatbhushan Pagrut - – Assistant Professor**						
2	Date of Birth	07-07-1991						
3	Unique ID	1-10971449117						
4	Education Qualifications	M.E.(CSE)						
5	Work Experience	Teaching	09	Research	0	Industry	0	others	0
6	Area of Specialization	Mobile Computing and Information Security						
7	Courses (Subjects) taught	Under Graduate	Mobile Communication, Data Communication, Network Security, Computer Architecture, File Structure and Data Processing, Theory of Computing, Computer Programming using C					
		Post Graduate	ACA					
8	Research guidance (Number of Students)	No. of Papers Published in	National	-	International Journals	-	Conferences	-
		Masters Degree	Completed	-	Ongoing	-		
		Ph.D.	Completed	-	Ongoing	-		
9	Projects Carried out	0						
10	Patents	Filled	0	Granted		0		
11	Technology Transfer	-						
12	Research Publications (No. of papers published in)	National	5	International Journal	0	Conferences	0	
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication,etc.)	0						

1	Name	**Dr. Rupali Anantro Zamare – Assistant Professor**						
2	Date of Birth	16/10/1983						
3	Unique ID	1-10971449081						
4	Education Qualifications	BE(IT),ME(CSE),MBA(SYSTEMS),PhD						
5	Work Experience	Teaching	10.5	Research	--	Industry	--	others	--
6	Area of Specialization	Computer Science and Engineering						
7	Courses (Subjects) taught	Under Graduate	Programming and Problem Solving(Python),Fundamentals of Programming Language, Database Management System,Software architecture Design Patterns, Advance DBMS, ComputerOrganization, Object Oriented Modeling, Information Retrieval and Design,					
		Post Graduate	Organizational Behavior and ERP,MIS.					
8	Research guidance (Number of Students)	No. of Papers Published in	National	1	International Journals	4	Conferences	--
		Masters Degree	Completed	--	Ongoing	--		
		Ph.D.	Completed	--	Ongoing	--		
9	Projects Carried out	15						
10	Patents	Filled	--	Granted	--			
11	Technology Transfer							
12	Research Publications (No. of papers published in)	National	1	International Journal	4	Conferences	--	
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication,etc.	--						

1	Name	**Dr. Neerja Suresh Dharmale – Assistant Professor**						
2	Date of Birth	17th September 1987						
3	Unique ID	1-43370818348						
4	Education Qualifications	Ph.D., M.Tech, B.E.						
5	Work Experience	Teaching	06	Research	05	Industry	--	others	--
6	Area of Specialization	Material Science, Device Simulation, VLSI, Signal Processing						

7	Courses (Subjects) taught	Under Graduate	Eletronics Devices and Circuits,Digital System Design, Computer Architecture, Digital Signal Processing, Signal and System & Industrial Instrumentation				
		Post Graduate	--				

8	Research guidance (Number of Students)	No. of Papers Published in	National	--Nil--	International Journals	--Nil--	Conferences	-Nil-
		Masters Degree	Completed	--Nil--	Ongoing	--Nil--		
		Ph.D.	Completed	--Nil--	Ongoing	--Nil--		

9	Projects Carried out	--Nil--				
10	Patents	Filled	--Nil--	Granted	--Nil--	
11	Technology Transfer	--				
12	Research Publications (No. of papers published in)	National	--Nil--	International Journal	--	Conferences	--Nil--
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--Nil--				

1	Name	**Dr. Rupesh Subhash Mahamune – Assistant Professor**	
2	Date of Birth	14th September 1982	
3	Unique ID	1-43368580500	
4	Education Qualifications	Ph.D., M.Tech, B.E.	

5	Work Experience	Teaching	12	Research	05	Industry	--	others	--

6	Area of Specialization	Biomedical Signal and Image Processing, VLSI, signal processing

7	Courses (Subjects) taught	Under Graduate	Electromagnetic Wave, Industrial Instrumentation, Embedded System, Microcontroller, Microprocessor, Object Oriented programming
		Post Graduate	--

8	Research guidance (Number of Students)	No. of Papers Published in	National	--Nil--	International Journals	--Nil--	Conferences	-Nil-
		Masters Degree	Completed	--Nil--	Ongoing	--Nil--		
		Ph.D.	Completed	--Nil--	Ongoing	--Nil--		

9	Projects Carried out	--Nil--

10	Patents	Filled	--Nil--	Granted	--Nil--

11	Technology Transfer	

12	Research Publications (No. of papers published in)	National	--Nil--	International Journal	--	Conferences	--Nil--

13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--Nil--

1	Name	**Dr. Amitkumar Subhashrao Manekar – HOD & Associate Professor**							
2	Date of Birth	24/05/1983							
3	Unique ID	1-2983384533							
4	Education Qualifications	MTech CSE, Ph.D CSE (REG.)							
5	Work Experience	Teaching	15	Research	NIL	Industry	02	Others	NIL
6	Area of Specialization	COMPUTER SCIENCE OF ENGINEERING, HPC, DATA ANALSYSIS, NETWORK SECURITY							
7	Courses (Subjects) taught	Under Graduate	OOAD, OS, SE, UNIX, DCN, CN, OOPS, DBMS						
		Post Graduate	--						
8	Research guidance (Number of Students)	No. of Papers Published in	National	03	International Journals	20	Conferences		15
		Masters Degree	Completed	NA	Ongoing	NA			
		Ph.D.	Completed	NA	Ongoing	NA			
9	Projects Carried out	20							
10	Patents	Filled	NIL	Granted	NIL				
11	Technology Transfer	COPYRIGHT FILLED -02							
12	Research Publications (No. of papers published in)	National	03	International Journal	20	Conferences	15		
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	BOOK CHAPTER -02 01. "Metaheuristic Optimization Using Hybrid Algorithmin Cloud-Based Big Data Analytics", Lecture Notes in Networks and Systems VOL 215 IN Proceedings of the2nd InternationalConferenceonComputationalandBioEngineeringCBE 2020SPRINGERS PUBLICATION. ISSN 2367-3370 ISSN 2367-3389 (electronic)ISBN 978-981-16-1940-3 ISBN 978-981-16-1941-0 (eBook)https://doi.org/10.1007/978-981-16-1941-0 2021 02. "Optimizing Cost and Maximizing Profit for Multi-Cloud-Based Big Data Computing by Deadline-Aware Optimize Resource Allocation"Studies in Computational Intelligence 921, Recent Studies on Computational Intelligence Doctoral Symposium on Computational Intelligence (DoSCI 2020) BY SPRINGER, ISSN 1860-949X ISSN 1860-9503 (electronic), ISBN 978-981-15-8468-8 , ISBN 978-981-15-8468-8 ISBN 978-981-15-8469-5 (eBook) https://doi.org/10.1007/978-981-15-8469-5 2021								

1	Name	**Ms.Priti Vasant Kale – Assistant Professor**							
2	Date of Birth	2nd April 1983							
3	Unique ID	1-426009657							
4	Education Qualifications	M.Tech., I.T. Ph.D. CSE Pursuing							
5	Work Experience	Teaching	19 Yr.	Research	--	Industry	--	others	--
6	Area of Specialization	Biomedical Image Processing							

7	Courses (Subjects) taught	Under Graduate	Object Oriented Programming, Operating Systems, Computer Networks, Distributed Database Management Systems
		Post Graduate	Advanced Computer Networks

8	Research guidance (Number of Students)	No. of Papers Published in	National	--	International Journals	01	Conferences	--
		Masters Degree	Completed	01	Ongoing	--		
		Ph.D.	Completed	--	Ongoing	--		

9	Projects Carried out	--					
10	Patents	Filled	--	Granted	--		
11	Technology Transfer	--					
12	Research Publications (No. of papers published in)	National	--	International Journal	05	Conferences	02
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--					

1	Name	**Mr. Anand G Sharma - – Assistant Professor**							
2	Date of Birth	04/11/1988							
3	Unique ID	1-7428356968							
4	Education Qualifications	BE,M-Tech, PhD (Pursuing)							
5	Work Experience	Teaching	12	Research	--	Industry	--	others	--
6	Area of Specialization	Digital Logic,Software Engineering							
7	Courses (Subjects) taught	Under Graduate	Digital Integrated Circuits E Commerce Introduction to Computer Networks Object Oriented Programming Web Technology Software Engineering Cyber Law and Ethics Digital and Wireless Communication						
		Post Graduate	NIl						
8	Research guidance (Number of Students)	No. of Papers Published in	National	--	International Journals	--	Conferences	--	
		Masters Degree	Completed	--	Ongoing	--			
		Ph.D.	Completed	--	Ongoing	--			
9	Projects Carried out	Nil							
10	Patents	Filled	--	Granted	--				
11	Technology Transfer	Nil							
12	Research Publications (No. of papers published in)	National	--	International Journal	7	Conferences	--		
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	Nil							

1	Name	**M. Faizan I. Khandwani - – Assistant Professor**						
2	Date of Birth	07/08/1991						
3	Unique ID	1-7392849073						
4	Education Qualifications	Master of Engineering (Computer Science and Engineering)						
5	Work Experience	Teaching	10	Research	--	Industry	--	others	-
6	Area of Specialization	Database Management, Data Mining						

7	Courses (Subjects) taught	Under Graduate	Big Data Analytics,Database Management Systems Computer Organization and Architecture,Analog and Digital Electronics, Distributed Database Management Systems,Data Warehousing and Data Mining,E-Commerce,Computer Architecture and Organization , Electronic Devices and Circuits,Communication Engineering Computer Programming,Visual C++,Object-Oriented Programming Unified Modeling Language
		Post Graduate	--

8	Research guidance (Number of Students)	No. of Papers Published in	National	--	International Journals	--	Conferences	--
		Masters Degree	Completed	--	Ongoing	--		
		Ph.D.	Completed	--	Ongoing	--		

9	Projects Carried out	--

10	Patents	Filled	--	Granted		--

11	Technology Transfer	

12	Research Publications (No. of papers published in)	National	--	International Journal	03	Conferences	01

13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--

1	Name	**Sagar Damodar Padiya- Assistant Professor**						
2	Date of Birth	07/06/198						
3	Unique ID	1-2376823465						
4	Education Qualifications	M.Tech (I.T.), Ph.D. (CSE) Pursuing						
5	Work Experience	Teaching	12	Research	04	Industry	-	others	-
6	Area of Specialization	Wireless Network, Network Protocol Design						

7	Courses (Subjects) taught	Under Graduate	Computer Programming (C, C++) Discrete Structure & Graph Theory Communication Engineering E-Commerce Web- Commerce Real Time embedded System
		Post Graduate	-

8	Research guidance (Number of Students)	No. of Papers Published in	National	-	International Journals	03	Conferences	-
		Masters Degree	Completed	-	Ongoing	-		
		Ph.D.	Completed	-	Ongoing	-		

9	Projects Carried out	Design and Development of Featherweight Eddystone Protocol for BLE Beacon			
10	Patents	Filled	01	Granted	NIL
11	Technology Transfer	NIL			

12	Research Publications (No. of papers published in)	National	-	International Journal	07	Conferences	03

13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	01 Chapter 10: Analysis of Bluetooth Versions (4.0, 4.2, 5, 5.1, and 5.2) for IoT Applications (pages 153-178) in the Implementing Data Analytics and Architectures for Next Generation Wireless Communications, IGI Global, ISBN13: 9781799869887, 2021.

1	Name	**Sumit Sanjay Muddalkar – Assistant Professor**							
2	Date of Birth	21-08-1989							
3	Unique ID	1-7419115038							
4	Education Qualifications	MTECH in Computer Science and Engineering							
5	Work Experience	Teaching	6yrs	Research	-	Industry	3.9 Yr.	others	-
6	Area of Specialization	Cloud Computing, Operating System, Data Science							
7	Courses (Subjects) taught	Under Graduate	Computer Programming, Discrete Structure, Operating System, Theory of Computation, Web Technology, Introduction to Computer Networks, Ecommerce, Unix Laboratory, HTML Laboratory, Content Management System Using Joomla Laboratory						
		Post Graduate	-						
8	Research guidance (Number of Students)	No. of Papers Published in	National	-	International Journals	-	Conferences		-
		Masters Degree	Completed	-	Ongoing	-			
		Ph.D.	Completed	-	Ongoing	-			
9	Projects Carried out	Android Application for Auto-Lounge, Pune & Web Application for Beyond Temptations, Pune							
10	Patents	Filled	-	Granted	-				
11	Technology Transfer	Hands-on workshop on Talend ETL Tool for students.							
12	Research Publications (No. of papers published in)	National	-	International Journal	03	Conferences	-		
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-							

1	Name	**Pallavi Bute - Assisatnt Professor**							
2	Date of Birth	20/05/1988							
3	Unique ID	1-3359301266							
4	Education Qualifications	Master of Engineering							
5	Work Experience	Teaching	10	Research	--	Industry	--	others	--
6	Area of Specialization	Computer Science & Engineering							
7	Courses (Subjects) taught	Under Graduate	ALP,ICN, NAS,DAA,OS						
		Post Graduate	-						
8	Research guidance (Number of Students)	No. of Papers Published in	National	-	International Journals	1	Conferences		
		Masters Degree	Completed	-	Ongoing	-			
		Ph.D.	Completed	-	Ongoing	-			
9	Projects Carried out								
10	Patents	Filled	-	Granted	-				
11	Technology Transfer								
12	Research Publications (No. of papers published in)	National	-	International Journal	-	Conferences	2		
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication,etc.)	–							

1	Name	**Shaila Nilesh Khanderao - Assistant Professor**						
2	Date of Birth	26th June 1989						
3	Unique ID	1-38081534711						
4	Education Qualifications	M.E, B.E.						
5	Work Experience	Teaching	09	Research	--	Industry	--	others	--
6	Area of Specialization	Data Structure, Design and Analysis og algorithm, Operating System, Front and Development with Angular and React JS						
7	Courses (Subjects) taught	Under Graduate	Data Structure, Design and Analysis of Algorithm, Operating Systems, Data Base Management System, Compiler Design, Computer Network, Artificial Intelligence, Mobile Computing					
		Post Graduate	---					
8	Research guidance (Number of Students)	No. of Papers Published in	National	---	International Journals	--	Conferences	--
		Masters Degree	Completed	---	Ongoing	---		
		Ph.D.	Completed	---	Ongoing	---		
9	Projects Carried out	---						
10	Patents	Filled	---	Granted	---			
11	Technology Transfer							
12	Research Publications (No. of papers published in)	National	--	International Journal	03	Conferences	02
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	---						

1	Name	**Pratik Gopal Angaitkar - Assistant Professor**							
2	Date of Birth	19th May 1987							
3	Unique ID	1-43604623421							
4	Education Qualifications	M.E, B.E.							
5	Work Experience	Teaching	01	Research	--	Industry	--	others	--
6	Area of Specialization	Machine Learning, Deep Learning, Bioinformatics, Feature Selection							
7	Courses (Subjects) taught	Under Graduate	--						
		Post Graduate	---						
8	Research guidance (Number of Students)	No. of Papers Published in	National	---	International Journals	--	Conferences	--	
		Masters Degree	Completed	---	Ongoing	---			
		Ph.D.	Completed	---	Ongoing	---			
9	Projects Carried out	---							
10	Patents	Filled	---	Granted	---				
11	Technology Transfer								
12	Research Publications (No. of papers published in)	National	--	International Journal	--		Conferences	--	
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	---							

1	Name	**Nayana Narayan Ghuikar - Assistant Professor**							
2	Date of Birth	19th May 1987							
3	Unique ID	1-43607114615							
4	Education Qualifications	M.E, B.E.							
5	Work Experience	Teaching	3.5	Research	--	Industry	--	others	--
6	Area of Specialization	Programming and Software Testing							
7	Courses (Subjects) taught	Under Graduate	Computer Programming, Operating System, Data Structure						
		Post Graduate	---						
8	Research guidance (Number of Students)	No. of Papers Published in	National	---	International Journals	--	Conferences	--	
		Masters Degree	Completed	---	Ongoing	---			
		Ph.D.	Completed	---	Ongoing	---			
9	Projects Carried out	---							
10	Patents	Filled	---	Granted	---				
11	Technology Transfer								
12	Research Publications (No. of papers published in)	National	--	International Journal	--	Conferences	--		
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	---							

Department of Applied Sciences & Humanities (First Year)

1	Name	**Dr. Anand Shriram Tale – HOD & Associate Professor**						
2	Date of Birth	21/12/1985						
3	Unique ID	1-7398363804						
4	Education Qualifications	M.Sc,Ph.D						
5	Work Experience	Teaching	14	Research	--	Industry	--	others	--
6	Area of Specialization	Solid State Physics						
7	Courses (Subjects) taught	Under Graduate	Engineering Physics					
		Post Graduate	--					
8	Research guidance (Number of Students)	No. of Papers Published in	National	--	International Journals	--	Conferences	--
		Masters Degree	Completed	--	Ongoing	--		
		Ph.D.	Completed	--	Ongoing	--		
9	Projects Carried out							
10	Patents	Filled	01	Granted	--			
11	Technology Transfer							
12	Research Publications (No. of papers published in)	National	10	International Journal	--	Conferences		
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--						

1	Name	**Dr.Narhari Ambadas Patil - Professor**						
2	Date of Birth	30-06-1963						
3	Unique ID	1-425753701						
4	Education Qualifications	M.Sc.,M.Phil., Ph.D.						
5	Work Experience	Teaching	38	Research	20	Industry	Nil	others	13
6	Area of Specialization	Integral Transform, Differential Equations, Partial Differential Equations, Fourier, Laplace, Wavelet Transform & its applications in Engineering						
7	Courses (Subjects) taught	Under Graduate	35					
		Post Graduate	04					
8	Research guidance (Number of Students)	No. of Papers Published in	National	03	International Journals	20	Conferences	30
		Masters Degree	Completed	Nil		Ongoing	Nil	
		Ph.D.	Completed	03		Ongoing	01	
9	Projects Carried out	Nil						
10	Patents	Filled	Nil	Granted	Nil			
11	Technology Transfer	Nil						
12	Research Publications (No. of papers published in)	National	03	International Journal	20	Conferences	41	
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	1 Patil N. A. (1995-2010) Engineering Mathematics-I, Published by Principal, SSGMCE, Publication, Shegaon. This book has been included in the list of text books recommended in the syllabus of B.E. / B.Tech. / B.Text. / Chemical Engineering courses by SGB Amravati University, Amravati Vide its Gazette Notification No. 106/2001 DATED9.11.2001. 2. Patil N. A. (1995-2010) Engineering Mathematics-II, Published by Principal, SSGMCE, Publication, Shegaon. This book has been included in the list of text books recommended in the syllabus of B.E. / B.Tech. / B.Text. / Chemical Engineering courses by SGB Amravati University, Amravati Vide its Gazette Notification No. 106/2001 DATED 9.11.2001. 3.Patil N. A., &Yenkar S. V. (1996-2000), Engineering Mathematics-III, Published by Principal, SSGMCE, Publication, Shegaon.						

1	Name	**Anil VasantraoPatil – Associate Professor & Registrar**						
2	Date of Birth	09/09/1968						
3	Unique ID	1-425739421						
4	Education Qualifications	M.Sc. M. Phil, P.G.D.I.P.M						
5	Work Experience	Teaching	29	Research	2	Industry	1	others	0
6	Area of Specialization	Organic Chemistry, Environmental Chemistry						

7	Courses (Subjects) taught	Under Graduate	Engineering Chemistry, Applied Chemistry, Environmental Science					
		Post Graduate	---					

8	Research guidance (Number of Students)	No. of Papers Published in	National	---	International Journals	---	Conferences	---
		Masters Degree	Completed	---	Ongoing	---		
		Ph.D.	Completed	---	Ongoing	---		

9	Projects Carried out	---				
10	Patents	Filled	---	Granted	---	
11	Technology Transfer	---				
12	Research Publications (No. of papers published in)	National	1	International Journal	---	Conferences	02
13	No. of Books published with details	---				

1	Name	Dr. Rajesh Mahadeorao Kharate – Associate Professor							
2	Date of Birth	24/08/1973							
3	Unique ID	1-425753859							
4	Education Qualifications	Ph.D. B.Ed. M.Sc.							
5	Work Experience	Teaching	17	Research	08	Industry	Nil	others	BOS
6	Area of Specialization	Synthetic Organic Chemistry ,Polymers ,Environmental Chemistry							
7	Courses (Subjects) taught	Under Graduate	03						
		Post Graduate	00						
8	Research guidance (Number of Students)	No. of Papers Published in	National	05	International Journals	03	Conferences		03
		Masters Degree	Completed	Nil	Ongoing	Nil			
		Ph.D.	Completed	00	Ongoing	00			
9	Projects Carried out	Nil							
10	Patents	Filled	Nil	Granted	Nil				
11	Technology Transfer	Nil							
12	Research Publications (No. of papers published in)	National	03	International Journal	05	Conferences		03	
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	A Text Book of Engineering ChemistryDnyanpathPublication, Amravati First Edition: 14th Feb.2016							

1	Name	**Mr. Prashant Ishwar Chaure – Associate Professor**							
2	Date of Birth	17th October 1973							
3	Unique ID	1-425521425							
4	Education Qualifications	B.E.(Civil), M.E.							
5	Work Experience	Teaching	17	Research	--	Industry	25	others	--
6	Area of Specialization	Structural Designing, Waste water Treatment, Environmental Engineering							
7	Courses (Subjects) taught	Under Graduate	Mechanics, Engineering Drawing, Fluid Mechanics						
		Post Graduate	Nil						
8	Research guidance (Number of Students)	No. of Papers Published in	National	--	International Journals	--	Conferences		--
		Masters Degree	Completed	--	Ongoing	--			
		Ph.D.	Completed	--	Ongoing	--			
9	Projects Carried out	Smart stick for blind people.							
10	Patents	Filled	1	Granted	Nil				
11	Technology Transfer	Nil							
12	Research Publications (No. of papers published in)	National	4	International Journal	2		Conferences	Nil	
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	Nil							

1	Name	**N.S.Thakare – Assistant Professor**							
2	Date of Birth	14/10/1971							
3	Unique ID	1-425753709							
4	Education Qualifications	M.Sc,B.Ed,M.Phil.							
5	Work Experience	Teaching	25	Research	--	Industry	--	others	--
6	Area of Specialization	Integral Transform							

7	Courses (Subjects) taught	Under Graduate	M-I,M-II,M-III,M-IV,NMOT,ORM,OT,NMORT		
		Post Graduate	--		

8	Research guidance (Number of Students)	No. of Papers Published in	National	--	International Journals	--	Conferences	--
		Masters Degree	Completed	--	Ongoing	--		
		Ph.D.	Completed	--	Ongoing	--		

9	Projects Carried out	In NSS.				
10	Patents	Filled	--	Granted	--	
11	Technology Transfer	Rural Development Related.				
12	Research Publications (No. of papers published in)	National	--	International Journal	--	Conferences	01
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--				

1	Name	**Anil Shamrao Alane – Assistant Professor**						
2	Date of Birth	19/07/1979						
3	Unique ID	1-425753767						
4	Education Qualifications	M.Sc. B.Ed						
5	Work Experience	Teaching	15	Research		Industry	--	others	0
6	Area of Specialization	Organic Chemistry, Environmental Chemistry						
7	Courses (Subjects) taught	Under Graduate	Engineering Chemistry, Environmental Studies					
		Post Graduate	---					
8	Research guidance (Number of Students)	No. of Papers Published in	National	---	International Journals	---	Conferences	---
		Masters Degree	Completed	---	Ongoing	---		
		Ph.D.	Completed	---	Ongoing	---		
9	Projects Carried out	---						
10	Patents	Filled	---	Granted	---			
11	Technology Transfer	---						
12	Research Publications (No. of papers published in)	National	--	International Journal	---	Conferences	02	
13	No. of Books published with details	---						

1	Name	**Prof.HarshaliS.Patil – Assistant Professor**						
2	Date of Birth	09-09-1983						
3	Unique ID	1-426010049						
4	Education Qualifications	B.Sc, B.Ed, M.A.(English Lit), P.G.Diploma in English Communication Skills, M.B.A.						
5	Work Experience	Teaching	14 Yrs	Research	--	Industry	02 Yrs.	others	--
6	Area of Specialization	English Communication Skills, H. R.,Marketing						
7	Courses (Subjects) taught	Under Graduate	Communication Skills, IMQC, Soft Skills training & Spoken English workshop					
		Post Graduate	----					
8	Research guidance (Number of Students)	No. of Papers Published in	National	---	International Journals	-----	Conferences	--
		Masters Degree	Completed	--	Ongoing			
		Ph.D.	Completed	--	Ongoing			
9	Projects Carried out	--------						
10	Patents	Filled	--	Granted	--			
11	Technology Transfer	---------						
12	Research Publications (No. of papers published in)	National	--	International Journal	--	Conferences	--	
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-------------						

1	Name	**Kanchan Prakash Deshmukh – Assistant Professor**						
2	Date of Birth	19/09/1985						
3	Unique ID	1-698260803						
4	Education Qualifications	M.Sc. B.Ed.						
5	Work Experience	Teaching	13	Research	--	Industry	--	others	--
6	Area of Specialization	Pure Mathematics , Applied Mathematics						
7	Courses (Subjects) taught	Under Graduate	Engineering Mathematics-I,II,III Numerical methods and Operation Research Techniques					
		Post Graduate	---					
8	Research guidance (Number of Students)	No. of Papers Published in	National	---	International Journals	---	Conferences	--
		Masters Degree	Completed	---	Ongoing	---		
		Ph.D.	Completed	---	Ongoing	---		
9	Projects Carried out	---						
10	Patents	Filled	---	Granted	---			
11	Technology Transfer	---						
12	Research Publications (No. of papers published in)	National	--	International Journal	---	Conferences	--	
13	No. of Books published with details	---						

1	Name	**Bhagat Sachin Vasant – Assistant Professor**							
2	Date of Birth	30/0/1985							
3	Unique ID	1-2188734219							
4	Education Qualifications	M.A., M. Phil, UGC-NET, Diploma in Mass Media							
5	Work Experience	Teaching	11 Yrs.	Research	02	Industry	-	others	-
6	Area of Specialization	English Language, Communication Skills, Soft Skills							

7	Courses (Subjects) taught	Under Graduate	Communication Skills, Social Science and Engineering Economics, Professional Ethics			
		Post Graduate	-			

8	Research guidance (Number of Students)	No. of Papers Published in	National	-	International Journals	-	Conferences	-
		Masters Degree	Completed	-	Ongoing	-		
		Ph.D.	Completed	-	Ongoing	-		

9	Projects Carried out	-				

10	Patents	Filled	-	Granted	-

11	Technology Transfer	-					

12	Research Publications (No. of papers published in)	National	--	International Journal	--	Conferences	--

13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

1	Name	**RutikaRaut -– Assistant Professor**							
2	Date of Birth	05/03/1996							
3	Unique ID	1-4459733609							
4	Education Qualifications	M.Sc Physics							
5	Work Experience	Teaching	4 Yrs.	Research	--	Industry	--	others	02 Yrs.
6	Area of Specialization	None							
7	Courses (Subjects) taught	Under Graduate	Engineering Physics (1A2)						
		Post Graduate	--						
8	Research guidance (Number of Students)	No. of Papers Published in	National	Nill	International Journals	Nill	Conferences		Nill
		Masters Degree	Completed	Nill	Ongoing				Nill
		Ph.D.	Completed	Nill	Ongoing				Nill
9	Projects Carried out	Fabrication of Power Suplies& Synthesis of Luminisce Sample							
10	Patents	Filled	Nill	Granted		Nill			
11	Technology Transfer	--							
12	Research Publications (No. of papers published in)	National	Nill	International Journal	Nill	Conferences			Nill
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	Nill							

1	Name	Dr. Mrs. Manisha Sandeep Pande – Assistant Professor						
2	Date of Birth	03/10/1982						
3	Unique ID	1-3599702359						
4	Education Qualifications	M.Sc.(Physics), B.Ed., Ph.D.						
5	Work Experience	Teaching	15	Research	05	Industry	--	others	-
6	Area of Specialization	Solid State Physics, X-Rays						
7	Courses (Subjects) taught	Under Graduate	Physics					
		Post Graduate	--					
8	Research guidance (Number of Students)	No. of Papers Published in	National	--	International Journals	--	Conferences	--
		Masters Degree	Completed	--	Ongoing	--		
		Ph.D.	Completed	--	Ongoing	--		
9	Projects Carried out							
10	Patents	Filled	--	Granted	--			
11	Technology Transfer							
12	Research Publications (No. of papers published in)	National	02	International Journal	03	Conferences	06	
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)							

1	Name	**Gunwant Laxman Bayaskar – Associate Professor**						
2	Date of Birth	28/09/1967						
3	Unique ID	1-421854919						
4	Education Qualifications	M.A. Mped						
5	Work Experience	Teaching	30	Research	-	Industry	-	others	-
6	Area of Specialization	Coaching in Basket Ball / Hand Ball						
7	Courses (Subjects) taught	Under Graduate	All Indoor &Out door sports.					
		Post Graduate	All Indoor &Out door sports.					
8	Research guidance (Number of Students)	No. of Papers Published in	National	-	International Journals	-	Conferences	-
		Masters Degree	Completed	-	Ongoing		-	
		Ph.D.	Completed	-	Ongoing		-	
9	Projects Carried out	-						
10	Patents	Filled	-	Granted	-			
11	Technology Transfer	-						
12	Research Publications (No. of papers published in)	National	-	International Journal	-	Conferences	-	
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-						

1	Name	**Mr. Rahul Vijay Pahurkar – Assistant Professor**						
2	Date of Birth	07-04-1983						
3	Unique ID	1-7398363883						
4	Education Qualifications	M.A. Mped						
5	Work Experience	Teaching	--	Research	-	Industry	-	others	-
6	Area of Specialization	Coaching in Basket Ball / Hand Ball						
7	Courses (Subjects) taught	Under Graduate	All Indoor &Out door sports.					
		Post Graduate	All Indoor &Out door sports.					
8	Research guidance (Number of Students)	No. of Papers Published in	National	-	International Journals	-	Conferences	-
		Masters Degree	Completed	-	Ongoing		-	
		Ph.D.	Completed	-	Ongoing		-	
9	Projects Carried out	-						
10	Patents	Filled	-	Granted	-			
11	Technology Transfer	-						
12	Research Publications (No. of papers published in)	National	-	International Journal	-	Conferences	-	
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-						

1	Name	**DarshanPrabhakarraoTarale – Assistant Professor**							
2	Date of Birth	22/10/1974							
3	Unique ID								
4	Education Qualifications	M.C.A.							
5	Work Experience	Teaching	5	Research	--	Industry	--	others	15
6	Area of Specialization	ERP (ENTERPRISE RESOURCE PLANNING)							

7	Courses (Subjects) taught	Under Graduate	--
		Post Graduate	SYSTEM SOFTWARE,JAVA,FILE STRUCTURE,OS DESIGN

8	Research guidance (Number of Students)	No. of Papers Published in	National	--	International Journals	--	Conferences	--
		Masters Degree	Completed	--	Ongoing	--		
		Ph.D.	Completed	--	Ongoing	--		

9	Projects Carried out	SAP ERP project for charitable trust Shri Sant Gajanan Maharaj Temple, Shegaon SAP ERP ROLL OUT PROJECT FOR CHARITABLE TRUST SAP ERP project for SSGMCE SHEGAON SAP ERP project for GAJANAN MAHARAJ ENGLISH SCHOOL SAP ERP PROJECT for STUDENT CONSUMER COOPERATIVE STORE STUDENT INFORMATION SYSTEM for SSGMCE

10	Patents	Filled	--	Granted	--
11	Technology Transfer				

12	Research Publications (No. of papers published in)	National	--	International Journal	--	Conferences	--

13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--

1	Name	**Sandip Diwakar Phuse – Assistant Professor**							
2	Date of Birth	02/09/1971							
3	Unique ID								
4	Education Qualifications	M.C.A.							
5	Work Experience	Teaching	5	Research	--	Industry	--	others	15
6	Area of Specialization	ERP (ENTERPRISE RESOURCE PLANNING)							

7	Courses (Subjects) taught	Under Graduate				
		Post Graduate	SYSTEM SOFTWARE,C Language, C++ Language,FILE STRUCTURE, Compiler Design,			

8	Research guidance (Number of Students)	No. of Papers Published in	National	--	International Journals	--	Conferences	--
		Masters Degree	Completed	--	Ongoing	--		
		Ph.D.	Completed	--	Ongoing	--		

9	Projects Carried out	SAP ERP project for charitable trust Shri Sant Gajanan Maharaj Temple, Shegaon SAP ERP ROLL OUT PROJECT FOR CHARITABLE TRUST SAP ERP project for SSGMCE SHEGAON SAP ERP project for GAJANAN MAHARAJ ENGLISH SCHOOL SAP ERP PROJECT for STUDENT CONSUMER COOPERATIVE STORE STUDENT INFORMATION SYSTEM for SSGMCE

10	Patents	Filled	--	Granted	--

11	Technology Transfer	

12	Research Publications (No. of papers published in)	National	--	International Journal	--	Conferences	--

13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	

1	Name	**Dr. Jayashree S. Gawande – Assistant Professor**							
2	Date of Birth	28/05/1986							
3	Unique ID	1-44497976574							
4	Education Qualifications	M.Sc.(Mathamatics), Ph.D. (Mathamatics)							
5	Work Experience	Teaching	9 Yrs.	Research	--	Industry	--	others	---
6	Area of Specialization	Diffetrntial Equations, Numerical Methods, Partial Diffetrntial Equations, Integral Transforms.							

7	Courses (Subjects) taught	Under Graduate	Engineering Mathematics I, II, III, VI Combinatorial Tehroy
		Post Graduate	--

8	Research guidance (Number of Students)	No. of Papers Published in	National	--	International Journals	Nill	Conferences	Nill
		Masters Degree	Completed	-	Ongoing	Nill		
		Ph.D.	Completed	--	Ongoing	Nill		

9	Projects Carried out	Fabrication of Power Suplies& Synthesis of Luminisce Sample			
10	Patents	Filled	Nill	Granted	Nill
11	Technology Transfer	--			

12	Research Publications (No. of papers published in)	National	Nill	International Journal	Nill	Conferences	Nill
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	Nill					

Department of M.B.A.

1	Name	**Dr. Pavan Mahadeo Kuchar – HOD & Assistant Professor**						
2	Date of Birth	27-12-1983						
3	Unique ID	1-423118306						
4	Education Qualifications	B. Pharmacy, MBA, UGC-NET, Ph.D.						
5	Work Experience	Teaching	12.5	Research	12.5	Industry	10 Mon.	others	--
6	Area of Specialization	Marketing, Strategic Management						

7	Courses (Subjects) taught	Under Graduate	Industrial Management and Quality Control (IMQC); BE-EXTC-Sem 4,Principles of Management (POM); BE-IT-Sem 6 Principles of e-Marketing for Engineering (PEME) BE-Open Elective-Sem 5; Healthcare and Hospitality Management (HCHM) – BBA Sem 3
		Post Graduate	Principles and Practices of Management - MBA/101 Computer Applications in Management – MBA/107 (Discontinued) Logistics Management – MBA/207 Indian Financial System – MBA3101/F International Marketing Strategy – MBA/3201/M Sales and Distribution Management – MBA/3202/M Brand Management – MBA/3205/M Performance Management – MBA/3306/H Strategic Management – MBA/401 Sales Promotion Management – MBA/4201/SM Marketing of Services – MBA/4202/SM Marketing of Social Services – MBA Sem 4 (Discontinued) International HRM – MBA/4306/OB

8	Research guidance (Number of Students)	No. of Papers Published in	National	--	International Journals	--	Conferences	--
		Masters Degree	Completed	72	Ongoing	08		
		Ph.D.	Completed	--	Ongoing	--		

9	Projects Carried out	--			
10	Patents	Filled	--	Granted	--
11	Technology Transfer	--			
12	Research Publications (No. of papers published in)	National	01	International Journal	09	Conferences	18
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	---					

1	Name	**Dr. H. M. Jha "Bidyarthi" - Professor**						
2	Date of Birth	13th December 1957						
3	Unique ID	1-424042596						
4	Education Qualifications	Ph.D., M.B.A., I.D.D. (D. H.)						
5	Work Experience	Teaching	38 Yrs.	Research	28 Yrs.	Industry	05 Yrs.	others	NA
6	Area of Specialization	Marketing and Finance						
7	Courses (Subjects) taught	Under Graduate	Industrial Management and Quality Control					
		Post Graduate	Managerial Skills Development, Accounting for Managers, Finance Management, Business Environment, Organizational Behavior for Change, Security Analysis and Portfolio Management, Financial Derivatives, Agro Business Marketing, Marketing Research, Foreign Exchange Market, Insurance Management, Strategic Management					
8	Research guidance (Number of Students)	No. of Papers Published in	National	13	International Journals	13	Conferences	23
		Masters Degree	Completed	280	Ongoing	08		
		Ph.D.	Completed	11	Ongoing	Nil		
9	Projects Carried out	Two Projects under RPS Scheme of AICTE, New Delhi						
10	Patents	Filled	Nil	Granted	Nil			
11	Technology Transfer	NA						
12	Research Publications (No. of papers published in)	National	13	International ournal	13	Conferences	23	
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	Nil						

1	Name	**Dr. Laxmikant Baburao Deshmukh – Associate Professor**						
2	Date of Birth	31/08/1976						
3	Unique ID	1-425658663						
4	Education Qualifications	BE (Mech), MBA(Marketing), PhD(Business Management) V-SAT (Softwar						
5	Work Experience	Teaching	18 yrs	Research	12 Yrs	Industry	3 Yrs	others
6	Area of Specialization	Marketing Management and Production Operations Management						

7	Courses (Subjects) taught	Under Graduate	B.E.(EXTC), B. Sc (Mechanical Engineering) & BBA Business Statistics, Sales and Distribution Management, Marketing Management, Instrumentation, Industrial Management and Quality Control etc.
		Post Graduate	MM, QM, POM, ME, MIS, RM, LM, SDM, AM, CB,RTM, IMQC, TM, HBAW, HRD

8	Research guidance (Number of Students)	No. of Papers Published in	National	11	International Journals	03	Conferences	10
		Masters Degree	Completed	163	Ongoing	08		
		Ph.D.	Completed	Nil	Ongoing	Nil		

9	Projects Carried out	Nil			
10	Patents	Filled	Nil	Granted	Nil
11	Technology Transfer	Nil			

12	Research Publications (No. of papers published in)	National	11	International Journal	3	Conferences	10

13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	Innovation Management; In Pipe line by Bloomsbury Publishing House Will be published by Apr 2022

1	Name	**Dr. Mayur Anil Dande – Assistant Professor**						
2	Date of Birth	22 August 1984						
3	Unique ID	1-423118310						
4	Education Qualifications	B.Sc., M.B.A., UGC- NET, Ph.D.						
5	Work Experience	Teaching	12	Research	12	Industry	0	others	0
6	Area of Specialization	Marketing						

7	Courses (Subjects) taught	Under Graduate	Marketing Management, Values and Ethics
		Post Graduate	Business Ethics, Marketing Management, Consumer Behavior, Brand Management, Advertising Management, Sales Promotion, Strategic Marketing for Non profit Organizations and Social Services, Management of financial services

8	Research guidance (Number of Students)	No. of Papers Published in	National	00	International Journals	00	Conferences	04
		Masters Degree	Completed	72	Ongoing	08		
		Ph.D.	Completed	00	Ongoing	00		

9	Projects Carried out	72 projects related to areas like Consumer Behavior, Brand Management, Advertising, Marketing, Financial Services etc.			
10	Patents	Filled	00	Granted	00
11	Technology Transfer	Nil			
12	Research Publications (No. of papers published in)	National	01	International Journal	09	Conferences	21
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	Nil			

1	Name	**Dr. Satya Mohan Mishra – Assistant Professor**						
2	Date of Birth	01/03/1985						
3	Unique ID	1-424042464						
4	Education Qualifications	Ph.D.; MBA(PGDM)						
5	Work Experience	Teaching	12	Research	10	Industry	0	others	0
6	Area of Specialization	Finance, Banking & Economics						
7	Courses (Subjects) taught	Under Graduate	Principles of Economics; Management Accounting; Indian Economy					
		Post Graduate	Managerial Economics; Financial Management; Banking System; Investment Science; Compensation Management; Security Analysis & Portfolio Management; Financial Derivatives					
8	Research guidance (Number of Students)	No. of Papers Published in	National	0	International Journals	0	Conferences	1
		Masters Degree	Completed	75	Ongoing	8		
		Ph.D.	Completed	NA	Ongoing	NA		
9	Projects Carried out	Nil						
10	Patents	Filled	Nil	Granted				Nil
11	Technology Transfer	Nil						
12	Research Publications (No. of papers published in)	National	2	International Journal	3	Conferences		--
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	Nil						

1	Name	Dr. Wechansing Zyamsing Suliya – Assistant Professor						
2	Date of Birth	15-03-1986						
3	Unique ID	1-1435368830						
4	Education Qualifications	B.sc (Microbiology),MBA(Human Resource Management and Production Ma...						
5	Work Experience	Teaching	10	Research	10	Industry	1	others	-
6	Area of Specialization	Human Resource Management and Production Management						

7	Courses (Subjects) taught	Under Graduate	_					
		Post Graduate	Organizational Behavior and Effectiveness, Human Resource Management, Management of Industrial relations, Human Relations and Legal framework, International Marketing, Rural Marketing, Knowledge Management, Corporate Leadership Management.					

8	Research guidance (Number of Students)	No. of Papers Published in	National	-	International Journals	-	Conferences	-
		Masters Degree	Completed	80	Ongoing	8		
		Ph.D.	Completed	-	Ongoing	-		

9	Projects Carried out	1. Designing and fabrication of compressed concrete Bricks making machine (Working on Mechanical Engineering Project)-Project completed testing is in process. 2. Designing automated poultry chick hatching machine (Working on Electronics Engineering Project) -Project completed testing is in process.			
10	Patents	Filled	2 in Process	Granted	-
11	Technology Transfer	-			
12	Research Publications (No. of papers published in)	National	-	International Journal	-	Conferences	4
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication,etc.)	-			

1	Name	**VISHAL VINAYAKRAO PATIL – Assistant Professor**						
2	Date of Birth	02-01-1980						
3	Unique ID	1-7393461729						
4	Education Qualifications	LL.B, M.B.A.(FIN), DSK&PD, M.A.(Eco), Ph.D. (Pursuing)						
5	Work Experience	Teaching	12	Research	0	Industry	0	others	4
6	Area of Specialization	Law, Finance and Human Resource Management						

7	Courses (Subjects) taught	Under Graduate	Business Legislation, Company Account, Advance Account
		Post Graduate	• Business Law• Management Science •Accounting of Mangers • Organizational Development & Intervention Strategies • Management of Financial Services • Financial Decision Analysis • Human Resources Development • Risk Management • Working Capital Management

8	Research guidance (Number of Students)	No. of Papers Published in	National	0	International Journals	2	Conferences	0
		Masters Degree	Completed	49	Ongoing	8		
		Ph.D.	Completed	NA	Ongoing	NA		

9	Projects Carried out	-NIL-			
10	Patents	Filled	-NIL-	Granted	-NIL-
11	Technology Transfer	-NIL-			

12	Research Publications (No. of papers published in)	National	1	International Journal	4	Conferences	4

13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	Human Resource Management (Sai Jyoti Publication) ISBN No. 978-93-81432-41-9

1	Name	**Dr. Bilal Husain – Assistant Professor**								
2	Date of Birth	31-10-1992								
3	Unique ID	1-9312315964								
4	Education Qualifications	PhD persuing, MMS -Finance, BTech -Extc								
5	Work Experience	Teaching	2	Research	1	Industry	2	others		
6	Area of Specialization	Finance								
7	Courses (Subjects) taught	Under Graduate	Principles of Management							
		Post Graduate	Security Analysis and Portfolio Management, Project Management, Principles and practices of Management, Management of Information systems, Research Methodology, Management of Training and Development, Investment Science, International Financial Management, Strategic Management							
8	Research guidance (Number of Students)	No. of Papers Published in	National	-	International Journals	-	Conferences	1		
		Masters Degree	Completed	10	Ongoing	8				
		Ph.D.	Completed	-	Ongoing	-				
9	Projects Carried out	-								
10	Patents	Filled	-	Granted			-			
11	Technology Transfer	-								
12	Research Publications (No. of papers published in)	National	1	International Journal	1	Conferences	2			
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-								

1	Name	**Adesh B. Solanke – Assistant Professor**							
2	Date of Birth	01-02-1979							
3	Unique ID	1-43724200431							
4	Education Qualifications	B.E., M.Tech							
5	Work Experience	Teaching	14	Research	0	Industry	0	others	0
6	Area of Specialization	Human Resource of Development and Management (HRDM)							
7	Courses (Subjects) taught	Under Graduate	--						
		Post Graduate	Organization Behaviour, Human Resource Management, Research Methodology and Data Analysis						
8	Research guidance (Number of Students)	No. of Papers Published in	National	0	International Journals	2	Conferences	0	
		Masters Degree	Completed	Yes	Ongoing	0			
		Ph.D.	Completed	NA	Ongoing	NA			
9	Projects Carried out	-NIL-							
10	Patents	Filled	-NIL-	Granted	-NIL-				
11	Technology Transfer	-NIL-							
12	Research Publications (No. of papers published in)	National	0	International Journal	0	Conferences	0		
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	--							

18.9 Fee

i. No. of Fee waivers granted with amount and name of students

Sn	Name of the Students	Year/Branch	Fee Wavers granted with Amount
College Fees			
1	KU. AAKANSHA NARENDRA NARWADE	3M	Rs.53,238/-
2	PRASAD ANIL TELKAR	3U	Rs.53,238/-
3	SEJAL GOPAL GANESH	4U	Rs. 61,623/-
4	GAJANAN PRAMOD DINDOKAR	3M	Rs. 53,062/-
		Total A)	Rs. 2,21,161/-
Hostel and Mess Fees			
1	VEDANT NANDKISHOR PUROHIT	2N	41000.00
2	CHETAN ASHOKRAO AMBALKAR	3S	41000.00
3	SAYALI VIJAY KATOLE	3U1	41000.00
4	UNNATI KIRANRAO KHARATE	3U1	41000.00
5	PAWAN DAULATRAO LAKKAS	2R	41000.00
6	KU MAYURI JANRAO MAHALE	2U2	41000.00
7	KUNDAN RAMESH NIMBOLKAR	2S	41000.00
8	KU DNAYANESHWARI CHATARKAR	3R	41000.00
9	KU SANJANA MANOJ DHOPTE	4R	41000.00
10	ANURAG BIYANI	2U1	41000.00
11	RUTUJA RAMESH SAWAI	1N	41000.00
12	SHITAL SANJAY TAKALKAR	2S	41000.00
13	MONIKA KISHORRAO GHAWAT	MBA-I	41000.00
14	GAURAV SANJAY ADHAV	3U2	41000.00
15	SARALA VIJAY PARSKAR	3U2	41000.00
16	PRASAD ANIL TELKAR	3U2	41000.00
17	AKANSHA NARENDRA NARWADE	3M	41000.00
18	CHANDRAKANT JANARDHAN GAWALI	3R	41000.00
19	KUNAL TRYAMBAK BHENDE	2R	16000.00
20	HARSH SHLIKRAO SONTAKKE	3S	16000.00
21	ISHWAR RAJESH SHARMA	2N	25000.00
22	SHANKAR PRALHAD BONDRE	2S	25000.00
		Total B)	**820000/-**

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Summary Report

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Sn	Scheme	Total Number of Beneficiaries	Total Amount Sanctioned
1	College Fees Wavers	04	Rs. 2,21,161/-
2	Hostel & Mess Wagers	18	738000.00
3	Mess Waivers	2	32000.00
4	Hostel Waivers	2	50000.00
	Total		**1,041,161/-**

Summary of Scholarships and Awards (2022-23)

SN	Type of Scholarship	Number of Beneficiaries	Total Amount in Rs.
1	Merit Scholarship (Hon'ble Shri Shankarkaka Pandit)	190	259918/-
2	Donor's Scholarship	82	165610/-
3	Award to GATE Scorer(Sponsored)*	7	8000/-
4	Best Project Award (Sponsored)*	56	9000/-
5	Fee Concession*	4	2,21,161/-
6	Hostel and Mess Waiver*	18	738000/-
7	Mess Waiver *	2	32000/-
8	Hostel Waiver*	2	50000/-
9	Sports-Awards*	--	--
	Total	**361**	**1,483,689/-**

18.10   Admission

i. **Number of seats sanctioned with the year of approval**

Programmes	Level	Course	No. of Seats Approved 2023-24
Engineering Technology	Under Graduate	Computer Science And Engineering	60
		Electronics and Telecommunication Engineering	120
		Mechanical Engineering	60
		Electrical Engineering (Electronics and Power)	60
		Information Technology	60
	Post Graduate	Electrical Power System	18
		Digital Electronics	18
		Computer Engineering	18
		Advanced Manufacturing and Mechanical System Design	18
Management	Post Graduate	M.B.A.	60

ii.   Number of Students admitted under various categories each year in the last three years

Year	Open	OBC	SC	ST	NT	DTVJ	SBC	TFWS	EWS	PMSSS/ NEUT	Total
B.E. Computer Science and Engineering (UG)											
2021-22	09	37	05	04	05	00	00	03	06	00	69
2022-23	08	39	05	03	04	01	00	03	06	03	72
2023-24	04	42	06	03	03	01	01	03	04	02	69
B.E. Electronics and Telecommunication Engineering (UG)											
2021-22	24	76	10	00	06	02	02	06	12	00	138
2022-23	16	77	09	02	10	02	04	06	12	00	138
2023-24	20	69	13	03	11	02	02	06	12	01	139
B.E. Electrical Engineering (Electronics and Power) (UG)											
2021-22	09	39	05	02	03	01	00	02	05	00	66
2022-23	12	35	06	01	05	01	00	03	06	00	69
2023-24	06	41	07	01	04	00	01	03	05	00	68
B.E. Mechanical Engineering (UG)											
2021-22	15	34	05	00	04	00	01	03	02	00	64
2022-23	07	35	08	00	04	01	03	02	06	00	66
2023-24	08	36	08	01	04	01	02	03	04	00	67
B.E. Information Technology (UG)											
2021-22	13	34	05	03	04	01	00	03	06	00	69
2022-23	14	32	05	02	04	02	01	03	06	00	69
2023-24	11	35	05	02	04	02	01	03	06	01	70
Year	**Open**	**OBC**	**SC**	**ST**	**NT**	**DTVJ**	**SBC**	**TFWS**	**EWS**	**PMSSS/ NEUT**	**Total**
M.E. Eletrical Power System (PG)											
2021-22	02	00	00	00	00	00	00	00	00	00	02
2022-23	03	01	00	00	00	00	00	00	00	00	04
2023-24	01	01	01	00	00	00	00	00	00	00	03
M.E. Digital Electronics (PG)											
2021-22	02	00	00	00	00	00	00	00	00	00	02
2022-23	01	00	00	00	00	00	00	00	00	00	01
2023-24	00	00	00	00	00	00	00	00	00	00	00
M.E. Computer Engineering (PG)											
2021-22	04	02	00	00	00	00	00	00	00	00	06
2022-23	01	00	00	00	00	00	00	00	00	00	01
2023-24	02	01	00	00	00	00	00	00	00	00	03
M.E. Advanced Manufacturing and Mechanical System Design											
2021-22	00	01	00	00	00	00	00	00	00	00	01
2022-23	04	01	00	00	00	00	01	00	00	00	06
2023-24	00	01	00	00	00	00	00	00	00	00	01
M.B.A.											
2021-22	17	28	07	01	05	01	01	03	05	00	68
2022-23	14	28	11	01	04	02	00	03	06	00	69
2023-24	11	34	08	01	04	02	00	03	06	00	69

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

Year	Number of Application Received	Number of Students Admitted
B.E. Engineering		
2021-22	233	72
2022-23	439	72
2023-24	568	72
M.E. Engineering		
2021-22	03	03
2022-23	06	06
2023-24	02	02
M.B.A.		
2021-22	57	12
2022-23	56	12
2023-24	61	12

18.11 Admission Procedure

i. **Mention the admission test being followed, name and address of the Test Agency/State Admission Authorities and its URL (website)**

Name of the Course	Name of Admission Test	Address of the Test Agency	Website
B.E. Engineering	MH CET Enterance	Common Entrance Test Cell, MS, Mumbai	www.mahacet.org
	JEE Main Enterance	National Testing Agency	www.nta.ac.in
M.E. Engineering	GATE Exam	GATE 2024 IISc, Bengaluru	https://gate2024.iisc.ac.in
M.B.A.	MMS CET Common Enterance Test	Common Entrance Test Cell, MS, Mumbai	www.mahacet.org

ii. **Number of seats allotted to different Test Qualified candidate separately (AIEEE//JEE/ CET (State conducted test/ University tests/ CMAT)/ Association conducted test etc.)**

- Admissions to B.E./M.E./M.B.A Courses of the institute are done as per the norms and guidelines of State Comman Entarance Test Cell, Maharashtra State through Centralized Admission Process (CAP). 80% Seats are filled through Centralize Admission Process however 20% Institute Level Seats are filled as per the guidelines given by State Comman Entarance Test Cell, Maharashtra State, and Mumbai. Moreover Over and above PMSSS, Central Govt. Nominee, Tuition Fee Waiver Scheme Seats (TFWS - 5% of Sanctioned Intake per branch) & Economically Weaker Scheme (EWS – 10 % Sanctione Intake per branch) are available at our Institute.

Calendar for admission against Management quota seats

SN	Activity	Date & Timings	
		B.E.	**M.E. / M.B.A.**
1	Last date of Submission of Application Form.	25th July 2023	1st August 2023
2	Display of Provisional Merit List on College Notice Board & Submission of Grievances if any	26th July 2023 at 11.00 am	2nd August 2023 at 11.00 am
3	Display of Final Merit List on College Notice Board / College Website	26th July 2023 at 5.00 pm	2nd August 2023 at 5.00 pm
4	*Confirmation of Admission by Counseling Round.*	27th July 2023 at 1.00 pm.	3rd August 2023 at 1.00 pm

- **Admission Scheduled of State Comman Entarance Test Cell, Maharashtra State, Mumbai**

	Particulars	B.E. 1st Year Admissio	M.B.A.	M.E.
iv.	Last date of request for applications	10th July 2023	19th July 2023	19th July 2023
v.	Last date of submission of applications	11th July 2023	20th July 2023	20th July 2023
vi.	Dates for announcing final results	19th July 2023	27th July 2023	27th July 2023
vii.	Release of admission list	25th July 2023	1st August 2023	1st August 2023
viii.	Date for acceptance by the candidate	28th July 2023	4th August 2023	4th August 2023
ix.	Last date for closing of admission & Starting of the Academic session	25th August 2023 & 7th August 2023	29th August 2023 & 14th August 2023	29th August 2023 & 14th August 2023
x.	The waiting list shall be activated only on the expiry of date of main list	--	--	--
xi	The policy of refund of the Fee, in case of withdrawal, shall be clearly notified	Institute shall refund the entire fees to the candidate after deduction of Rs.1000/-		

18.12 **Criteria and Weightages for Admission**

- **Describe each critewrion 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/AIEEE.

  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/AIEEE.

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/AIEEE.

- **Mention the cut-off levels of percentages and percent ilescore of the candidates in the admission test for the last three years.**

SN	Name of the Course	Cut-Off levels of percentage and percentile score		
		2020-21	**2021-22**	**2022-23**
1	B.E. Computer Science and Engineering	98.45 / 66.04	97.43 / 23.68	98.24 / 51.10
2	B.E. Electronics and Telecomm. Engg.	88.87 / 43.40	91.91 / 10.91	90.89 / 4.23
3	B.E. Electrical Engg. (Electronics and Power)	89.11 / 38.73	88.58 / 21.17	87.79 / 41.18
4	B.E. Mechanical Engineering	89.48 / 29.87	84.00 / 25.27	72.77 / 23.95
5	B.E. Information Technology	94.34 / 67.47	94.47 / 14.51	94.91 / 14.22
6	M.E. Electrical Power System	34.00 / 10.33	14.33	10.00
7	M.E. Digital Electronics	6.00	6.67	11.67
8	M.E. Computer Engineering	20.00 / 5.33	15.05 / 9.67	7.33
9	M.E. Advanced Mnufacturing and Mechanical System Design	51.01 / 5.23	--	18.3 / 10.61
10	MBA	98.74 / 41.00	94.00 / 48.00	102 / 53

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

  AS per Institute Merit List based on CET & JEE Exam Score

18.13 List of Applicants

- **List of candidate whose applications have been received along with percentile/percentages core for each of the qualifying examination in separate categories for open seats. List of candidate who have applied along with percentage and percentile score for Management quota seats (Merit wise)**

As per CET & JEE exam score.

18.14 Results of Admission under Management Seats / Vacant Seats

i. Composition of selection team for admission under Management Quota

This information be made available in the public domain during the admission process

ii. List of candidate who have been offered admission

72 Students have been offered admission

iii. Waiting list of the candidate in order of merit to be operative from the last date of joining of the first list candidate. 496 Students was waiting list for institute level admission

18.15 Information of Infrastructure and Other Resources Available

i. Number of Class Rooms and size of each	:	27	2098 Sq.M.
ii. Number of Tutorial rooms and size of each	:	15	780 Sq.M.
iii. Number of Laboratories and size of each	:	50	4485 Sq.M.
iv. Number of Computer Centres with capacity of each	:	02	505 Sq.M.
v. Central Examination Facility, Number of rooms and capacity of each.	:	16 Rooms	35 Students each rooms.
vi. Online examination facility (Number of Nodes, Internet bandwidth, etd.	:	Nodes 150	600 Mbps.
vii. Barrier Free Built Environment for disable and elderly persons	:	Yes, available	
viii. Fire and Safety Certificate	:	Yes	
ix. Hostel Facilities	:	Yes	

x. Number of Library books / Titles / Journals available (Programme-wise)

Total No of Titles	:	**30044**
Total No of Books	:	**91961**
Digital Learning Resources	:	**895**

S.No	Subject	Text Books	Ref. Books	No. Of Books	Total No of Titles	Total No of DVDs
1.	Computer Science & Engineering	8671	3605	12276	4453	162
2.	Electronics & Telecommunication Engg	10331	4674	15005	5251	93
3.	Electrical Engineering	6459	3015	9474	3558	26
4.	Mechanical Engineering	5565	2593	8158	3114	51
5.	Information Technology	3072	1812	4884	1735	45
6.	M.B.A.	4852	3028	7880	3533	140
7.	Pure Science	5326	1987	7313	2103	30
8.	Social Science and Arts	2630	1429	4059	1916	80
9.	Humanities	6017	2364	8381	4381	268
10	Back-Volumes	--	8409	8409	--	--
11	Electronics Information Collection	--	4295	4295	--	---
12	Project / Seminar	--	1426	1426	--	---
13	ISI	--	401	401	--	--
	Total	**52923**	**39038**	**91961**	**30044**	**895**

xi List of online National / International Journals subscribed

Technical Journals (International) - 38

Technical Journals (National) - 56

Non-Technical Journals - 15

Online E- Journals - 1913

xii National Digital Library (NDL) subscription details : YES

Xiii. **List of Major Equipment / Facilities in each Laboratory/Workshop**

Xiv. **List of Experimental Setup in each Laboratory/Workshop**

❖ **Department of Electrical Engineering (Electronics and Power)**

SN	Name of the Laboratory	Name of the Major Equipment's/ Facility in each Laboratory
1	Electrical machines Lab	D.C. Shunt Motor with Break Drum Arrangement for Loading (3 HP, 230 V, 12 A, 1500 RPM)
		Dc Shunt Motor (4 HP, 220 V ,13.6 A, 1500 RPM) Mechanically Coupled with Three Phase Alternator (3.5 KVA, 400 V, 4.3 A, 1500 RPM)
		D.C. Shunt Motor (5hp, 230 V, 1500 RPM) Mechanically Coupled with D.C. Shunt Generator (2.2 kW, 230 V, 1500 RPM)
		D.C. Compound Motor (5HP, 230 V, 19.6 A, 1500 RPM) Mechanically Coupled with D.C. Compound Generator (2.5 kW, 230 V, 11 A, 1500 RPM)
		D.C. Series Motor with Mechanical Loading Arrangement (3 HP, 230 V, 10.5 A, 1500 RPM)
		Three Phase Reluctance Motor with Mechanical Loading Arrangement (1 HP, 400 V, 2 A,1500 RPM)
		D.C. Shunt Motor (5 HP, 230 V ,16.2 A, 1500 RPM) Mechanically Coupled with Three Phase Alternator (3 kVA, 440 V, 4/3.2 A, 1500 RPM)
		D.C. Shunt Motor (0.75 HP ,230 V, 6.8 A, 3000rpm) Mechanically Coupled with Three Phase Alternator (1kva ,400v ,1.5 A ,3000rpm)
		D.C. Compound Motor (5 HP, 230 V, 16.2A, 1500 RPM) Mechanically Coupled with Three Phase Synchronous. Induction Motor (5HP, 415V, 7A, 1500 RPM)
		D.C. Shunt Motor with Flywheel (3 H.P. ,230 V, 12 A, 1500rpm)
		Single Phase Ac Series Motor (3 HP, 230 V, 11.5 A, 1500/3000rpm)
		Three Phase Induction Motor with Mechanical Loading Arrangement (3 HP ,415 V, 5.5 A, 920 RPM)
		Single Phase Induction Motor (2 HP,230 V,10 A, 1440 RPM)
		Three Phase Slipring Induction Motor (5HP, 440V, 7.5A, 1440 RPM) Mechanically Coupled with D.C. Series Generator (2.2 KW, 230V, 9.7A 1500 RPM)
		Three Phase Induction Motor (10HP, 415V, 14.4A, 1440 RPM) Mechanically Coupled with D.C. Compound Generator (5.5KW ,230 V, 24 A 1500 RPM)
		Three Phase Induction Motor with Mechanical Loading Arrangement (3HP 4.8A 415V 1440RPM)
		Single Phase Transformer (2.5 kVA, 250/440 V)
		Thrre Phase Schrage Motor (5.2/13.5HP ,420V, 12.5/17.5A, 600/1250RPM)
		Three Phase Synchronous Motor with D.C. Exciter (3HP ,400V, 4.3A, 1500RPM)
		Three Phase Induction Motor (5HP, 415V, 9.7A, 1440 RPM)
		Universal Motor with Mechanical Loading Arrangement (1HP ,230V, 4A, 1000 RPM)
		Three Phase Transformers 2Nos (5KVA , 433/250V)
		Three Phase Induction Motor with Pole Changing facility (2 HP, 440 V)
		Rectifier (250V DC, 50A)

		Storage C.R.O. (20 MHZ 38 WATT)
		Stroboscope (TYPE-5901)
		Digital Storage Oscilloscope DSO (TDS – 2002 TEKTRONIX MAKE,60 MHZ)
		D.C. Shunt Motor (: 5 HP, 220 V,19 A , 1500 RPM) Mechanically Coupled with D.C. Shunt Generator (3KW,13.6A, 1500 RPM)
		B.L.D.C Motor with Control Panel (1 HP,48 VOLT,3000 RPM)
		Ac Drive (VFD) Trainer Kit With 3phase I.M. (1HP,415V,1440 RPM)
		D.C. Compound Motor (5HP,220V,1500RPM) Three Phase Alternator Set (3KVA,415V,1500RPM)
		Synchronizing Panel with Phase Sequence Indicator, Synchroscope, Frequency Meter
2	Power System Lab	Demonstration Unit for MCB and RCCB
		Demonstration Unit for Motor and Winding Protection Relay
		Demonstration Unit for AC Contactors and AC/DC Relay
		Demonstration Unit for Under Voltage/Over Voltage and Time Delay Relay
		3 Phase Relay Testing Kit
		Motor Protection Relay
		Digital Storage Oscilloscope
		Phase Shifting Transformer
		Oil Circuit Breaker
		Microprocessor Based Relay (L& T Make)
		Over Current Protection (Numerical) Relay
		Primary Injection Unit
3	High Voltage lab	100 KV AC Testing Set
		100 KV DC Testing Set
		Insulating oil Tester
		Impulse Tester
4	Control System & Power Electronics Lab	D. C. Position Control
		Stepper Motor Kit
		Dc Motor Generator Set (220V, 4.6 Amp, 1500 RPM)
		3 Phase Induction Motor (3HP, 2.2KW,415V, 4.5 Amp)
		Dc, Shunt Motor Generator Set (2.5KW, 220V, 2.2Amp, 1500 RPM, 0.75HP)
		D.C Dual Power Supply (30V, 5Amp)
		Function Generator (5Mhz, with USB (4Nos)
		Synchro Kit (80V AC)
		D.S.O. (100MHz)
		Autotransformer 1-Phase 230 V, 8A
5	Electrical Measurement Lab	Autotransformer 3 Phase (440 V, 8 A)
		3 Phase Induction Motor (3HP, 2.2KW,415V, 4.5Amp)
		D.C Dual Power Supply (30V, 5 Amp)
		Stroboscope
		Autotransformer 1-Phase (230 V, 8A)
		Earth Tester
		LCR Meter
		Kelvin Double Bridge Kit Trainer
		Maxwells Induction Capacitance Bridge
		De'sauty's Bridge

SN		Title of Experimental Setup
6	Basic Electrical Engineering Lab	Single Phase Autotransformer (230-volt, 10 Amp)
		Three Phase Autotransformer (415volt, 15 Amp, 12.21 KVA)
		D.C. Regulated Power Supply (Dual) (Model 93 C) 0-30 V, 5 A
		Resistive Load Bank (2KW, 230 V, 10 Amp)
		Single Phase Transformer with tapping's (1KVA, 115 V/230 V)
7	PLC & Factory Automation Lab	Advanced Modular PLC Training Kit for MITSUBISHI Q-PLC. (Mitsubishi Q -series Modular PLC Training Kit with HMI, Remote IO network, Analog IO with Major Elements) – 02 Nos
		Automation Training Kit (Complete Automation Training Kit with Mitsubishi Fx-5 U series PLC with Servo and HMI 7 - 02 Nos
		Socket Tray – 02 Nos
		Desktop Computer: 20 Nos CPU: Lenovo Make, Intel (R), core TM, 3.9 GHz .32 Bit operating System, i3 ,7th Generation 7100, 3.9 GHz, 2C Processor, single modular 4GB RAM. Monitor: 19.5 Inch LCD Backlite color Monitor Lenovo Make. VKB Series Keyboard: Lenovo Make Mouse: Lenovo Make
		UPS: 5KVA, with battery back-up Model: OnfinitI 5 KVA FMI C
8	Computer & Microprocessor Lab	Computer System: T5, 12 Generation (22 Nos)
		ETAP, PSCAD Software
		Microprocessor kits with peripherals
9	Power Quality lab	Power Quality Analyser
		Digital Storage Oscilloscope
		Data Acquisition System
		Multi-storage Oscilloscope
10	Electrical Power Research Lab	Lab VIEW
		Data Acquisition System
		Compact RIO
		PCB Designing facility

(List of Experimental Setup in each Laboratory / Workshop)

❖ **Department of Electrical Engineering (Electronics and Power)**

SN	Name of the Laboratory	Title of Experimental Setup
1	Electrical machines Lab	Determine the critical resistance of dc generator from it's OCC
		Determination of efficiency and regulation of dc compound generator by load test.
		Speed control of dc shunt motor by armature control & field control method.
		Conversion of three-phase a.c. supply into two-phase supply by using Scott connection.
		Perform the Swinburne's test on dc machine.
		Perform the oc & sc test on single phase transformer.
		To determine the efficiency and losses of a given transformer by Sumpner's test.
		Conduct the Load test on three phase Induction motor to determine its performance characteristics
		Plot the Circle diagram for three Phase Induction Motor by conducting the No load & Blocked rotor test on it.
		Separation of No-Load Losses of a Three Phase Induction Motor.
		Speed Control of Three-Phase Slip-ring Induction Motor.
		Determine the regulation of a three-phase alternator by EMF & MMF Method

		To synchronize the three-phase alternator with an Infinite Bus bar & perform the load test on it.
		Plot the V and inverted V curves of the three-phase synchronous motor.
		Determination of Xd and Xq by slip test
		Determination of Xd' and Xd'' by sudden symmetrical short circuit test.
		Determination of Xd'' and Xq'' by conducting static test.
		Determination of X1, X2 and X0 of synchronous machine by conducting the direct test.
		Determination of X1, X2 and X0 of synchronous machine by conducting the In-direct test.
		Load test on dc shunt motor.
		Rheostatic braking of d. C. Shunt motor
		Rheostatic braking of three-phase induction motor.
		Load test on single phase induction motor
		Speed Control of Three Phase Induction Motor in Forward & Reverse Direction by Using VFD.
2	Power System Lab	Study of relaying components and control circuit development
		Study of relaying components and control circuit development
		Determination of Through fault stability of differential relay
		Study of combine over current and earth fault protection scheme of an alternator
		Study the protection of three-phase transformer using differential relay (Merz-price protection scheme)
		Plot the characteristics of rewireable fuse and miniature circuit breaker (MCB)
		Study of under voltage and overvoltage protection of three phase induction motor using static relay
3	High Voltage Lab	Study of arc extinction phenomenon
		To study the breakdown in air using Sphere gap.
		To study the Corona effect.
		To study the testing of transformer oil.
		To study the testing of insulator (Dry and wet test).
		To study the lightning arrestor.
		To study the impulse voltage generator
		To study the high voltage 100Kv A.C testing set
		To study the high voltage 100Kv D.C testing set.
		To study the testing of high voltage cable.
4	Control System & Power Electronics Lab	Study of Potentiometer
		Study of A.C Synchoros
		Determination Of Transfer Function of D.C Generator
		Determination of Transfer Function of D.C Servomotor and Its Characteristics
		Performance Characteristics of A D.C Motor angular Position Control System (Manual Control)
		Determination of Frequency Response of Given R-C Network
		Determination of Transfer Function of A.C Tacho-Generator
		Experiment Study of The Operating Characteristics of a Small Stepper Motor And Its Controller
5	Electrical Measurement & Network Analysis lab	Verification Of Output Response of Series R-C Circuit for Step Input
		Study Of Dot Convention and Determination of A) Mutual Inductance B) Coupling Coefficient of A Given Transformer
		Verification of Mesh and Node Method of Analysis on A Given Network.
		Verification of Superposition Theorem on A Given Network.

7		Verification of Thevenin's Theorem on A Given Network.
		Verification of Maximum Power Transfer Theorem on A Given Network.
		Verification of Reciprocity Theorem on A Given Network.
		Study of Milliman's Theorem& Verification of A Given Network.
		Determination of Abcd Parameters T-Network &Π-Network.
		Determination of Abcd Parameters of Two Port Network for A Given T-Network And Π Network
		Study of Tie Set and Cut Set Schedule for A Given Network
		Measurement of Active Power in Three Phase Circuit by Two Wattmeter
		Measurement of Reactive Power in Three Phase Circuit by Single Wattmeter
		Calibration of Single-Phase Wattmeter by Phantom Loading
		Measurement of High Resistance by Loss of Charge Method
		Measurement of Low Resistance by Kelvin Double Bridge
		Calibration of Single-Phase Energy Meter
		Determination of Unknown Capacitance By Desauty's Bridge
		Determination of Self Inductance by Maxwells Inductance-Capacitance Bridge
		Measurement of Speed by Using Stroboscope.
		Study of Phase Sequence Indicator and Megger.
6	Computer & Microprocessor Lab	Addition of 8-Bitnubers And 16-Bit Numbers
		Subtraction of Two 8-Bit Numbers
		Finding The Larger and Smaller One Among the Two 8-Bit Numbers
		Finding The Largest and Smallest Number from An Array of Ten,8-Bit Numbers
		Masking And Setting of Nibbles
		Block Data Transfer in Same and Reverse Order
		Sorting Of Even and Odd Numbers from An Array of 8-Bit Numbers
		Multiplication of Two 8-Bit Numbers
		Square Wave Generation Using 8255
		Stepper Motor Control Using 8255
		Write a computer programme in 'C' language to estimate the efficiency & regulation of a single-phase transformer at desired load condition from its OC & SC test data.
		Write a computer programme in 'C' language for core design of a three-phase core type transformer.
		Write a computer programme in 'C' language for Estimation of Iron losses in a three-phase core type transformer.
		Write a computer programme in 'C' language for windings design of a three-phase transformer.
		Write a computer programme in 'C' language for Estimating the No load current of a three-phase transformer.
		Write a computer programme in 'C' language for tank design and calculating the number of cooling tubes required for three phase transformers.
		Write a computer programme in 'C' language to calculate the Main dimensions (D & L) of a three phase Induction motor. Write a computer programme in 'C' language for stator core design of a three-phase induction motor.
		Write a computer programme in 'C' language for a squirrel cage rotor design of three phase induction motor.
7	Basic Electrical Engineering Lab	To Verify Kirchhoff's current Law and Kirchhoff's voltage Law.
		To verify Superposition Theorem.

		To verify Thevenin's Theorem.
		To verify vector relationship of current & voltage in the given Single-phase R-L-C Series circuit.
		To verify vector relationship of current & voltage in the given Single-phase R-L-C Parallel circuit.
		To verify line & phase relationship of current & voltage between line and phase quantities in a balanced Star connected load.
		To verify line & phase relationship of current & voltage between line and phase quantities in a balanced Delta connected load.
		To conduct the load test on Single-phase transformer to obtain the efficiency and regulation.
		Study the Construction (Various parts) of D.C. Motor
		To study the measuring instruments.
8	Electronics Technology Lab	To study the different electronic components.
		To study the different measuring instruments and equipment's.
		To find the value of resistor using resistor colour code and digital multimeter (DMM).
		To find the value of capacitor using capacitor identification code and capacitor colour code
		To find the value of inductor using inductor colour code.
		To study the use of breadboard and build a led circuit on breadboard.
		To soldering and Desoldering of electronic components.
		To study the PCB design and fabrication.
		To study VI characteristics of P-N junction diode
		To study VI characteristics of Zenner diode and load regulation
		To study Half Wave Rectifier with & without Filter
		To study Centre-tap Full Wave Rectifier with & without Filter
		To study transistor as a switch
		To study Common Emitter transistor Characteristics
		To study Common Base transistor Characteristics
		To study UJT relaxation oscillator
9	Power Electronics Lab	To Verify the Characteristics Of SCR And To Find Ih And Il .also To Verify The Gate Characteristics Of SCR
		To Verify Forward and Reverse Characteristics Of DIAC
		To Verify Forward and Reverse Characteristics Of TRIAC
		To Study UJT Relaxation Oscillator Using UJT
		Ac Voltage Control Using Triac Diac Combination
		To Verify the Operation of Half Controlled And Full Controlled Bridge Converter Of SCR Using Digital Firing Circuit.
		To Verify the Operation of SCR Commutation Circuits
		To Design Dc-Dc Buck Converter and Simulate It with MATLAB
		To Plot Frequency Response of Non-Inverting Mode of Op-Amp Using IC 741. Also To Determine Band Width and Maximum Gain.
		To Plot Frequency Response of Inverting Mode Of Op-Amp Using IC 741 Also To Determine Band Width And Maximum Gain
		To Study Op-Amp as an Integrator using Op-Amp IC 741 For Different Signals
		To Study Op-Amp as a Differentiator Using Op-Amp IC 741 For Different Signals
		Design the Circuit for Supplying 5V, 50 mA as A Low Voltage Regulator Using IC 723.
		To design and Set Up a stable Multivibrator of 1000 Hz Frequency And 60% Duty Cycle Using Ic 555
		Verification Of Truth Table of Various Logic Gates Using Various ICs
		To Study and Verify the Operation Sr and M-S J-K Flip-Flop.
		To Verify the Operation of Multiplexer Using IC 74153 (Dual 4:1 Mux)
		To Design and Verify Function of Decade Counter Using IC 7490

		Write a program to find bus incidence matrix for a given Power System Network.
		Write a program to find basic Cut set incidence matrix & basic loop incidence matrix for a given Power System Network.
		Write a program to find bus admittance (Ybus) matrix for a given Power System Network by building algorithm.
		Write a Program to find bus Admittance (Ybus) matrix for a given Power System Network using Singular Transformation.
		Perform short circuit analysis for a given Power System Network by using simulation software.
		Write a program for load flow Analysis for a given Power System Network using bus Admittance (Ybus) Matrix
		To plot Power-Angle curve of Synchronous Machine for stability analysis
10	PLC & FA Lab	To plot Swing curve of Synchronous Machine for stability analysis
		Generation of Power Quality event using Line Fault Model and simulate it with MATLAB.
		Generation of Power Quality event using Line Fault Model and simulate it with MATLAB.
		Simulation of Half Controlled Bridge Converter (Semi-converter)
		To calculate the Root Mean Square value of voltage signal using MATLAB
		To calculate the Peak value of voltage signal using MATLAB.
		To calculate the fundamental value of voltage signal using Fourier transform Method
		Development of Control Circuit of Direction Control of Three Phase IM using PLC
		Development of Control Circuit of DOL Starter for Three Phase IM Using PLC
		To Design and simulate charging and discharging circuit of supercapacitor

- **List of Major Equipment / Facilities in each Laboratory/Workshop**

❖ **Department of Electronics and Telecommunicaion Engineering**

Sr. No.	Name of the Laboratory	Major Equipment available in Laboratory	Facilities in laboratory
1	Digital Signal Processing Laboratory	- P5 Computer Systems (16) - Logic Analyzer LA-5000 Series - DM 642 EVM Based Board for DSP - Interfacing Board for DM642 - Arbitrary Waveform Generator - TMS 320C6711 DSP Kit - ADC THS 1206 EVM - TMS 320C6711 DSP Kit - Fingerprint Daughter Card - Dskeye Module - Cranes MSP Starter Kit - Matlab Software (Ver 7.0) - Triton IDE for ARM processor Kit (Oasis)	Signal Processing and AnalysisFacilityProject Development Facility
2	Microprocessor & Microcontroller Laboratory	- P5 Computer Systems (10) - ARM Processor Titan Board - ARM Processor Metis Board - ARM Processor Explorer Board - ARM Processor Voyager Board	Internet FacilityProject Development FacilityLCD Projector

		• GPS Module • Demo board from Freescale Micro-controller • Universal Trainer Kitfor CPLD/FPGA TK Based • Virtex II xilinx Board with Xilinx &Sysgen Software • Xilinx Zybo Board • Nexys 3 Spartan Board • Xilinx &Sysgen Software	
3	Power Electronics & Instrumentation Laboratory	• P5 Computer Systems (4) • AC Drive • High Power Kits • Power Oscilloscopes • DSO • Invertors • Convertors • Choppers • Instrumentation kits • Study of Various Transducers • Radar based water level measurements • Test & Measure equipment • Fuzzy logic kits	INTERNETPROJECT LABORATORY
4	Analogy and Digital IC Laboratory	• P5 Computer Systems (10). • Python (3.8). • CRO.100Mhz • DSO.50Mhz. • Single Phase Dimmer. • Digital IC Tester. • LCR Meter. • Measuring Equipment. • CD System. • (Logic Gates Trainer Kit) • Study of Various IC's. • DC Regulated Dual Power • Supply-93 C Digital. • Digital Voltmeter & Ammeter. • Function Generator.	Analog and digital Circuit Development Facility
5	Electronic Device and Circuit Laboratory	• CRO 100 MHz • CRO 30 MHz • DSO 50 MHz • DSO 60 MHz • Measuring Equipment • CD SYSTEM, POWER SUPPLY, FUNCTION GENERATOR MULTIMETER,CURRENT METER,VOLT METER,PC,IC Tester, etc	Electronic Devices and Circuits Analysis and Design facility
6	Communication Engineering Laboratory	• Pi3 Computer Systems (12) • CRO 100 MHz • Microwave Bench • Spectrum Analyzer • Signal Generator • Synthesized Function Gen • Fiber Optic Trainer (T& R) • Antenna Trainer Unit • GSM Evaluation Kit	RF Circuits and Antenna Facility

			Satellite Comm. Trainer • CDMA Direct Sequence • Spread Spectrum Trainer • CRO 100 MHz. • CRO 60 MHz • EPABX M/c with UPS • Wave & Propagation Trainer • Micro strip Trainer • Microwave Training System • Vector Network Analyzer	
7	Electronics Workshop		• Pi3 Computer Systems (06) • Oscilloscopes • Function generators	PC With Internet connectionProject Development Facility
8	Project Laboratory		• P5 Computer Systems (16)	Project Development Facility
9	VLSI & Embedded System Design Laboratory		• Pi3 Computer Systems (31) • Cadence Tools	Signal Processing and AnalysisFacilityProject Development Facility
10	PG Laboratory	LAB-1	• Pi3 Computer Systems Computer Systems (14) • VLSI Cadence Suit • ARM and Microcontrollers Boards • Communication Kits and Systems	Practicals and Projects are Conducted on the Computational, Kits and Boards facilities available.
		LAB-2		

- **List of Experimental Setup in each Laboratory / Workshop**
- ❖ **Department of Electronics and Telecommunication Enginering**

SN	Name of the Laboratory	Title of Experimental Setup
1	PE LAB	To verify the characteristics of SCR. Obj: 1. To plot V-I characteristics of SCR. 2. To measure Latching and Holding current of SCR.
		To verify the characteristics of DIAC. Obj: 1.To plot V-I characteristics of DIAC when MT1 is +ve w.r.t. MT2. 2. To plot V-I characteristics of DIAC when MT1 is -ve w.r.t. MT2
		To verify the characteristics of TRIAC. Obj: 1.To plot V-I characteristics of TRIAC when MT1 is +ve w.r.t. MT2. 2. To plot V-I characteristics of TRIAC when MT1 is -ve w.r.t. MT2
		To study UJT relaxation oscillator for the triggering of SCR.
		To verify the operation of Full controlled Bridge Rectifier for Resistive & Inductive load.
		To verify the working of SCR Commutation Obj:- 1. To examine class A, class B, class C commutation of SCR 2. To draw the waveforms at different points for commutation circuit
		To study speed control of universal motor using TRIAC.
		To verify the operation of chopper using TRC principle with MATLAB simulation
		Measurement of linear displacement using LVDT
		Measurement of Displacement using Photosensitive Transducer.
		Measurement of Pressure using Piezo-electric Transducer
		Temperature measurement by Thermistor.

		Displacement measurement by resistive Transducer.
		Comparative study of temperature measurement using Thermocouple and Thermistor.
		Liquid level measurement using level transducers.
		Measurement of Force Using Strain Gauge
2	PROJECT LAB	Write a program to demonstrate Shift cipher and mono alphabetic cipher algorithm.
		Compare the breaking of Shift Cipher & mono alphabetic cipher.
		Write a program to demonstrate any transposition stream cipher algorithm.
		Generate various block cipher a) DES Cipher b) AES Cipher.
		Write a program to implement RSA algorithm by some suitable example.
		Write a program to generatecryptographic Hash Functions.
		Implementation of firewall using Cisco Packet Tracer
		To verify Mesh Analysis for electric circuit
		To verify Node Analysis for electric circuit
		To verify Superposition theorem for a given network
		To verify Thevenin's theorem for a given network
		To verify graph theory for the analysis of given network
		To determine and verify open circuit (Z) impedance parameter of a given to port network
		To determine and verify Transmission (ABCD) parameters of a given Two Port network.
		To study RLC series circuit using any simulation Tool
		Study various Components like Crimping practice with straight andcross CAT 5 cables and Create andcheck simple two PC LAN connection using a crossover cable.
		Create and check simple multiple PCs LAN connection using an Ethernet switch/hub and straight-throughCable.
		To configure various Network connecting devices using Packet Tracer Software. a) Repeater b) Bridge c) Hub d) Switch e) Router
		To configure various Network topology using Packet Tracer Software. a) Bus b) Ring c) Mesh d) Star
		Install and access Remote Computer desktop and share printer between PCs on localarea network.
		Share File and Folder with various security levels between two PCs in the network.
		Use Cisco packet tracer software toanalyze traffic flow in the network.
		To install and configure wireless access points.
3	ESD/VLSI LAB	Study of simulation environment and microcontroller kit and describe the internal memory organization of Microcontroller and write embedded-C program to make LED ON/OFF
		Interface 7-segment display with AT89C51 microcontroller and write embedded-C program to display 0-9 numbers.
		Interface DIP Switch and LEDs withe AT89C51 microcontroller and write embedded-C program to make LED/Relay ON/OFF based on switch condition.
		Interface LCD display with AT89C51 microcontroller and write embedded-C programto display name and roll number on the LCD.
		Interface stepper motor with AT89C51 microcontroller and write embedded-C programto rotate stepper motor continuously.
		Develop an application to rotate DC motor clockwise or anticlockwise using switch
		Interface DAC0809 with AT89C51 microcontroller and write embedded-C program to generate sine wave.
		Interface LED with ARM LPC2148 and write embedded-C program to blink LED.
		Study of AVR Development board and ATMEL Studio 7, AVRDUDESSprogrammer and USB-ASP driver
		Alternate LED control with ATmega16 microcontroller.
		Seven Segment Display with ATmega16 microcontroller.
		16x2 LCD interfacing with ATmega16 microcontroller
		4x4 Keypad interfacing with ATmega16 microcontroller
		Process parameters measurement using ATmega16 microcontroller

		Stepper motor interfacing with ATmega16 microcontroller
		Serial communication using RS232 interfacing with ATmega16 microcontroller
		Relay Interfacing with atmega16 microcontroller
4	DSP LAB	Write a MATLAB code to illustrate the Nyquist sampling theorem. The program should illustrate the effects on sampling the signal at 1) Exactly the folding frequency 2) Frequency less than the folding frequency 3) Frequency greater than the folding frequency Plot the magnitude spectrum for all the above said cases.
		Write a MATLAB code to obtain the discrete Fourier transform and Inverse Discrete Fourier transform of given digital signal. Also plot the magnitude and phase response.
		Write a MATLAB code to verify the following properties of DFT a)Linearity b) Periodicity c) Circular Symmetry of a sequence d) Symmetry property
		Write a MATLAB code to compute the DFT of a sequence x(n) using DIT and DIF algorithm. Also indicate the speed improvement factor in calculating the DFT of a sequence using direct computation and FFT algorithm
		Write a MATLAB code to verify the Low Pass and High Pass FIR linear phase filter design using Kaiser window method.
		Write a MATLAB code to verify the Low Pass Butterworth IIR filter design using bilinear transformation(BLT) method
		Write a MATLAB code to implement the Low Pass Chebyshev (Type I) IIR filter design using bilinear transformation method (BLT).
		Write a MATLAB code to illustrate the effect of Decimation and Interpolation by an integer factor. Plot the magnitude spectrum. Design the necessary filter to overcome aliasing and image frequencies after decimating and interpolating the signal respectively.
		Study of Signal Processing Functions used in MATLAB
		Program to generate standard continuous Time Signals a) Sine Wave b) Square wave c) Cosine Wave d) Triangular wave
		Program to generate standard discrete Time Signals a) Impulse b) Step c) Ramp d) Exponential signal
		Program to perform basic operations on Signals : Delay , advance and folding
		Program to find Even and Odd parts of a Signal
		Program to find the Energy & Power of a Signal
		Program to identify the given system as linear / nonlinear , time variance /invariance property
		Program to find Fourier transform of given signal and plot its Fourier spectrum.
5	ADC LAB	To study and verify the operation of logic gates.
		Design and implementation of Half Adders and Half Subtractors using logic gates.
		To realize Binary to Gray code converter and vice versa.
		To verify the operation of multiplexer using IC 74153 (Dual 4: 1 Mux) or logic gate using AND, OR, Inverter
		To verify the operation of demultiplexer using IC 74155(Dual 1: 4 Demux)
		Design and verify operation of 8-bit parity checker.
		To design and verify function of 4-bit Comparator
		To Design and verify the operation of 4bit Binary Counter using IC 7493
		a) Demonstrate about Basics of Python Programming. b) Demonstrate about fundamental Data types in Python Programming. (i.e., int, float, complex, bool and stringtypes) c) Demonstrate the working of following functions in Python.i) id( )ii) type( )iii) range( ) d) Python Programs to demonstrate of various base conversion functions e) Python Programs to demonstrate of various Type conversion functions
		Demonstration of various operators used in Python with suitable example.
		a) Write a Python program to demonstrate various ways of accessing the string.

		b) Demonstrate the functions/methods which operates on strings in Python with suitableexamples:
		a) Write a Python program to perform read and write operations on a file. b) Write a Python program to copy the contents of one file to another file. c) Write a Python program to count frequency of characters in a given file d) Write a Python program to print each line of a file in reverse order.
		a) Demonstrate the different ways of creating list objects with suitable example programs. b) Demonstrate the functions/methods which operate on lists in Python with suitableexamples.
		a) Demonstrate the different ways of creating tuple objects with suitable example programs. b) Demonstrate the functions/methods which operate on tuples in Python with suitableexamples.
		Write a program to Create data frame from .csv files and operations on it.
		Write a program for Plotting various graphs using Python
6	EDC LAB	To verify an inverting and non-invertingamplifierwithaspecificgainvalueusingopampIC741
		To demonstrate integrator circuitusingopampIC741
		To verify operation of RC phaseshiftoscillatorusingopampIC741
		To design square wave generatorforspecificfrequencyusingopampIC741
		To demonstrate comparator circuitusingIC741
		TodesignLowvoltageVariableregulator for 2V to 7V outputVoltageusingIC723
		To design and test astablemultivibratorcircuitusingtimerIC555
		TostudycharacteristicsofPhaseLockedLoopusingIC565
7	CE LAB	To verify the V-I characteristics of Gunn diode and Measurement of Gunn oscillator frequency.
		To measure the frequency of microwave signal using slotted line and reflecting sheet method.
		Verification of power frequency relationship for reflex klystron.
		To Verify Basic Properties of E plane, H plane and Magic Tee.
		To verify basic Properties of directional coupler & circulator.
		Introduction to microstrip line trainer kit & measurement of attenuation
		To Verify Operation of Micro strip power divider
		Micro strip Power division using micro strip line trainer
		To Prepare of a real time project feasibility report containing Technical appraisal.
		To Prepare of a real time project feasibility report containing Environmental appraisal.
		To Prepare of a real time project feasibility report containing Market appraisal (including market survey forecasting future demand and sales)
		To prepare Project cost estimation for any project.
		To prepare projected financial statements for any project.
		To study entrepreneurial motivation (McClellends Achievement motivation theory
		To Study social entrepreneurship opportunity and successful models.
		To prepare a Project report on any industry based on field visit.
		Layout, physical verification, placement & route for design, static timing analysis, parametric analysis of CMOS Inverter on silicon using appropriate ASIC design tool.
		Layout, physical verification, placement & route for design, static timing analysis, parametric analysis of two input NAND and NOR logic gates on silicon using appropriate ASIC design tool.
		Layout, physical verification, placement & route for design, static timing analysis, of D-flip-flop with reset on silicon using appropriate ASIC design tool.
		To write verilogcode for 2 to 4 decoder and simulate with test bench, synthesis implement on PLD
		To write verilogcode for 4 to 1 Multiplexer and simulate with test bench, synthesis

		implement on PLD
		To write verilogcode for D-flip-flop with reset and simulate with test bench, synthesis implement on PLD
		To write verilogcode for BCD counter and simulate with test bench, synthesis implement on PLD
		To write verilogcode for 4 bit adder and simulate with test bench,synthesis implement on PLD
8	WS LAB	TO UNDERSTAND THE BASICS OF MULTIMETER AND CRO, DIGITAL STORAGE OSCILLOSCOPE (DSO) AND FUNCTION GENERATOR.
		TO EXAMINE AND DISTINGUISH VARIOUS TYPES OF 1. FIXED & VARIABLE RESISTORS. 2. FIXED & VARIABLE CAPACITORS.
		TO ANALYZE AND LEARN DIFFERENT TYPES OF SWITCHES AND RELAYS.
		TO STUDY DIFFERENT TYPES OF DIODES AND OPTO-DEVICES: LED, PHOTO DIODE USED IN VARIOUS APPLICATIONS.
		TO SCRUTINIZE AND LEARN DIFFERENT TYPES OF SENSORS LIKE TEMPERATURE SENSORS, PRESSURE SENSORS, LIGHT DETECTING SENSORS, SOUND SENSORS, SMOKE SENSORS.
		TO TEST VARIOUS DIODES, TRANSISTORS USING MULTIMETER AND CRO.
		TO SIMULATE AND PLOT THE OUTPUT WAVEFORM OF FULL WAVE RECTIFIER USING MULTISIM SOFTWARE.
		DESIGN FABRICATION AND TESTING OF MINI ELECTRONICS PROJECT.
		TO EXPLORE THE OPERATION OF AM MODULATION AND DEMODULATION IN THE COMMUNICATION SYSTEM
		TO EXPLORE THE OPERATION OF FM MODULATION.
		TO STUDY THE GENERATION OF DSB-SC SIGNAL
		TO STUDY ASK MODULATION AND THEIR DEMODULATION
		TO INTERPRET THE EFFECT OF PRE-EMPHASIS AND DE-EMPHASIS.
		TO VERIFY THE OPERATION OF PWM, PAM AND DEMODULATION.
		TO EXPLORE TIME DIVISION MULTIPLEXING (TDM) TECHNIQUE AS A APPLICATION OF PAM.
		TO EXPLORE THE GENERATION OF MODULATED SIGNAL BY USING MATLAB.
		TO STUDY THE OPERATION OF PULSE CODE MODULATION (PCM) AND DEMODULATION

- **List of Major Equipment / Facilities in each Laboratory/Workshop**
- **List of Experimental Setup in each Laboratory/Workshop**

❖ **Department of Mechanical Engineering**

SN	Name of the Laboratory	Name of the Major Equipments in each Laboratory	Facilities in laboratory
1	CAD/CAM	AutoDesk Inventor Series Pro-7 (Software)	Solid Modeling & Assembly Modeling
		Solid Edge V 14 (Software)	
		ANSYS Introductory Software V 9.0 (Software)	
		UG NX3 Advanced Designer Bundle (Software)	
		WITNESS 2006 (Rel 2.0) (Software)	
		Computer System - Desktop PC I 3 Lenovo ThinkCentre (Qty 14) (Hardware)	

SN	Name of the Laboratory	Name of the Experiments	Facilities in laboratory
1	CAD/CAM	Introduction to design process and UG-NX	Modeling & Assembly Software
2		Sketcher environment of UG & Creation of sketches of components	
3		Modeling environment of UG & Creation of models of components	
4		Assembly environment of UG & Creation of assemblies of components	
5		Simulation Languages and Packages	

SUBJECT: ENGINEERING GRAPHICS

SN	Name of the Laboratory	Name of the Major Equipments in each Laboratory	Facilities in laboratory
1	Drawing Hall	Drawing Boards	Drawing on Drawing Sheets
2		Solid Models	Projection of Solids And Sections
3		Drawing Instruments	Projection of Straight Lines, Planes and Solids
4		Three Dimensional Models	Orthographic and Isometric Projections
5		Cognifront Demo Package	Projection of Straight Lines, Planes and Solids Orthographic and Isometric Projections

SN	Name of the Laboratory	Name of the Experiments	Facilities in laboratory
1	Drawing Hall	Projection of Straight Line	Demo Models and Drawing Instruments
2		Projection of Plane	Chart, Models of Plane
3		Orthographic Projection	Three Dimensional Models
4		Projection of Solids	Solid Models
5		Isometric Views & Projections	Three Dimensional Models
6		Projection of Section of Solid	Cut Section Solid Models
7		Drafting of Basic 2d Geometrical Shapes Using Cad Software	Cad Software (AUTOCAD)
8		Drafting of Basic 3d Geometrical Shapes Using Cad Software	Cad Software (AUTOCAD)

SUBJECT: MACHINE DRAWING

SN	Name of the Laboratory	Name of the Major Equipments in each Laboratory	Facilities in laboratory
1	Drawing Hall	Drawing Boards	Drawing on Drawing Sheets
2		Intersection of Solid Models	Projection of Intersection of Solid
3		Drawing Instruments	Projection of Straight Lines, Planes and Solids
4		Development of Solids Models	Projection of Development of Solids
5		Cognifront Demo Package	Projection of Intersection and Development of Solids

SN	Name of the Laboratory	Name of the Experiments	Facilities in laboratory
1	Drawing Hall	Conversion of Pictorial View into Sectional Orthographic Projection	Cut Section Demo Models and Drawing Instruments
2		Missing Views	Charts
3		Development of Surfaces of Cubes/Prisms/Cylinders/Pyramids /Cones & their Cut Sections	Solid Models
4		Intersections of Solids – Prism & Prism / Cylinder & Cylinder/Cylinder & Prism/Cone & Prism	Solid Models
5		Conventions for Various Materials & Parts	Charts Drawing Sheets
6		Preparation of Detail Drawings of Simple Machine Assembly	Charts
7		Preparation of Assembly Drawing of Simple Machines	Cad Software (AUTOCAD)

SN	Name of the Laboratory	Name of the Major Equipments in each Laboratory	Facilities in laboratory
1	Energy Conversion / IC Engine Lab	Blower Test Rig	Experimental set up of Blower
		Single Cylinder 4-Stroke Diesel Engine With Brake Test Rig	Experimental set up of single cylinder Diesel engine
		Four Cylinder 4-Stroke Petrol Engine With Hydraulic Dynamometer Test Rig	Experimental set up of 4-stroke 4 cylinder cylinder Petrol engine
		Single Cylinder Petrol Engine With Alternator Test Rig	Experimental set up of single cylinder Petrol engine
		Single Stage Reciprocating Air Compressor Test Rig	Experimental set up of single stage Compressor
		Two Stage Reciprocating Air Compressor Test Rig	Experimental set up of multy stage Compressor
		Four Cylinder 4-Stroke Diesel Engine M & M	Study of Bosch Type Single Plunger Fuel Pump
		Five Gas Exhaust Analyzer	PUC Testing of varies Engine

SN	Name of the Laboratory	Name of the Experiments	Facilities in laboratory
1	EC II	Trial on Reciprocating Compressor. (Single Stage & Multistage)	Experimental set up of single and multy stage Compressor
2		Trial on Centrifugal Blower	Experimental set up of Blower
3		Study of Gas Turbines With The Help Of Models	models
4		Study of Domestic Refrigerator.	Experimental set up of Refrigerator
5		Study of Room Air Conditioner	Experimental set up of Air Conditioner
6		Study of Photovoltaic System	Experimental set up of solar plate

SN	Name of the Laboratory	Name of the Experiments	Facilities in laboratory
1	I C Engine	Performance Test on A Single Cylinder Diesel Engine	Experimental set up of single cylinder diesel engine
2		Performance Test on A Single Cylinder Petrol Engine	Experimental set up of single cylinder Petrol engine
3		Evaluation of the Heat Balance for Single Cylinder Diesel Engine	Experimental set up of single cylinder diesel engine
4		Morse Test on Multy-Cylinder Petrol Engine	Experimental set up of single cylinder Petrol engine
5		Study of Bosch Type Single Plunger Fuel Pump	Model of Bosch fuel pump M & M
6		Study of Various Types of Fuel Injectros and Nozzles	On M & M Engine

SN	Name of the Laboratory	Name of the Major Equipments in each Laboratory	Facilities in laboratory
1	EM Lab.	Differential Axle And Wheel	
		Single Purchase Winch Crab	
		Double Purchase Winch Crab	
		Simple Screw Jack	
		Worm & Worm Wheel	
		Fly Wheel	
		Coil Friction Apparatus	
		Compound Pendulum	
		Inclined Plane Apparatus	
		Simple Jib Crane	
		Simple Supported Beam	
		Universal Force Table	

SN	Name of the Laboratory	Name of the Experiments	Facilities in laboratory
1	EM Lab.	Verification of Law of Polygon of Forces	Universal Force Table
2		Reactions at the Supports of a Simple Beam	Simply Supported Beam
3		To Determine the Forces in the Members of Jib Crane	Simple Jib crane
4		Friction on Inclined Plane	Inclined Plane Apparatus
5		Coefficient of Coil Friction	Coil Friction Apparatus
6		Single Purchase Winch Crab	Single Purchase Winch Crab
7		Simple Screw Jack	Simple Screw Jack

SN	Name of the Laboratory	Name of the Major Equipments in each Laboratory	Facilities in laboratory
1	Fluid Power & CFD Lab.	A) Pelton Wheel Turbine	Testing on Pelton Turbine Setup
		B) Francis Turbine	Testing on Francis Turbine Setup
		C) CFD Software Cfx-10 (Software)	Simulation & Analysis of Fluid Flow Problems

- **List of Experimental Setup in each Laboratory**

SN	Name of the Laboratory	Name of the Experiments	Facilities in laboratory
1	Fluid Power & CFD Lab	Determination of Metacentric Height.	Ship Model
		Verification of Bernoulli's Equation	Bernoulli's Apparatus
		Flow Measurement By Venturimeter.	Venturimeter Apparatus
		Forces of Impact of Jet	Impact of Jet
		Determination of Reynolds Number.	Reynolds Apparatus
		Trial on Pelton Turbine	Pelton Turbine
		Trial on Francis Turbine	Francis Turbine
		Trial on Centrifugal Pump	Centrifugal Pump
		Trial on Reciprocating Pump	Reciprocating Pump
		Trial on Hydraulic Ram	Hydraulic Ram
		Formulation of Problem Concerning the Fluid Flow in the Vessel with CFD (CFX -10.0) Software	CFD Software CFX-10

SN	Name of the Laboratory	Name of the Major Equipments in each Laboratory	Facilities in laboratory
1	MOM LAB	a) Computerized Universal Testing Machine ,Model-TUE-C-400 b)Data Acquisition system c) Computer -Lenovo	Tensile Test , Compression Test , Shear Test , Bending Test
		Izod Impact Testing Machine (Capacity -30 Kg)	Toughness Testing
		Spring Apparatus	Deflection of compression &Tensile Spring
		Torsion Test Apparatus	Twist of materials or bars

- **List of Experimental Setup in each Laboratory**

SN	Name of the Laboratory	Name of the Experiments	Facilities in laboratory
1	MOM LAB	Tension Test on Mild Steel Bar	Computerized Universal Testing machine
		Compression Test on Wooden Block	Computerized Universal Testing machine
		Shear Test on Metal	Computerized Universal Testing machine
		Modulus of Rupture Test	Computerized Universal Testing machine
		Torsion Test on Metals	Torsion Test Apparatus
		Impact Test on Metals	Izod Impact Testing Machine Apparatus
		Deflection of Springs	Spring Apparatus

SN	Name of the Laboratory	Name of the Major Equipments in each Laboratory	Facilities in laboratory
1	Material Science	Inverted Metallurgical Microscope	Experimental Set Up of Inverted Metallurgical Microscope
		Trinocular Microscope With CCTV Attach Camera	Experimental Set Up of Trinocular Microscope With CCTV Attach Camera
		Double Disc Polishing Machine	Experimental Set Up of Double Disc Polishing Machine
		Rockwell Hardness Testing Machine	Experimental Set Up of Rockwell Hardness

		Abrasive Belt Grinder Machine	Experimental Set Up of Abrasive Belt Grinder
		Muffle Furnace	Experimental Set Up of Muffle Furnace
		Trinoculer Metallurgical Microscope	Experimental Set Up of Trinoculer Metallurgical Microscopewith

SN	Name of the Laboratory	Name of the Experiments	Facilities in laboratory
1	Material Science	Preparation of specimen for micro-examination	Experimental Set Up of Inverted Metallurgical Microscope
		Study of effect of alloying elements on the properties of steels and H.S.S.	Experimental Set Up of Trinocular Microscope With CCTV attach Camera
		Preparation of specimen for micro-examination	Experimental Set Up of Double Disc Polishing Machine
		Study different heat treatment process for steel (Hardening and Tempering).	Experimental Set Up of Rockwell Hardness
		Preparation of specimen for micro-examination	Experimental Set Up of Abrasive Belt Grinder
		Study different Heat Treatment Process For steel (Annealing and Normalizing).	Experimental Set Up of Muffle Furnace
		Study of metallurgical microscope	Experimental Set Up of Trinoculer Metallurgical Microscope

SN	Name of the Laboratory	Name of the Major Equipments in each Laboratory	Facilities in laboratory
2	MESUREMENT SYSTEMS	Vibration MSMT (Piezoelectric Transducer)	Experimental Set Up of Vibration MSMT
		Speed Mesument Trainer (Magnet Ic Pick Up)	Experimental Set Up of Speed Mesument
		Vacuum Mesmnt Using (Macloyd Gauge)	Experimental Set Up Of Vacuum Mesmnt
		Angular Displacement Measurement	Experimental Set Up Of Angular Displacement
		Flowe Mesument Using Optical Transducer	Experimental Set Up Of Flowe Mesument
		Temperature Measurement By RTD Sensor	EXPERIMENTAL SET UP OF Temperature Measurement

SN	Name of the Laboratory	Name of the Experiments	Facilities in laboratory
2	Measurement Systems	vibration measurement	Experimental Set Up Of Vibration Msmt
		speed measurement by a stroboscope	Experimental Set Up Of Speed Mesument
		vibration measurement	Experimental Set Up Of Vaccum Mesmnt
		performance of capacitance transducer as angular displacement measuring device	Experimental Set Up Of Angular Displacement
		flow measurement	Experimental Set Up Of Flowe Mesument
		temperature measurement	Experimental Set Up Of Temperature Measurement

SN	Name of the Laboratory	Name of the Major Equipments in each Laboratory	Facilities in laboratory
3	Metrology Quality Control	Profile Projector	Experimental Set Up of Profile Projector
		Tool Makers Microscope &Th Ere Accessory	Experimental Set Up of Tool Makers Microscope
		Granite Surface Plate	Experimental Set Up of Granite Surface Plate
		Geartooth Vernier Callper	Experimental Set Up of Geartooth Vernier Callper
		Portable Digital Surface Roughness Tester (Surftest)	Experimental Set Up of Portable Digital Surface Roughness Tester
		Autocollimator	Experimental Set Up of Autocollimator
		Coating Thickness Gauge	Experimental Set Up of Coating Thickness Gauge
		Electronic Comparator	Experimental Set Up of Electronic Comparator
		Pneumatic Comparator	Experimental Set Up of Pneumatic Comparator

SN	Name of the Laboratory	Name of the Experiments	Facilities in laboratory
3	Metrology Quality Control	To Measure The Dimension of A Gear	Experimental Set Up of Profile Projector
		Measurement of Various Angles of A Single Point cutting Tool by Using Tool Makers Microscope.	Experimental Set Up of Tool Makers Microscope
		To Determine Pricision Angular Measurement Using Sine Bar.	Experimental Set Up of Granite Surface Plate
		To Measure The Dimension Of A Gear	Experimental Set Up of Geartooth Vernier Callper
			Experimental Set Up of Portable Digital Surface Roughness Tester
		To Determine Pricision Angular Measurement Using Sine Bar.	Experimental Set Up of Autocollimator
		To Determine Linear Measurement Using Vernier Height Gauge & Micrometer.	Experimental Set Up of Coating Thickness Gauge
		To Determine Linear Measurement Using Vernier Height Gauge & Micrometer.	Experimental Set Up of Electronic Comparator
		To Determine Linear Measurement Using Vernier Height Gauge & Micrometer.	Experimental Set Up of Pneumatic Comparator

SN	Name of the Laboratory	Name of the Major Equipments in each Laboratory	Facilities in laboratory
4	Refrigeration And Air-conditioning	Vapour Compression Refrigeration System	Experimental Set Up of Vapour Compression Refrigeration
		Window Ac Unit 1.5 Ton	Experimental Set Up of Window Ac
		Household Refrigerator	Experimental Set Up of Household Refrigerator
		Water Cooler Unit	Experimental Set Up of Water Cooler Unit
		Leak Testing & Charging Unit	Experimental Set Up of Leak Testing & Charging
		Dezart Cooler Unit	Experimental Set Up of Dezart Cooler

SN	Name of the Laboratory	Name of the Experiments	Facilities in laboratory
4	Refrigeration And Air-conditioning	Vapour Compression Refrigeration System	Experimental Set Up of Vapour Compression Refrigeration
		Study Of Window Ac	Experimental Set Up of Window Ac
		Study Of Household Refrigerator	Experimental Set Up of Household Refrigerator
		Study Of Water Cooler	Experimental Set Up of Water Cooler Unit
		Study Of Leak Testing & Charging	Experimental Set Up of Leak Testing & Charging
		Study Of Dezart Cooler	Experimental Set Up of Dezart Cooler

SN	Name of the Laboratory	Name of the Major Equipments in each Laboratory	Facilities in laboratory
5	Mechatronics	Pneumatic Training Kit	Experimental Set Up of Pneumatic Training
		Pneumatic Rotary Indexing Kit	Experimental Set Up of Pneumatic Rotary Indexing
		X-Y Position Table	Experimental Set Up of X-Y Position
		Sensor Trainer Kit Conveyer Station Kit	Experimental Set Up of Sensor

- **List of Major Equipment/Facilities in each Laboratory/Workshop**

SN	Name of the Laboratory	Name of the Major Equipments in each Laboratory	Facilities in laboratory
1	TOM LAB	a) Four Channel FFT Analyzer with Computer	Vibration Measurement Demonstration for students
		B) Vibration Analyses Machine	Determination of Inertia of Simple & Compound Pendulum Oil Damping , By filler Suspension
		C) Whirling Speed of Shaft	Experiment on Whirling Speed of Shaft.

SN	Name of the Laboratory	Name of the Major Equipments in each Laboratory	Facilities in laboratory
1	HT LAB	a)Heat Exchanger	Parallel Flow & Counter Flow Study & Perform
		B) Forced Convection Apparatus	Determination of HT Coefficient for Forced Convection

- **List of Experimental Setup in each Laboratory**

SN	Name of the Laboratory	Name of the Experiments	Facilities in laboratory
1	TOM LAB	Determination of Inertia of Simple & Compound Pendulum	Vibration Analyses Machine
		Determination of Gyroscopic Couple	Motorized Gyroscope
		Experiment on free & Damped Vibrations of systems with one degree of freedom	Vibration Analyses Machine
		Experiment on Whirling Speed of Shaft	Whirling Speed of Shaft Apparatus
		Experiment on Static & Dynamic Balancing of rotating masses	Balancing Apparatus

- **List of Experimental Setup in each Laboratory**

SN	Name of the Laboratory	Name of the Experiments	Facilities in laboratory
2	HT LAB	Determination of Thermal Conductivity of Metal bar.	Metal bar. Apparatus
		Determination o f Thermal Conductivity of Insulating Powder.	Insulating powder.Apparatus
		Determination of Heat Transfer Co-efficient for forced convection.	Forced convection Apparatus
		Determination of Heat Transfer Co-efficient for Natural Convection.	Natural convection. Apparatus
		Verification of Stefan Boltzman law.	Stefan boltzman Apparatus
		Study of heat Exchanger	Heat Exchanger

Workshop Details

SN	Name of the Laboratory	Name of the Major Equipments in each Laboratory	Facilities in laboratory
1	Machine Shop	Center Lathe – 23nos Universal Milling Machine – 03 nos Shaping Machine - 03 nos Grinding machines – 05 nos Radial Drilling Machine – 01 nos	Conventional machining facilities
2	Welding Shop	3 phase, Air cooled, Welding Transformer -01 Gas welding set up – 01 Single Phase Air Cooled Welding Transformer – 01 TIG/MIG Welding – 01 Plasma Welding – 01 Spot welding – 01	Arc/Gas/Spot/Plasma welding
3	Foundry and Smithy Shop	Furnace – 01 Foundry vice - 12	Casting facility
4	Carpentry and pattern making shop	Wood turning lathe – 01	Wood turning
5	Fitting and Sheet metal shop	Bench drilling machine – 01 Bench grinder - 01	Drilling, Grinding, Threading facilities

SN	Name of the Laboratory	Name of the Experiments	Facilities in laboratory
1	Workshop (WP)	Preparation of given job in fitting shop	Fitting processes facilities
2		Preparation of given job in carpentry shop	Wood working facilities
3		Preparation of given job in welding shop	Arc/Gas/Spot/Plasma welding
4		Preparation of given job in black smithy shop	Forging facility
5		Preparation of given job in tap and die shop	External and internal threading facility
6		Preparation of given job in sheet metal shop	Sheet metal operations facilities

SN	Name of the Laboratory	Name of the Experiments	Facilities in laboratory
1	Workshop (MP)	Preparation of mould in foundry shop	Mould preparation facility
2		Preparation of given job in pattern making shop	Wood turning and wood working facilities
3		Preparation of given job in welding shop	Arc/Gas/Spot/Plasma welding

SN	Name of the Laboratory	Name of the Experiments	Facilities in laboratory
1	Workshop (MT)	Preparation of given job in machine shop	Machining like drilling, shaping, milling, turning, facing etc facilities

❖ **Department of Computer Science and Engineering**

• **List of Major Equipment / Facilities in each Laboratory/Workshop**

Sr. No.	Name of the Laboratory	Major Equipment available in Laboratory
1	Object Oriented Programming Laboratory	1) PC: (LENOVO i5 12th GN./8GB RAM /1 TB SATA HDD/512 GB M2 SSD: - Qty: - 17 With Windows 10 Operating System and Quick Heal Antivirus): - 17 Qty 2) 10 KVA Online UPS With Batteries: - 01 Qty 3) Scanner (HP G2410): - 01 Qty 4) External DVD Writer LG: - 01 Qty 5) Network Rack with Network Switches 24 Port: - 04 Qty and Control /Patch Panel: - Qty: -04 6) All Computers in the Laboratory equipment with Internet facility /White board.
2	System Software Laboratory	1) PC: (LENOVO i5 12th GN./8GB RAM /1 TB SATA HDD/512 GB M2 SSD With Windows 10 Operating System and Quick Heal Antivirus): - 17 Qty 2) All Computers in the Laboratory equipment with Internet facility /White board.
3	DBMS Laboratory	1) HP Server – 01 2) Computer System Qty (LENOVO I3 (3G) /4GB RAM /500GB HDD, With Windows 10 Operating System and Quick Heal Antivirus) – 20 Qty 3) KVA Online UPS with Batteries: - 01 Qty 4) All Computers in the Laboratory equipment with Internet facility / LCD Projector / White board.
4	Beginners Laboratory	1) PC HP-i5 HPPro28049MT,12th Gen.DDR4 8GBRAm, 512NVM2280 M2PC SSD, Bluetooth/Wi-fi,19.5" LED Monitor with Windows 11 Operating System and Quick Heal Antivirus -20 Qty 2) PC Lenovo Intel 481 Chip Set Mother Board, 4gb DDR3 RAM,500GB SATA SDD, USB Mouse, Keyboard, 18.5 Inch LED Monitor, With Windows 10 Operating System and

		Quick Heal Antivirus -3 Qty 3) UPS- 5KVA Online Digital (Numeric) 4) Network Rack with Network Switches 24 port: - 03 Qty Control /Patch Panel: - Qty: -03 5) All Computers in the Laboratory equipment with Internet facility /White board.
5	Data Science Laboratory	1) PC Lenovo- i3 6h generation Model 8510 Tower Desktop core i3Processor, 4GB DDR4 RAM ,500 GB SATA HDD, USB Mouse, Keyboard,19.5" Inch LED Monitor, Windows 10 Operating System, and Quick Heal Antivirus -16Qty 2) PC LENOVO -V520 PC i5-12 GEN processor,6core 2.4GHZ/single module 4GB DDR4 RAM,1TB SATA HDD, 7200RPM 512 M2SSD19.5" Inch LED Monitor, Windows 10 Operating System, and Quick Heal Antivirus -2 Qty 3) UPS- 3KVA Online Digital (Numeric) 4) All Computers in the Laboratory equipment with Internet facility /White board.
6	Machine Learning & IOT Laboratory	1) PC Lenovo i36h generation Model 8510 Tower Desktop core i3Processor, 4GB DDR4 RAM ,500 GB SATA HDD, USB Mouse, Keyboard,19.5" Inch LED Monitor with Windows 10 Operating System and Quick Heal Antivirus-7Qty 2) PC Lenovo Think center i3Intel 2GB RAM,500GB HDD,18.5" TFT Monitor, With Windows 10 Operating System and Quick Heal Antiviru-1Qty 3) ML -IOTRaspberry Pi3&Pi4 Kit, Arduino sensor Kit-Base, & various type of Relay 4) UPS -3KVA Online Digital (Numeric) 5) All Computers in the Laboratory equipment with Internet facility /White board.

- **List of Experimental Setup in each Laboratory/Workshop**

Laboratory Name: Object Oriented Programming
Subject: Data Structures (3KS07)

EXP NO.	EXPERIMENT DESCRIPTION
01	Write a program to find out largest number from the array and also find itslocation.
02	Write a program to traverse an array and display square of each element.
03	Write a Program to a) Insert an element in an array. b) Delete an element from anarray.
04	To study and execute the Binary Searchmethod.
05	To study and execute Bubble sortmethod.
06	To study and implement various operations on singly linkedlist a) Traversing the linkedlist. b) Insert a node at the front of the linkedlist. c) Delete a last node of the linkedlist. d) Searching a Linkedlist. (Implement any two)
07	Understand the stack structure and execute the push, pop operation onit.
08	Understand the Queue structure and execute the insertion, deletion operation onit.
09	Understand the Tree structure and implement the Pre-order, In-order, post-order traversing operations on it.
10	Write a Program to implement the concept of BFSalgorithm.

Subject: Data Communication Network (4KS06)

EXP NO.	EXPERIMENT DESCRIPTION
01	To study various LAN topologies and their creation using network devices, cables and computers.
02	To connect the computers in Local Area Network.
03	Familiarization with Networking Components and devices: LAN Adapters, Hubs, Switches, Routers etc.
04	Write a program of bit stuffing used by Data Link Layer.
05	Write a program to implement CRC (Cyclic Redundancy Check)
06	Write a program to implement Checksum.
07	Write a program to implement Sliding window.
08	Write a C Program to determine if the IP Address is in Class A, B, C, D, or E.

Subject: C-Skill Lab-III (5KS09)

EXP NO.	EXPERIMENT DESCRIPTION
01	Study Node.js as an open-source server environment.
02	Write a program to print simple messages through node.js
03	Study HTTP module and working of Node.js as a web server
04	Write a program to demonstrate built-in module in Node.js
05	Write a program to construct custom module in Node.js
06	Write a program to underhand the working of file system.
07	Write a program that opens the requested file and returns the content of the file to the client. If anything goes wrong, throw a 404 error.
08	Write a program convert the output into upper-case letters by installing the "upper-case" package of NPM.

Subject: Software Engineering (6KS03)

EXP NO.	EXPERIMENT DESCRIPTION
01	Identifying the Requirements from Problem Statements Requirements, Characteristics of Requirements, Categorization of Requirements, Functional Requirements, Identifying Functional Requirements
02	Estimation of Project Metrics Project Estimation Techniques, COCOMO, Basic COCOMO Model, Intermediate COCOMO Model, Complete COCOMO Model, Advantages of COCOMO, Drawbacks of COCOMO, Halstead's Complexity Metrics
03	Modeling UML Use Case Diagrams and Capturing Use Case Scenarios Use case diagrams, Actor, Use Case, Subject, Graphical Representation, Association between Actors and Use Cases, Use Case Relationships, Include Relationship, Extend Relationship, Generalization Relationship, Identifying Actors, Identifying Use cases, Guidelines for drawing Use Case diagrams
04	E-R Modeling from the Problem Statements Entity Relationship Model, Entity Set and Relationship Set, Attributes of Entity, Keys, Weak Entity, Entity Generalization and Specialization, Mapping Cardinalities, ER Diagram, Graphical Notations for ER Diagram, Importance of ER modeling
05	State chart and Activity Modeling State chart Diagrams, Building Blocks of a State chart Diagram, State, Transition, Action, Guidelines for drawing State chart Diagrams, Activity Diagrams, Components of an Activity Diagram, Activity, Flow, Decision, Merge, Fork, Join, Note, Partition, A Simple Example, Guidelines for drawing an Activity Diagram
06	Modeling UML Class Diagrams and Sequence diagrams Structural and Behavioral aspects, Class diagram, Elements in class diagram, Class, Relationships, Sequence diagram, Elements in sequence diagram, Object, Life-line bar, Messages
07	Modeling Data Flow Diagrams Data Flow Diagram, Graphical notations for Data Flow Diagram, Explanation of Symbols used in DFD, Context diagram and leveling DFD
08	Estimation of Test Coverage Metrics and Structural Complexity Control Flow Graph, Terminologies, McCabe's Cyclomatic Complexity, Computing Cyclomatic Complexity, Optimum Value of Cyclomatic Complexity, Merits, Demerits
09	Designing Test Suites Software Testing, Standards for Software Test Documentation, Testing Frameworks, Need for Software Testing, Test Cases and Test Suite, Types of Software Testing, Unit Testing, Integration Testing, System Testing, Example, Some Remarks.

Laboratory Name: System Software
Subject: Object Oriented Programming (3KS06)

EXP NO.	EXPERIMENT DESCRIPTION
01	Write a Java program to check whether the given integer number is odd or even.
02	Write a Java program to demonstrate the declaration and scope of local, instance and static variables.
03	Write a menu driven Java program to demonstrate searching & sorting list of integer number in an array.
04	Write a Java program to demonstrate the concept of method overriding.
05	Write a menu driven Java program to demonstrate the different uses of super keyword in Inheritance.
06	Write a program to demonstrate the concept of defining and using user defined package in Java program.
07	Write a Java program to implement multiple inheritance using Interface.
08	Write exception handling Java program to demonstrate the concept of try with multiple catch.
09	Write a Java program to write a character, string, & array of characters into a file. (Use FileWriteclass)
10	Write an Applet Java program to display various shapes in applet window

Subject: Operating System (4KS04)

EXP NO.	EXPERIMENT DESCRIPTION
01	To study Linux Operating System along with its installation.
02	To simulate First Come First Serve process scheduling algorithm.
03	To simulate Shortest Job First process scheduling algorithm.
04	To simulate Pre-emptive Shortest Job First process scheduling algorithm.
05	To implement Round Robin Process Scheduling Algorithm.
06	To implement Priority Based Process Scheduling Algorithm.
07	To implement the FIFO page replacement policy.
08	To implement the LRU page replacement policy.
09	To implement FCFS Disk Scheduling algorithm.
10	To implement SCAN Disk Scheduling algorithm.
11	To implement C-SCAN Disk Scheduling algorithm.
12	To implement Dining-Philosophers problem to deal with concurrency control mechanism.

Subject: Compiler Design (5KS07)

EXP NO.	EXPERIMENT DESCRIPTION
01	Write a C Program to Scan and Count the number of characters, words, blank spaces and lines in a given file. (Input File Name: abc.txt)
02	Write a C program to identify whether a given line is a comment or not.
03	Write a LEX Program to Scan and Count the number of characters, words, blank spaces and lines in a given file. (Input File Name: abc.txt)
04	Write a C Program to implement DFA. Shows a DFA recognizes the language represented by regular expression (a|b)*abb (First draw NFA and then convert into equivalent DFA and write code to simulate DFA)
05	Write a simple LEX program, that will count & Remove comments from a given text file "Text.c" and write into file "New.txt"
06	Study experiment of Lex tool in Compiler design.
07	Study experiment of Yacc tool in Compiler design.
08	Write a simple YACC program to implement and design a simple calculator to recognize the tokens defined by the given grammar. **E -> E + E | E * E | (E) | digit | id**

Subject: Introduction to Cyber Security (5KS08)

EXP NO.	EXPERIMENT DESCRIPTION
01	Study various types of cybercrimes.
02	D Demonstrate target's information gathering using websites (min. 4) such as http://dnscheck.tool http://cqcounter.com https://www.virustotal.com https://haveibeenpwned.com https://who.is/whois/domainname https://www.yougetsignal.com
03	Demonstrate target's information gathering by using some basic (min. 4) & advanced(min. 4) google operators such as

Experiment 03 table:

Basic Operators	i) +	ii) -	iii) .	
	iv) *	v) " "	vi) \	ii) Vii) OR
Advanced Operators	i) filetype	ii) allintitle	iii) inurl	
	iv) site	v) phonebook	vi) related	

EXP NO.	EXPERIMENT DESCRIPTION
04	Demonstrate hiding secrete information using steganographic tool (Xiao) and without using steganographic tool (copy /b abc.rar + pqr.jpg xyz.jpg).
05	Setup virtual machine and installation of Kali Linux on windows O.S.
06	Study and demonstrate various Kali Linux commands (min. 10).
07	Study and demonstrate phishing attacks using social engineering toolkit (setoolkit).
08	Study and demonstrate SQL injection.
09	Study and demonstrate the use of Nmap tool.
10	Demonstrate how to find your lost android mobile using Android Mobile Manager.

Subject: EMERGING TECHNOLOGY LAB IV – Blockchain Fundamentals (7KS08)

EXP NO.	EXPERIMENT DESCRIPTION
01	Study of Blockchain Technology, types of Blockchain, Centralized versus Decentralized systems, cryptography and consensus mechanism. Exploration of tools required to develop and deploy simple smart contract.
02	Setup Blockchain environment on your M/C by installing following software 1. Nodejs and Visual Studio Code (VS Code) 2. Local blockchain (Ganache) , truffle framework and Infura(blockchain development suit) 3. Metamask and Geth
03	Write a simple program in JavaScript to create chain of at least five blocks containing one genesis block and other four blocks connected by hash function.
04	Study of Remix IDE, Solidity programming language, Cold/Hot wallets, Use cases of blockchain and Public VS Private blockchain.

05	Demonstrate the programming structure of Solidity with Syntax and Semantics.
	Write a Solidity program to
	   1. Perform Arithmetic Operations.
	   2. Perform Looping Statements.
	   3. Implement Cryptographic Function.
	   4. Implement Smart Contract creation.
	Implement Restricted Access to a Contract.

06	Write a simple smart contract to transfer ether from one account to another account then Compile, Deploy and Debug this contract using Hardhat.
07	Develop and test smart contracts using Ganache, Metamask and truffle.
08	Design and develop fullistack decentralized app (like lottery, crowd funding) using Solidity, Ether.js, Hardhat and React.js.

Subject: EMERGING TECHNOLOGY LAB VI – DLT (8KS06)

EXP NO.	EXPERIMENT DESCRIPTION
01	Studying Distributed Ledger Technology and its related sub-techniques, along with installing the LTS version of Ubuntu O.S. on VirtualBox in Windows 10 for virtualization.
02	Investigating and setting up Docker and Docker Compose on the Ubuntu platform.
03	Installation of Prerequisites for Hyperledger Fabric: cURL, Node.js, NPM, Go, Git, Python, and Libtool, Followed by Hyperledger Fabric Network Configuration.
04	Constructing the initial Hyperledger Fabric network and deploying the chaincode (smart contract) onto this network.
05	Exploration and installation of the MultiChain Blockchain platform, creating a stream, and demonstrating its utility for general data storage and retrieval.
06	Demonstrating the secure sharing of PDF documents among MultiChain blockchain nodes with exclusive permissions.
07	Exploring asset transfer using MultiChain Blockchain and studying the installation process of Hydra Blockchain.
08	Creating a Private Blockchain with the Geth Client and Initiating Ether Mining on the Network.

Subject: EMERGING TECHNOLOGY LAB V – SSS (8KS05)

EXP NO.	EXPERIMENT DESCRIPTION
01	InstallationofKaliLinuxPenetrationTestingLinuxdistributionon virtual box.
02	Study and demonstrate following networking commands on Kali Linux:(i)ping (ii) traceroute (iii) unzip (iv) chmod (v) sudo(vi) passwd (vii) ps (viii) grep (ix) echo
03	StudyaboutWiresharktool(WhatisWireshark?Wireshark features, who use wireshark? etc.).
04	DemonstratepacketcapturingusingWiresharktool.
05	Demonstratethefollowingpacketanalyzingtaskoncaptured packet file using Wireshark (Challenge1.pcap): FindoutwhatHOST isusinginpcapfile? What other information you can get from same pcap file about host?
06	Demonstratethefollowingpacketanalyzingtaskonanother captured packet file(c1.pcap): Howmany pingrequests weresent inthe c1.pcapcapture? What is the IP address of device associated with08:00:27:4b:e3:60?
07	Demonstratethefollowingpacketanalyzingtasksoncapturedpacket file(c1.pcap). Whatversionof IGMP(InternetGroupManagementProtocol) is in use? Whatisthe nameofthehostlocatedat 10.0.2.22? Whatisthe nameofthehostlocatedat 10.0.2.15?
08	Demonstratethefollowingpacketanalyzingtaskoncaptured packet file(c1.pcap).Whatisthe IPaddress ofthe attacker?

Laboratory Name: Database Management System
Subject: C-Skill-Lab I (3KS09)

EXP NO.	EXPERIMENT DESCRIPTION
1	Write python program to store data in list and print list of numbers.
2	Write a program to create, concatenate and print a string and accessing sub-string from a given string.
3	Write a program to create, append, and remove lists in python.
4	Write a program to demonstrate working with tuples in python.
5	Write a program to demonstrate working with set in python.
6	Write a program to demonstrate working with dictionaries in python.
7	Write a python program to find largest of three numbers.
8	Write a python program to find factorial of a number using function.
9	Write python program in which a class is define, then create object of that class and call simple print function define in class.
10	Write a python program to sort a list of tuples using Lambda.

Subject: DBMS (5KS06)

EXP NO.	EXPERIMENT DESCRIPTION
01	Introduction to Database System, Structured Query Language (SQL), installation procedure of MySQL on Ubuntu and also write SQL queries to implement Data Definition Language commands.
02	Write SQL queries to implement Data Manipulation Language commands
03	Perform the operations based on select command using where, group by, order by and having clause to retrieve data from database.
04	Perform basic operations using arithmetic, comparison, and logical operators.
05	Perform the operation to combine rows from two or more tables, based on a related column between them using JOIN clause.
06	Create the database Trigger in SQL.
07	Implement Transaction Operations (Commit, Rollback, and Savepoint)
08	Implement lock-based protocols for concurrency control.
09	Develop an application to retrieve the information by connecting to the database using a host language (JAVA, C, C++).

Subject: Data Science & Statistics (5KS08)

EXP NO.	EXPERIMENT DESCRIPTION
01	To study Python basics and its libraries for Data Science.
02	To compute Summary statistics (mean, median, minimum, maximum, standard deviation) for a dataset (age, income etc.) with numeric variables grouped by one of the qualitative (categorical) variable. For example, if your categorical variable is age groups and quantitative variable is in come, then provide summary statistics of in come grouped by the age groups. Create a list that contains a numeric value for each response to the categorical variable [Perform the operations on any open source dataset(e.g., data.csv)]
03	To develop Python program to display some basic statistical details like percentile, mean, standard deviation etc. of the species of 'Iris-setosa', 'Iris-versicolor' and 'Iris-versicolor' of iris.csv dataset.
04	To understand Linear Regression and its implementation in Python Programming Language.
05	To understand Multilinear Regression and its implementation in Python Programming Language.
06	To understand and learn about Logistic regression algorithm and its implementation in Python Programming Language.
07	To understand and learn about Decision Tree algorithm and its implementation in Python Programming Language.
08	To understand and learn about Naïve Bayes Classifier algorithm and its implementation in Python Programming Language.

Subject: COMPUTER GRAPHICS (7KS06)

EXP NO.	EXPERIMENT DESCRIPTION
01	Write a program to draw line using DDA algorithm.
02	Write a program to draw circle using Bresenham's algorithm.
03	Write a program for 2-D transformations, a) Scaling b) Translation c) Rotation
04	Write a program for 3-D transformations, a) Scaling b) Translation c) Rotation
05	Write program to fill polygon using scan line algorithm.
06	Write a program to draw line using Bresenham's algorithm
07	Write a program to draw following type of curve-Hilbert's Curve.
08	Write a program of man walking in rain
09	Write a program to fill colour in rectangle.
10	Write a program to draw a house
11	Write a graphics program analog clock.
12	Write a program for moving a cycle

Subject: Data Warehouse and Mining(7KS07)

EXP NO.	EXPERIMENT DESCRIPTION
01	StudyofWEKAasadataminingtool.
02	WriteaprogramtoconvertdatasetintoattributerelationfileformatusingWEKAtool.
03	WriteaprogramtoapplyPre-ProcessingtechniquestothetrainingdatasetinWEKA.
04	WriteaprogramtoapplyPre-ProcessingtechniquesformissingvaluesinWEKA.
05	WriteaprogramtoapplyclassificationtechniqueforgivendatasetinWEKA
06	WriteaprogramtoapplyclusteringtechniqueforgivendatasetusingWEKATool
07	WriteaprogramtofindassociationruleinagivendatasetusingWEKAtool.
08	StudyDataCubeorOLAPapproachindatamining

Subject: Microprocessor & Assembly Language Programming (4KS08)

EXP NO.	EXPERIMENT DESCRIPTION
01	Installation and Introduction of TASM Assembler.
02	Write a program for addition of two 8-bits numbers and two 16-bits numbers.
03	Write a program for subtraction of two 8-bits numbers and two 16-bits numbers.
04	Write a program for multiplication of two 8-bits numbers.
05	Write a program for division of two 8-bits numbers.
06	Write a program to demonstrate Logical Group Instructions.
07	Write a program to Transfer block of data from one location to another.
08	Write an assembly language program to arrange the given numbers in descending order.
09	Write a program to find Factorial of a number using loop instruction.
10	Write a program to find cube of a given number using Subroutine.

Subject: C-Skill-Lab-IV (6KS09)

EXP NO.	EXPERIMENT DESCRIPTION
01	TostudydifferentLinuxCommands.
02	Studypracticaloninstallationofjava,TomcatServer.
03	Study practical on software development life cycle.
04	TostudypracticalonDevOpslifecycle&stages
05	TosetupandconfigureofJenkins.
06	TocreateJobandmanageitusingJenkins
07	To experiment plugin managementwithJenkins
08	TostudyanddemonstrateUserrolecreationandmanagementusingJenkins.

Subject: Design And Analysis of Algorithms (DAA) (6KS06)

EXP NO.	EXPERIMENT DESCRIPTION
01	To study various algorithm designing strategies.
02	Write a program to sort numbers using bubble sort technique and analyze its time complexity.
03	Write a program to implement merge sort using divide and conquer technique and analyze its time complexity.
04	Write a program to implement knapsack problem using greedy method.
05	Write a program to implement Prim's algorithm using greedy method.
06	Write a program to implement traveling salesman problem using dynamic programming.
07	Write a program to implement search and traversal using backtracking approach.
08	To study polynomial time and non-polynomial time algorithms.

Subject: BIG DATA ANALYTICS(PE-II) (6KS08)

EXP NO.	EXPERIMENT DESCRIPTION
01	Study Python Basics along with environmental Setup.
02	WAP to apply Python libraries including Scipy, Pandas, Numpy and Matplotlib.
03	WAP to process Data in using CSV, JSON and xls files.
04	WAP to Visualize data using any plotting framework.
05	WAP to analyze statistical data by measuring central tendency and variance.
06	WAP to calculate P value for Hypothesis.
07	WAP to implement Linear Regression using Seaborn Library.
08	*Study of Hadoop architecture including HDFS, YARN and MAPREDUCE.*

Subject: MACHINE LEARNING & AI (8KS05)

EXP NO.	EXPERIMENT DESCRIPTION
01	To Study of Python Libraries for ML applications such as Pandas, Numpy, and Matplotlib
02	To study the procedure required for implementation of project
03	Study and implement different preprocessing techniques
04	Implementation of Logistic Regression using sklearn and its Performance Evaluation
05	Implementation of KNN using sklearn and its performance evaluation
06	Implementation of Decision Tree using sklearn and its performance evaluation
07	Implementation of SVM using sklearn and its performance evaluation
08	Implementation of Random Forest using sklearn and its performance evaluation
09	Implementation of Linear Regression
10	Implementation of end-to-end project using ML

Laboratory Name: Beginners Lab
Subject: COMPUTER PROGRAMMING (CP) (1A8)

EXP NO.	EXPERIMENT DESCRIPTION
01	**To Study of Fundamental of the Computer and Computing Concepts.** a. Basic anatomy of computer system (Block Diagram). b. Types of software c. Various Networks and Topologies
02	Write a program to convert a given distance in kilometers to meters using function.
03	Write a program to find the smallest of three numbers using conditional operator.
04	Write a program to create a calculator using switch-case statement.
05	Write a program to find the average of first N natural numbers using looping statements.
06	Write a program to find largest element in an array and print its location.
07	Write a program to perform various operations on string using string library functions.
08	Write a program to create the array of structure of books having following fields i) Book ID ii) Book Name iii) Author Name iv) Cost of book After this display information of all books and total cost of the books on the screen.
09	Write a program to print the values and addresses of the variables in a program using pointers.
10	Write a program to copy contents of one file to another file using file handling concept.

Laboratory Name: Data Science
Subject: C-Skill-Lab-II (4KS09)

EXP NO.	EXPERIMENT DESCRIPTION
01	Introduction to PHP and configure it to work with Apache Web Server.
02	Design web pages for your college containing a description of the courses, departments, faculties, library etc., use href, list tags.
03	Create your class timetable using table tag.
04	Create user Student feedback form (use textbox, text area , checkbox, radio button, select box etc.)
05	Develop JavaScript to display today's date.
06	Write a JavaScript to design simple calculator to perform the following operations: sum, product, difference and quotient.
07	Write a PHP program to keep track of the number of visitors visiting the web page and to display this count of visitors, with proper headings
08	Write a PHP program to display a digital clock which displays the current time of the server.
09	Write the PHP programs to do the following: a. Implement simple calculator operations. B. Find the transpose of a matrix.
10	Write a PHP program to sort the student records which are stored in the database using selection sort.

Laboratory Name: Data Science
Subject: ET-II- Cryptography(6KS06)

EXP NO.	EXPERIMENT DESCRIPTION
01	Implement **"Caesar cipher"** substitution technique of cryptography (C/ C++/ Java/Python).
02	Implement a **"rail-fence cipher"** transposition technique of cryptography (C/ C++/ Java/Python).
03	Demonstrate Installation and configuration of Add-on extensions for browsers like Mozilla Firefox, Google chrome (e.g. Ad Guard **Ad Blocker**, u Block Origin, Privacy Badger etc, implementation of any 3).
04	Demonstrate Creation of tiny URLs using various tools like (i) Tiny URL (ii) **Check Short Url** (**iii**) trib.al etc
05	Install Vera Crypt tool and demonstrate encryption and decryption of file.
06	Demonstrate Encryption and Decryption of drive using VeraCrypt tool.

07	Install Jcrypt tool and demonstrate Encryption and decryption using Symmetric key Cryptographic Algorithm.
08	Use Jcrypt tool to demonstrate Encryption and Decryption using Asymmetric key Cryptographic Algorithm.
09	Identify tools and demonstrate Hash Algorithm (MD-5, SHA-256), Digital Signature Algorithm (DSA) using tool.
10	Study the features of firewall in providing network security and to set firewall security in windows.

Laboratory Name: Data Science
Subject: OBJECT ORIENTED PROGRAMMING(3ETC08)

EXP NO.	EXPERIMENT DESCRIPTION
01	Write a C++ program to swap two variables a) Using third variable b) Without using third variable.
02	Write a C++ program using scope resolution operator.
03	Write a program to demonstrate the use of classes and object.
04	Write a C++ program using function overloading and constructor overloading
05	Write a C++ program using Friend function
06	Write a C++ program to overload unary operator for inverting the value of data variable using member function.
07	Write a program in C++ to demonstrate multiple inheritances.
08	Write a program in C++ to demonstrate multilevel inheritance.
09	Write a java program to Calculate Circle Area using Java
10	Write a java program to find the largest and smallest number in an array using java.

❖ **Department of Information Technology**

• **List of Major Equipment / Facilities in each Laboratory/Workshop**

SN	Laboratory	Available Resources
1	DMC Laboratory	**COMPUTER SYSTEMS: 25 Nos.** HP COPUMPTER SYSTEM PCS510 TOWER MODEL GEN6 H110 INTEL i5 PROCESSOR /8 GB RAM/500 GB SATA HHD/20 hp MONITOR/USB WIRED KEYBOARD & OPTICAL MOUSE. **COMPUTER SYSTEMS: 15 Nos.** LENOVO COPUMPTER SYSTEM PCS510 TOWER MODEL GEN6 H110 INTEL i3 PROCE4SSOR/4 GB RAM/500 GB SATA HHD/19.5 LED LENOVO MONITOR/USB WIRED KEYBOARD & OPTICAL MOUSE **Oasis Embedded System kits: 08** ARM7, ARM7 Board with Software: 07
2	Programming Laboratory	**NVIDIA** TESLA GPU Cards, DICA Kits, XPO 8086 Microprocessor Kits with Study Cards **LCD** Projector **UPS**: 5 KVA WITH BATTERIES (Two in number)
3	AI Laboratory	COMPUTER SYSTEMS: 16 **HP-280G1 Business Desktop, Intel Core i3-4160, 3.6 GHz, 4 GB DDR3 RAM, 500 GB HDD, HP- Compaq 18" Monitors with USB Keyboards and Mouse** PRINTER **: DOT MATRIX PRINTER LQ-1150** UPS:1**0 KVA WITH BATTERIES (Two in number)**
4	WEBTECH	COMPUTER SYSTEMS: 17**: HP-280G1 Business Desktop, Intel Core i3-4160, 3.6**

	Laboratory	GHz, 4 GB DDR3 RAM, 500 GB HDD, HP- Compaq 18" Monitors with USB Keyboards and Mouse PRINTER **: DOT MATRIX PRINTER LQ-1150** UPS:1**0 KVA WITH BATTERIES (Two in number)**
5	Operating System Laboratory	**COMPUTER SYSTEMS: 15** Lenovo ThinkCentre model number M72 series, Intel Core i3 2120 processor (2nd Gen), Intel motherboard, USB Keyboard and Mouse,2GB DDR 3 RAM, 500 GB HDD 7200 RPM, DVD RW, PCI/PCI-E, Tower 4*3, 18.5" TFT Monitor **UPS:**10 KVA WITH BATTERIES (One in number)
6	Hardware Laboratory	COMPUTER SYSTEMS: 10 **LENOVO COPUMPTER SYSTEM PCS510 TOWER MODEL GEN6 H110 INTEL i3 PROCESSOR/4 GB RAM/500 GB SATA HHD/19.5 LED LENOVO MONITOR/USB WIRED KEYBOARD & OPTICAL MOUSE** UPS:**10 KVA WITH BATTERIES (One in number)**

- **List of Experimental Setup in each Laboratory/Workshop**

Laboratory Name: DMC Laboratory
Subject: DCN (4IT06)

EXP NO.	EXPERIMENT DESCRIPTION
1	To study various Computer Network Topologies
2	To study Conversion of Digital to Digital, Analog to Digital and Digital to Analog Techniques.
3	Design & implement a Local Area Network (LAN) that connect multiple computers and share files between connected computers.
4	To study and implement network commands and network configuration commands (for Windows OS).
5	To Install Wireshark Network Analyzer tool and Inspect its basic operation.
6	To study and Implement analyzing data packets using Wireshark Network analyzer.
7	To install & study Ping Test Utility Tool.
8	To demonstrate & study various networking devices like switch, router etc.

Subject: C-Skill LAB-III (5IT09)

EXP NO.	EXPERIMENT DESCRIPTION
1	Introduction to Angular and TypeScript
2	Working with Project Files and TypeScript Compilation in Angular.
3	Demonstration of Components, Templatesof Angular
4	Data rendering and events handling in angular
5	Building reusable components
6	Controlling and rendering of HTML
7	Designing and working with Template Driven Forms
8	Designing and working with Model Driven Forms

Subject: Big Data Analytics (6IT08)

EXP NO.	EXPERIMENT DESCRIPTION
1	To setup the necessary environment for experiments in R.
2	To perform data analysis using MS-Excel.
3	To declare variable, expression, function and execute R script.

4	To create list and perform various operations on it.
5	To manipulate & process data in R.
6	To perform data visualization in R.
7	To perform file handling in R.
8	To Implement a big data mining algorithm in R.

Laboratory Name: Programming Laboratory
Subject: Assembly Language Programming (3IT08)

EXP NO.	EXPERIMENT DESCRIPTION
1	Assembling and executing the various Debug commands.
2	Write a program in TASM to manipulate the two given operands with general arithmetic operators +, - and store the result at the given location.
3	Write a program in TASM to manipulate the two given operands with general arithmetic operators *, / and store the result at the given location.
4	Write a program in TASM to store given a number XY i.e. 0X in BX register and 0Y in CX register.
5	Write a program in TASM to transfer a block of data from one memory location to other.
6	Write a program in TASM to arrange given series of hexadecimal bytes in ascending order.
7	Write a program in TASM to find the factorial of a given number using Macro.
8	Write a program in TASM to find square of a given number using Subroutine.

Subject: C Skill Lab-II (4IT09)

EXP NO.	EXPERIMENT DESCRIPTION
1	To study the basic fundamental of web development and create a simple webpage by using basic html tags.
2	Design webpage by using text level tags and list tags.
3	Create your class time table using table tag.
4	Create your resume using HTML tags and CSS also experiment with colors, text, link, size etc.
5	Create Registration form (Use textbox, textarea, checkbox, radio button, select box etc.) (Use internal CSS)
6	Design web page for your college containing a description of course, department, faculties, library etc. (Use internal CSS)
7	Develop a JavaScript program to display today's date.
8	Develop a JavaScript program to design simple calculator to perform the following operation addition, subtraction, Multiplication and Division.
9	Develop a JavaScript program to create responsive webpage and use local and session Storage.
10	Mini-Project

Subject: Embedded System (7IT06)

EXP NO.	EXPERIMENT DESCRIPTION
1	Study of ports and different registers of the ARM processor. (Two ports and IOPIN, IOSET, IODIR, IOCLR registers)
2	Study of Real-Time Embedded System. (What is Embedded System, Application, Classification)

3	**a)** Write a program to create a single task to operate LED. **b)** Write a program to create a single task to operate 7-segment LED. **c)** Write a program to create a single task to operate HyperTerminal.
4	Write a program to create three different tasks and context switching between these three tasks using different peripherals. (In theory write what is task, multitasking & context switching)
5	Write a program to display messages on hyper-terminal without semaphores. (In theory, write what the problems identified without semaphore)
6	Write a program to display messages on the hyper terminal with semaphores. (In theory, write what is meant by semaphore and its advantages)
7	Write a program for the creation of a Mailbox and posting of messages from one task and receiving the message in another task. (What are Mailbox and its use)
8	Write a program to detect whether a specific key is pressed or not.
9	Write a program to operate external peripherals using Relays

Laboratory Name: AI Laboratory
Subject: Object Oriented Programming (3IT06)

EXP NO.	EXPERIMENT DESCRIPTION
1	Write a Java program to demonstrate following concepts : A] Data declaration B] Data initialization C] Data conversion
2	Write Java program to find: A] Reverse of number. B] Palindrome number. C] Armstrong number.
3	Write Java Program to implement initialization of a object
4	Write Java program to demonstrate this keyword.
5	Write a simpleJava applet to draw a circle on every corner of a square.
6	Write a Java program to draw a circle every time when the mouse is clicked.
7	Write a Java program to demonstrate access modifiers and user defined packages.
8	Write Java program to demonstrate following of operation on file : A] Creating a new file B] Writing in a file C] Reading an existing file D] Deleting a file
9	Write Java program to implement the frames.

Subject: DSS (5IT08)

EXP NO.	EXPERIMENT DESCRIPTION
01	Installation of Anaconda and Jupyter Notebook for using Python
02	Study and Implement of NumPy Library Functions
03	Study and Implementation of Pandas Library Functions in Python
04	Pandas Join implementation on Data Frame
05	Study and implantation of null value analysis on Data Frame
06	Study and Implementation of various plots using MatplotLib.
07	To perform Linear Regression Model and Evaluate its Performance
08	To perform Logistic Regression for Classification and Evaluate its Performance

Subject: C-Skill Lab-IV (6IT09)

EXP NO.	EXPERIMENT DESCRIPTION
01	WriteaProgramto ImplementTic-Tac-Toegame usingPython
02	Write a Program to Implement Breadth First Search using Python
03	Write a a Program to Implement Depth First Search using Python
04	Write a Program to Implement 8-Puzzle problem using Python
05	Write a Program to Implement Water-Jug problem using Python
06	Write a program to implement A* Algorithm using Python
07	Program to implement Informed Search Technique: AO* Algorithm
08	Write a Program to implement Local Search Technique: Hill Climbing Algorithm

Subject: Blockchain Fundamentals (7IT08)

EXP NO.	EXPERIMENT DESCRIPTION
1	Study of Cryptographic Primitives Part I -Symmetric & Asymmetric Cryptographic Algorithm.
2	Study of Cryptographic Primitives Part II- MAC,SHA256, Digital Signature, Merkel Tree.
3	Visual demonstration of Block chain.
4	Write a program to create chain of at least 3 block containing one Genesis blocks & all others blocks are connected by hash function.
5	Demonstration of Metamasks.
6	Compilation & deployment of Smart Contract in Solidity using Remix IDE
7	Demonstration of Dapps
8	Study of alternative Blockchain

Subject: Virtual & Augmented Reality (8IT06)

EXP NO.	EXPERIMENT DESCRIPTION
1	Installation of VRML browser. Write a program in VRML to display sphere on the screen.
2	Write a program in VRML for positioning of shapes.
3	Write a program in VRML to view prototype of table with variable color for legs and top.
4	Installation of Java and Java3D .Write a program Java 3D for display glowing cube.
5`	Write a program in Java3D to display Ball lit by a red light.
6	Write a program in Java3D to create a canvas in a frame with labels at top and bottom
7	Write a program in Java3D for a bouncing Ball.
8	Study Head Mounted Display.

Laboratory Name: WEBTECH Laboratory

Subject: Data Structure (4IT08)

EXP NO.	EXPERIMENT DESCRIPTION
01	Write a program to implement Bubble Sort.
02	Write a program for Binary Search.
03	Write a program to insert and delete an element from given array.
04	Write a program to perform various operations on stack.
05	Write a program to perform various operations on Queue.
06	Write a program to implement Tower of Hanoi problem.
07	Write a program to implement Selection sort.
08	Write a program to create binary search tree of characters.
09	Write a program to implement Quick sort.

Subject: Database Management System (5IT06)

EXP NO.	EXPERIMENT DESCRIPTION
1	To study different database systems
2	To study DDL commands in SQL
3	To study DML commands in SQL
4	To write basic SQL Select statements
5	To display data from multiple tables
6	To aggregate data using group functions
7	To study different types of subqueries
8	To study different constraints in SQL

Subject: Compiler Design (6IT06)

EXP NO.	EXPERIMENT DESCRIPTION
1	Design a lexical analyzer for a given language and the lexical analyzer should ignore redundant spaces, tabs, and newlines.
2	Design a C program to identify whether a given line is a comment or not.
3	Design a C program to recognize strings under 'a*', 'a*b+', 'abb'.
4	Design a C program to test whether a given identifier is valid or not.
5	Design a C program to simulate a lexical analyzer for validating operators.
6	Design a LEX Program to scan reserved words and Identifiers of C Language.
7	Design a Predictive Parser for the given language.
8	Design a LEX Program to convert the substring 'abc' to 'ABC' from the given input string.
9	Design a C program to generate three address codes.

Subject: Date Warehousing & Mining (7IT07)

EXP NO.	EXPERIMENT DESCRIPTION
1	Installation of WEKA Tool
2	Creating new Arff File using WEKA tool
3	Apply Pre-Processes Techniques on Data Set using WEKA tool
4	Pre-process a given dataset based on Handling Missing Values using WEKA tool
5	Generate Association Rules using the Apriori algorithm using WEKA tool
6	Generating association rules using fp growth algorithm using WEKA tool
7	Apply Naive bayes classification on a given data set using WEKA tool
8	Apply k-means clustering on a given data set using WEKA tool
9	Calculating Information gains measures using WEKA tool

Laboratory Name: Operating System Laboratory
Subject: C Skills Lab-I (3IT09)

EXP NO.	EXPERIMENT DESCRIPTION
1	Write python program to store data in list and then try to print them.
2	Write python program to print list of numbers using range and for loop
3	Write python program to store strings in list and then print them.
4	Write python program in which an function is defined and calling that function prints HelloWorld
5	Write a python script to print the current date in the following format "Sun May 29 02:26:23 IST 2017"
6	Write a program to create, append, and remove lists in python.
7	Write a program to create, concatenate and print a string and accessing sub-string from a given string.
8	Write a program to demonstrate working with tuples in python.
9	Write a program to demonstrate working with dictionaries in python.

10	Write a python program to find largest of three numbers.
11	Write python program in which an function(with single string parameter) is defined and calling that function prints the string parameters given to function.
12	Write python program in which an class is define, then create object of that class and call simple print function define in class.
13	Write a Python script that prints prime numbers less than 20.
14	Write a python program to find factorial of a number using Recursion.
15	Write a python program to print pyramid of star
16	Write a python program to Convert Celsius To Fahrenheit

Subject: Operating Systems (4IT07)

EXP NO.	EXPERIMENT DESCRIPTION
01	To study of basic Commands in Linux Operating System.
02	To study shell scripting in Linux Operating System.
03	Write a program to create a new process
04	Write a program to implement multithreading
05	Write a program to implement FCFS CPU scheduling algorithms.
06	Write a program to implement SJF CPU scheduling algorithms.
07	Write a program to implement First Fit contiguous memory allocation algorithms.
08	Write a program to implement Best Fit contiguous memory allocation algorithms.
09	Write a program to implement FIFO page replacement algorithm.

Subject: DAA (6IT07)

EXP NO.	EXPERIMENT DESCRIPTION
01	To study various algorithm designing strategies
02	To study and Implement effective bubble sort algorithm
03	To study and Implement divide and conquer technique
04	To study and implement merge sort Algorithm
05	To study and Implement Knapsack problem using greedy method
06	To study and Implement Shortest Path Algorithm.
07	To study and Implement travelling salesman problem using dynamic programming.
08	To study and Implement 8 Queens Problem

Laboratory Name: Hardware Laboratory
Subject: Software Engineering (5IT07)

EXP NO.	EXPERIMENT DESCRIPTION
01	To study the SDLC Model
02	Identifying the requirement from problem statement
03	Estimation of project metrics
04	Modelling UML use case diagram and capturing use case scenarios
05	E-R modelling from the problem statement
06	Modelling UML class diagram and sequence diagram
07	Modelling data flow diagrams
08	Designing test suits

Subject: Object Oriented Analysis & Design (8IT05)

EXP NO.	EXPERIMENT DESCRIPTION
1	Identifying the requirements from problem statements
2	Modeling uml use case diagrams and capturing use case scenarios
3	Identifying domain classes from the problem statements
4	To draw statechart and activity modeling
5	Modeling uml class diagrams and sequence diagrams
6	Draw component diagrams assuming that you will build your system reusing existing components along with a few new ones.
7	To design and work with template driven forms
8	To study of adapter design pattern

❖ **Department of Applied Sciences and Humanities**

• **List of Major Equipment / Facilities in each Laboratory/Workshop**

Sr. No.	Name of the Laboratory	Major Equipment available in Laboratory
1	**Engineering Physics Laboratory**	Cathod Ray Oscilloscope , Function generator, Laser Kit , Franck Hertz Experiment , Hall effect setup , Newton's ring apparatus, e/m by Bar Magnet ,Fire Extinguisher - 6Kg(DCP) Computer System- HCL - Intel (R) Pentium(R) 4 CPU 3.20GHz 3.20GHz RAM – 2.50 GB 32- bit operating system
2	**Engineering Chemistry Laboratory**	Muffle Furnace, Oven, Distillation Plant , Viscometer, Pensky Marten apparatus, Digital Balance, Fire Extinguisher - 6 Kg (DCP), Fire safety stand with sand bucket Computer System – Lenovo – Intel (R) Pentium(R) D CPU 2.80GHz 2.79GHz RAM – 3 GB 32- bit operating system
3	**Language Laboratory**	Projector Optoma W400lve with standard accessories and as per po specification Q7d7243waaa1b066 (issued on date 17-01-2023)=rs 42240/-
		5 KVA UPS with DC Powerpack Sr.no.V140700206 Po.no. 2100002458 (Issued dated 05.09.2014) 3yrs warranty,01 set=Rs.91011/-
		23 Lenovo thinkcentre M 73 with i3-4310-4th generation desktop PC as per the following specification: Intel core i3-4130 processor-4th generation3.44 Hz (3M Cache,65 W) Intel H81 chipset, Single 4GB RAM,1600 mhz UDIMM,500GB,7200 RAM SATA3 HDD, INTEL HD Graphics, Gigabit Ethernets Kld, USB optical scroll mouse,18.5" inch LED Monitor, no preloaded OS,3 yrs onsite comprehensive warranty.(issued in 2014) Posting 100000590 23 sets, each cost rs.34,150/-
		24 HP make headphones with mic with std. Accessories rs.600 each.(issued in 2024 Jan.)

• **List of Experimental Setup in each Laboratory/Workshop**
  Engineering Chemistry

EXP NO.	EXPERIMENT DESCRIPTION
1	Determination of alkalinity of water sample in the given Alkali Mixture w.r.t. NaOH Na_2CO_3 and $NaHCO_3$.
2	Determination of hardness of water ample by EDTA method.
3	Determination of Dissolved Chlorine (Cl_2) in given water sample (Iodometry).
4	Determination of Dissolved Oxygen in water sample.

5	Determination of % Fe_2O_3 from given cement sample.
6	To carry out the proximate analysis of coal.
7	Determination of viscosity of given Lubricating oil at different temperatures by Redwood Viscometer No.1/2.
8	Determination of Flash point of Lubricating oil by Pensky-Marten's apparatus.
9	To prepare Phenol formaldehyde & Urea-formaldehyde resin.

Engineering Physics

EXP NO.	EXPERIMENT DESCRIPTION
1	Study of Hall Effect
2	Study of Semiconductor Diode
3	Study of the Characteristics of Zener Diode
4	Amplitude and Frequency Measurement of AC Voltage using CRO
5	Study of Light Emitting Diode
6	Energy Band Gap of Semiconductor Material by using Reverse Biased P-N Junction Diode
7	Diffraction due to Plane Transmission Grating
8	Study of Photo Cell.

English Language Lab

EXP NO.	EXPERIMENT DESCRIPTION
1	Subject Introduction (C.Skills)
2	Extempore Speech Practice
3	Presentation/Seminar Practice
4	Grammar Practice
5	Group Discussion Practice
6	Debate Practice
7	Job Interview Practice
8	Practicing Public Speaking Skills
9	Technical Writing Practice
10	Project Report Writing

❖ **Department of M.B.A.**

- **List of Major Equipment / Facilities in each Laboratory/Workshop**

  24 Desktop Terminals

- **List of Experimental Setup in each Laboratory/Workshop**

  Nil

xiv.	**Innovation Cell**
	Innovation is an essential component for success. Globalization and rapid technical changes in the education sector has created a need for change in teaching style which leads to continuous innovation. Teaching innovation is the process of creating new ideas, theories, methodologies and solutions that can be shared with the classroom. Innovation in four-year degree program ensures that it transforms the students into graduates, those who prepare themselves for employment in the engineering industry and update them according to rapid changing technology.
	The use of innovative method in educational institutes has the potential not only to improve education, but also empower people and mobilize the effort to archive the skilled engineer for country.
	The success of these practices results qualitatively as well as quantitatively. The qualitative factor improves student's curiosity and desire to learn. Also it changes student's perspective towards life. The quantitative factor improves academic performance and participation in co- curricular activities. Also Alumni of SSGMCE doing very well in corporate world.
xvi.	**Social Media Cell**
	Media is a gift of technology that provides us with the medium for mass communication. Communication tools used to store and deliver information or data. Social media plays an important role in every student's life. It is easier and convenient to access information, provide information and communicate via social media. Teachers and students are connected to each other and can make good use of these platforms. Platforms like Facebook, LinkedIn, Instagram, YouTube and Twitter are used by almost everyone. Print Media includes newspapers, weeklies, magazines, blogs, banners, graphics, posters and other forms of printed material. In order to effectively make of use of media, it has been decided to publicize our College events through social and print media
xvii.	**Compliance of the Academic Bank of Credit (ABC), applicable to PGCM/ PGDM Institutions and University Departments.**
	YES
xviii.	**To upload the respective short video (1-2 min) of Infrastructure and facilities available w.r.t. the courses in the website.**
	YES - https://www.youtube.com/watch?v=COMGjbhBcUE
xix.	**Games and Sports Facilities**
	YES - AVAILABLE
xx.	**Teaching Learning Process**
Department of Electrial Engineering (Electronics and Power): Teaching Learning Process\Teaching Learning Process - Department of Electrical Engineering (Electronics and Power).pdf	
Department of Electronics and Telecommunication: Teaching Learning Process\Teaching Learning Process - Department of Electronics and Telecommunication Engineering.pdf	
Department of Mechanical Engineering :Teaching Learning Process\Teaching Learning Process - Department of Mechanical Engineering.pdf	
Department of Computer Science and Engineering :Teaching Learning Process\Teaching Learning Process - Computer Science and Engineering.pdf	
Department of Information Technology :Teaching Learning Process\Teaching Learning Process - Information Technology.pdf	
Department of Applied Science and Humanities : Teaching Learning Process\Teaching Learning Process - Applied Science and Humanities.pdf	
Department of MBA : Teaching Learning Process\Teaching Learning Process - Department of MBA.pdf	

Title of the Course	Name of Laboratory	Name of Facilities
M.E. Electrical Power Systems	Power Quality Lab	Power quality parameter monitoring setup Power Quality event detection & classification setup Real time data monitoring of electrical equipment's
Digital Electronics	PG Laboratory – Lab 1 -- Lab 2	• Pi3 Computer Systems Computer Systems (14) • VLSI Cadence Suit • ARM and Microcontrollers Boards Communication Kits and Systems
Master of Engineering (Advanced Manufacturing & Mechanical System Design)	PG Laboratory	• Advanced Manufacturing Processes Lab • Computer Aided Design & Engineering Lab • Mechatronics in System Design Lab Experimental Stress Analysis Lab
M.E. Computer Engineering	PG Laboratory	1) Computer System: (LENOVO I3 (3G) /4GB RAM /500GB HDD, With Windows 10 Operating System and Quick Heal Antivirus) 5 Qty. 2) Computer System: (LENOVO I3 (3G) /4GB RAM /1 TB HDD, With Windows 10 Operating System And Quick heal Antivirus) 8 Qty 3) Computer System: (Lenovo I3 (2G) /2GB RAM /500 GB HDD, With Windows 10 Operating System And Quick heal Antivirus) – 6 Qty 4) 5 KVA Online UPS With Batteries: - 01 Qty 5) Optoma Projector – 01 Qty 6) All Computers in the Laboratory equipment with Internet facility /White board.
Master of Business Administration	--	24 desktop terminals

18.16   Enrollment and placement details of students in the last 3 years

SN	Name of Course	Enrollment			Placements		
		2020-21	2021-22	2022-23	2020-21	2021-22	2022-23
1	B.E. Computer Science and Engineering	70	82	81	65	120	72
2	B.E. Electronics and Telecom. Engg.	125	173	155	112	164	90
3	B.E. Mechanical Engineering	67	88	73	40	64	90
4	B.E. Electrical Engg. (Electronics & Power)	81	82	76	52	84	62
5	B.E. Information Technology	86	83	77	77	123	55
6	M.E. Electrical Power System	13	02	02	--	--	--
7	M.E. Digital Electronics	08	02	02	--	--	--
8	M.E. Computer Engineering	06	04	01	--	--	--
9	M.E. Mechanical Engineering	06	03	01	--	--	--
6	M.B.A.	70	68	61	36	26	60

18.17   List of Research Projects/Consultancy Works

1. Deparrtment of Electrical Engineering (Electronics and Power)

    -Nil-

2. Department of Electronics and Telecommunication Engineering

    - Notice Board
    - Simulation and design of heart and lungs sound signal analysis and disease detection

3. Department of Mechanical Engineering

    - Number of Project Carried out   –   06
    - Grant / Consultancy   -   02   Rs. 2,74,560/-
    - Industry Linkage   -   Yes

4. Department of Information Technology

SN	Project Title	Sponsoring Agency
1	Integration of ChatGPT to verify and update the End-of-life database	Apexa IQ, USA
2	Effective End-of-Life(EOL) management of devices in the organisation Snowflake integration	Apexa IQ, USA
3	Student Educational Platform for One Smarter	One Smarter Inc., USA

5. Department of MBA

    - Farmers survey for Mahyco (Ongoing)

    - Marketing Project for Agrowsure, Akola (Ongoing)

    - Marketing Project for Mr. Parag Patil (Ongoing)

    - Research articles on Varkari Sect under Indian Knowledge System, AICTE (Ongoing)

    - Market Research Project for Vatika Spices, Rohini Agro Industries, Rajkot (Completed)

    - Market Research Project for Agrowsure, Akola (Completed)

18.18 MoUs with Industries

SN	Name of the Organization	MOU Signing Date
Department of Electrical Engineering (Electronis and Power)-		
1	Samarthan System Private Limited, Pune.	10 January 2024
2	Mitsubishi Electric India Private Limited.	06 January 2023
3	Adani Electricity Mumbai Limited, ADTPS, Dahanu	12 February 2022
4	ISIE INDIA, Noida	18 January 2022
5	VI Solutions Bangalore	28 January 2021
6	SCR Elektroniks, Mumbai	08 February 2020
7	Tata Power Skill Development Institute, Shahad Mumbai	08 September 2018
Department of Electronics and Telecommunication Engineering		
1	Tech, E-3,702, Lake town housing society, Katraj Pune	---
Department of Mechanical Engineering		
1	Krishan Vishwa Vidyapeeth "Deemed to be University", Karad, Maharashtra,	---
Department of Computer Science and Engineering		
1	Bharat Software Solutions, Pune Mr. Y. P. Murumkar, CEO & Director, Email: yogeshpm5555@gmail.com Contact: 9657080905	21 December 2023
2	**MITU Skillogogies, Pune Rashmi R. Thorave**, Managing Director.Email: tushar@tusharkute.com Contact: 7588594665	21 December 2023
3	**TrueScholar- Asset Chain Techniligence Private Ltd., Amravati Mr. Mayur Zanwar**, Founder & Director Email: - info@truscholar.io Contact: 942285595	1st June 2022
4	**Opine Group, Pune** **Mr. Anand Kolarkar,** Founder Email: -info@opinegroup.com Contact: - +91 7276326565	13th July 2019
5	**e-Zest Solutions Ltd. Pune** **Mr. Sunil Dane,** Director & FounderEmail: bhushan.adhe@e-zest.in Contact: -869865348	06-January-2019
6	**IBM India Pvt. Ltd., Pune** **Mr. MithilisehGangde,** Advisory Consultant (PMP Artificial Intelligent, Watson) Email: migangade@in.ibm.com Contact: -7745056478	06-January-2019
7	**Pi R Square Digital Solutions Pvt. Ltd., Pune** **Mr. Sanket Thodge,** Founder and CEO E-mail: - founder@pirsquaredigital.com Contact: -+91 9028398260	16th July 2018
Department of Information Technology		
1	Prodevans Technologies Pvt. Ltd., Bengaluru	05/10/2023
2	BridgeLabz Solutions Pvt. Ltd., Mumbai	31/01/2023
3	Expert Global Solutions Pvt. Ltd., Aurangabad Name: Mr. Omkar Deshpande Email ID:onkard@expertgs.com Contact No: 9130096211	24/11/2022

4	Renuka Technologies Private Limited, Nagpur Mr. ChetankumarAkarte, Mob: 9867748519	19/01/2019
5	Cluebix Software Pvt. Ltd, Nagpur Hemant Barapatre Phone: 7588807491 Email: hemant@cluebix.com	19/01/2019
6	VNurt Technology Solutions Pvt. Ltd., Bengaluru Mr. Hemant Sharma, Email: hemant@vnurt.com, Mob: 9632444388	19/01/2019
7	JDM Semiconductor Technologies Pvt. Ltd., Nagpur Mr. Ashish Khachane Mob: 9028626018	19/01/2019
8	Vidharbha Industry Defence Hub, Mihan Nagpur	19/01/2019
Department of MBA		
1	MoU signed with Saturday Club Global Trust for co-operation in the field of Research and Education	---
2	MoU signed with Circular Angle Pvt. Ltd., Mumbai for Research, Education and Real time Consultancy	---
3	MOU with Leben Life Sciences, Akola	---
4	MoA signed with Lyceum of the Philippines University- Laguna	---

Place: Shegaon
Date: 23rd April 2024
(Mandatory Disclosure 2023-2024)

(Authorized Signature)
Dr. Sunil Bhikamchand Somani
Principal, SSGMCE
Shegaon-444203