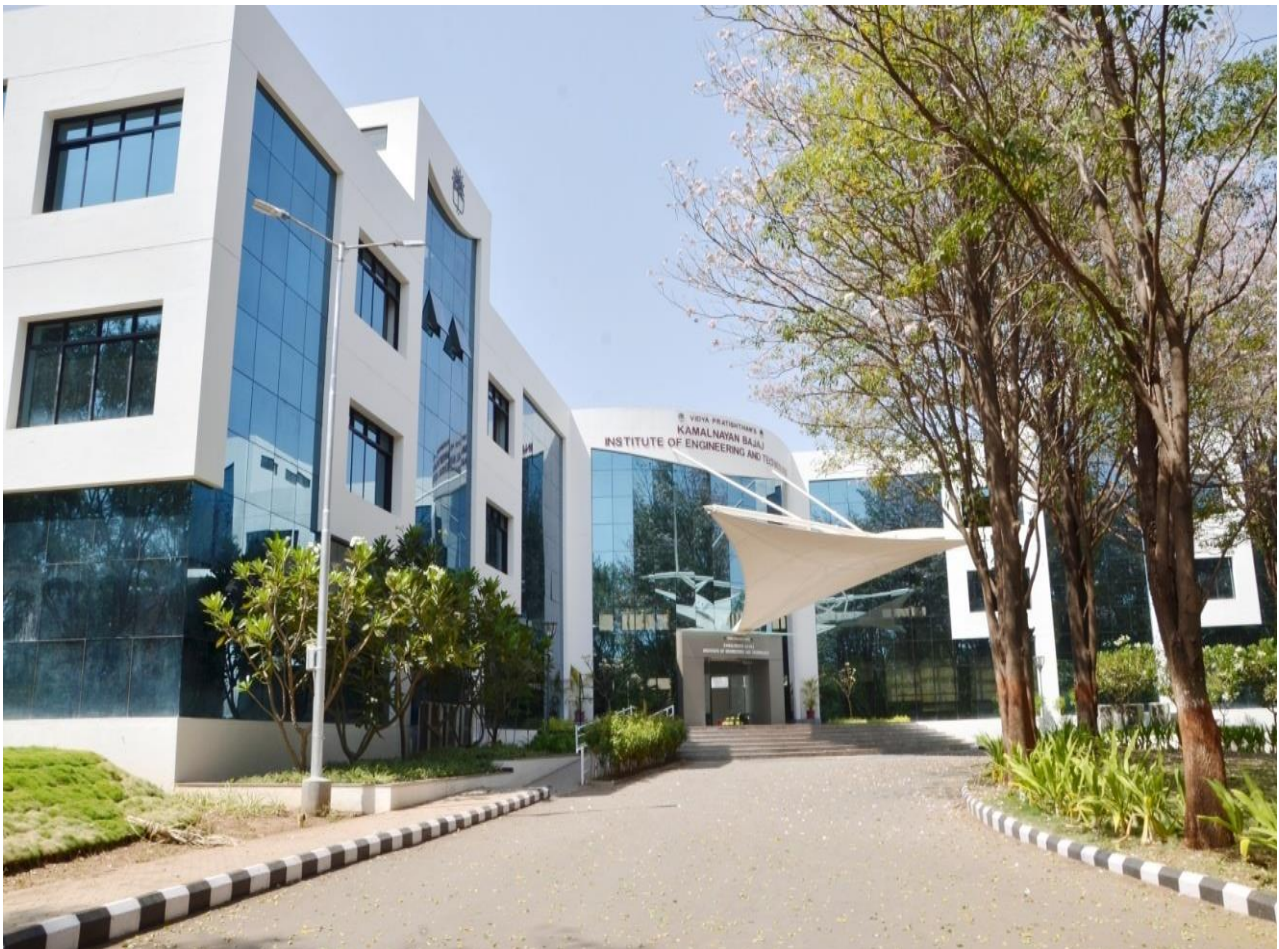


MANDATORY DISCLOSURE



Vidya Pratishthan's
KAMALNAYAN BAJAJ INSTITUTE OF
ENGINEERING & TECHNOLOGY, BARAMATI
(Formerly Vidya Pratishthan's College of Engineering)
NAAC 'A+' Grade Institute



Contact Details:

Telephone +91-2112- 239503/504/500
 Fax +91-2112-239514
 Website: www.vpkbiet.org
 Email:principal@vpkbiet.org

Address: Vidyanagari, Bhigwan Road
 Baramati, Pin: 413 133
 Maharashtra, India.

18.1 Name of the Institution	:	Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering & Technology, Baramati
Address of the Institution	:	Vidyanagari, M.I.D.C. (Resi. Zone), Baramati, Dist. Pune
City & Pin Code	:	Baramati – 413 133.
State	:	Maharashtra
Longitude & Latitude	:	Latitude: N 18° 10' 41.991" Longitude: E 74° 36' 51.062"
Phone number with STD code	:	02112-239503 / 239504
FAX number with STD code	:	02112-239514
Office hours of the Institution	:	09:30 am to 05:30 pm
Academic hours of the Institution	:	09:00 am to 05:00 pm
Email	:	principal.vpkbiet@vidyapratishthan.com
Website	:	www.vpkbiet.org
Nearest Railway Station (distance in Km)	:	Baramati – 5 KM
Nearest Airport (distance in Km)	:	Pune – 110 KM

Location map of the Institution:



AICTE File No.	:	740-89-037(NDEG)/ET/2000
Permanent Institute ID	:	1-15559911
Date & Period of last approval	:	2023-24 (Vide AICTE letter No.: F.No. Western/1-36599933408/2023//EOA dated 10-06-2023)
Type of Institution	:	Private-Self Financed
Category (1) of the Institution	:	Non-Minority
Category (2) of the Institution	:	Co-Education

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- 18.2** **Name and address of the Trust/ Society/ Company and the Type of the organization** : Vidya Pratishthan, Baramati
Address of the organization : Vidyanagari, MIDC, Bhigwan Road, Baramati, Dist. Pune-413133 Maharashtra State
Registration : Asstt. Charity Commissioner, Pune Division, Pune
Registration No. with date : Under the Societies Registration Act, 1860:
 Regd no.: MAH 782 Poona dated 16-10-1972
 Under Bombay Public Trusts Act 1950:
 Regd no.: F 591 (Poona) dated 11-10-1975
Website of the organization : www.vidyapratishthan.org
- 18.3** **Name and Address of the Vice Chancellor/ Principal/ Director** : Dr. Rajankumar Sadashivrao Bichkar
Designation : Principal
Phone number with STD code : 02112 – 239500 , 239503
FAX number with STD code : 02112 – 239514
Email : principal.vpkbiet@vidyapratishthan.com
Highest Degree : B.E., M.E., Ph.D. (IITKGP)
Field of specialization : Model-Based Tomographic Reconstruction
 Using Randomized Search and Optimization Techniques,
 Image Processing, Evolutionary Computation
- 10.4** **Name of the affiliating University** : Savitribai Phule Pune University, Pune
Address : Ganeshkhind, Pune – 411 007, Maharashtra State
Website : <http://www.unipune.ac.in>
Latest affiliation period : For academic year 2023-24
 Vide university letter Ref. No.: CA/744 dated 16/05/2020

18.5- Governance

Sr. No.	Name	Designation	
1	Shri. Sharadchandrajji Govindrao Pawar	President, Vidya Pratishthan	Chairman
2	Shri. Ashok Vasudev Prabhune	Educationalist	Member
4	Adv. Neelima Vinodkumar Gujar	Educationalist	Member
5	Shri. Ajit Anantrao Pawar	Vision Provider	Member
6	Shri. Vitthal B. Maniyar	Businessman	Member
6	Sou. Supriya Sadanand Sule	Social Worker	Member
7	Shri Sadanand Sule	IT Businessman	Member
8	Shri Prataprao Pawar	Industrialist	Member
10	Shri Sharad Kulkarni	International Executive	Member
13	Dr. Ajeet Singh	Director, WRO, Mumbai	Member
14	Dr. Vinod Mohitkar	Director, DTE, Mumbai	Member
15	Dr. Manohar Chaskar	Dean - Faculty of Science & Technology, SPPU, pune	Member
16	Dr. R.K. Shastri	Registrar VPKBIET, Professor E&TC Department	Member
17	Mr. P.M. Patil	Assistant Professor, IT	Member
18	Dr. R.S. Bichkar	Principal, VPKBIET Baramati	Member Secretary

1. **Shri. Sharadchandra Govindrao Pawar (B.Com.)** **President**

Work Profile: An outstanding National level political leader and a ground root social worker. Hon. Pawar has been four times Chief Minister of Maharashtra, formal Defense Minister and Agriculture Minister of Government of India, Leader of opposition in Parliament, Vice Chairman National Committee on Disaster Management, Chairman BCCI, Chairman Asian Federation of Kabaddi Association. He leads the NCP delegation in the Rajya Sabha, the upper chamber of the Indian parliament. Hon. Sharad Pawar has initiated rural development in Baramati during the early years of the eighth decade of the last century. According to Hon. Dr. Manmohan Singh, former Prime-Minister of India, 'He is a role model of rural development for our country with proof of many water management projects and other developmental activities started and implemented in the rural places'. He started an educational society 'Vidya Pratishthan' in 1972 creating excellent institutions with world-class infrastructure and excellent academic culture. He has been awarded for "Outstanding Parliamentarian Award, 2003" by President Smt. Pratibha Devisingh and Honored Doctoral Degree in Humanities by Lawrence Technological University, Southfield, Michigan, Detroit, U.S.A.

2. **Shri. Ashok Vasudev Prabhune (LL.B)** **Vice-President**

Work Profile: He is a practicing lawyer in Baramati court. A businessman of repute, an agriculturist, a social worker and an academician, a person who has contributed to the development of educational institutions of Vidya Pratishthan as Vice-President for the last 35 years.

3. **Adv. Neelima Vinodkumar Gujar** **Secretary**

Work Profile: An academician of high repute, former secretary of the Association Management of unaided Engineering Colleges of Maharashtra, a modern agriculturist, a social reformer, a person who has contributed to the development of educational institutions of Vidya Pratishthan as Secretary for last 35 years.

4. **Shri. Ajit Anantrao Pawar (B.Com.)** **Trustee**

Work Profile: He is the current deputy Chief minister of Maharashtra Legislative Assembly . He was Minister in Maharashtra State government for the last 19 years. He had managed portfolios of Irrigation, water management, electricity and power, rural development and public works Department. A dynamic personality who is recognized in Maharashtra for his immaculate working in Maharashtra. A member instrumental in the infrastructure development not only of this institution but of the Baramati region.

5. **Sou. Supriya Sadanand Sule (B.Sc. Microbiology)** **Trustee**

Work Profile: She is Member of Parliament of India of the Lok Sabha (House of People). She is an agriculturist and social reformer with active participation in the upliftment of the society. A Politician and Social Initiative Leader, Supriya Sule has wide-ranging interests in the socio-cultural arena, especially in Paintings, Literature, and Science.

6. **Shri. Sadanand Sule (P.G. in Commerce)** **Member**

Work Profile: - He is the trustee of the Pawar Public Charitable Trust, is the person who has laid the foundation of stringent quality control of the school. He is an economist by profession and is a perfectionist who is not prepared to accept any compromise on the quality of education at Pawar Public School (PPS). He is the visionary who has spared no expenses in providing for the state of art infrastructure to the school and has set very high goals for the school to achieve.

7. **Shri. Vitthal B. Maniyar (B.Com.)** **Trustee**

Work Profile: He was Chairman of Mahesh Sahakari Bank. He is Trustee of Pune Zillha Krushi Vikas Pratishthan. He is a businessman and Social worker

8. **Shri. Prataprao Pawar (BE Birla Institute of Technology & Science) Member**

Work Profile: - He is Chairman of Sakal Papers Pvt.Ltd., and Chairman of ASK Chemicals India Pvt. Ltd. which are subsidiary to ASK Chemicals GmbH, Munich, Germany. He is also the Director of various companies viz. Bharat Forge Ltd. Finolex Cables Ltd., Kirloskar Oil Engines India Ltd., Force Motors Ltd. Pune. He is Former President of The Mahratta Chamber of Commerce, Industries & Agriculture, Pune; during his tenure as President, MCCIA completed the project: The International Convention Centre (ICC). One of the prominent commercial complex in Pune, MNC's like BMC software, Persistent, Siemens etc. have set up offices in ICC. MCCIA could own 6000 sqm fully furnished office in this complex without spending any money. Government of Maharashtra has nominated him a Member of the first Board of Governors of Government college of Engineering, Pune in July 2004. Special: Padma Shri the highest Civilian Award of Government of India conferred to him in 2014 for his distinguished service in trade and industry

9. **Shri. Sharad Kulkarni (B.E.) Member**

Work Profile: - Corporate and Business Advisor to several Indian and International Companies. Mr. Kulkarni has had a distinguished international career spanning over 40 years as head of Major Indian and multinational companies in wide-ranging areas of businesses from information technology to biotechnology, financial services to venture funds, industrial products to Specialty chemicals, construction to property development. He was the President of the governing board of the Maharashtra Economic Development Council. He has more than 40 years' experience in engineering, chemical ,and IT industries.

10. **Dr. Ajeet Singh : Member**

Work Profile: - Regional officer & Director of All India Council for Technical Education, Western Regional Office (WRO) – Mumbai.

11. **Dr. Vinod Mohitkar Member**

Work Profile: - Director of Technical Education, Mumbai, Maharashtra State

12. **Dr. Manohar Chaskar Member**

Work Profile: Dean Faculty of Science and Technology, Savitribai Phule Pune University, Pune.

13. **Dr. R.K. Shastri: Member**

Work Profile: Professor of E&TC Department and Registrar VPKBIET, Baramati.

14. **Mr. P.M. Patil Member**

Work Profile: Assistant Professor of IT Department, VPKBIET Baramati.

15. **Dr. R.S Bichkar Member Secretary**

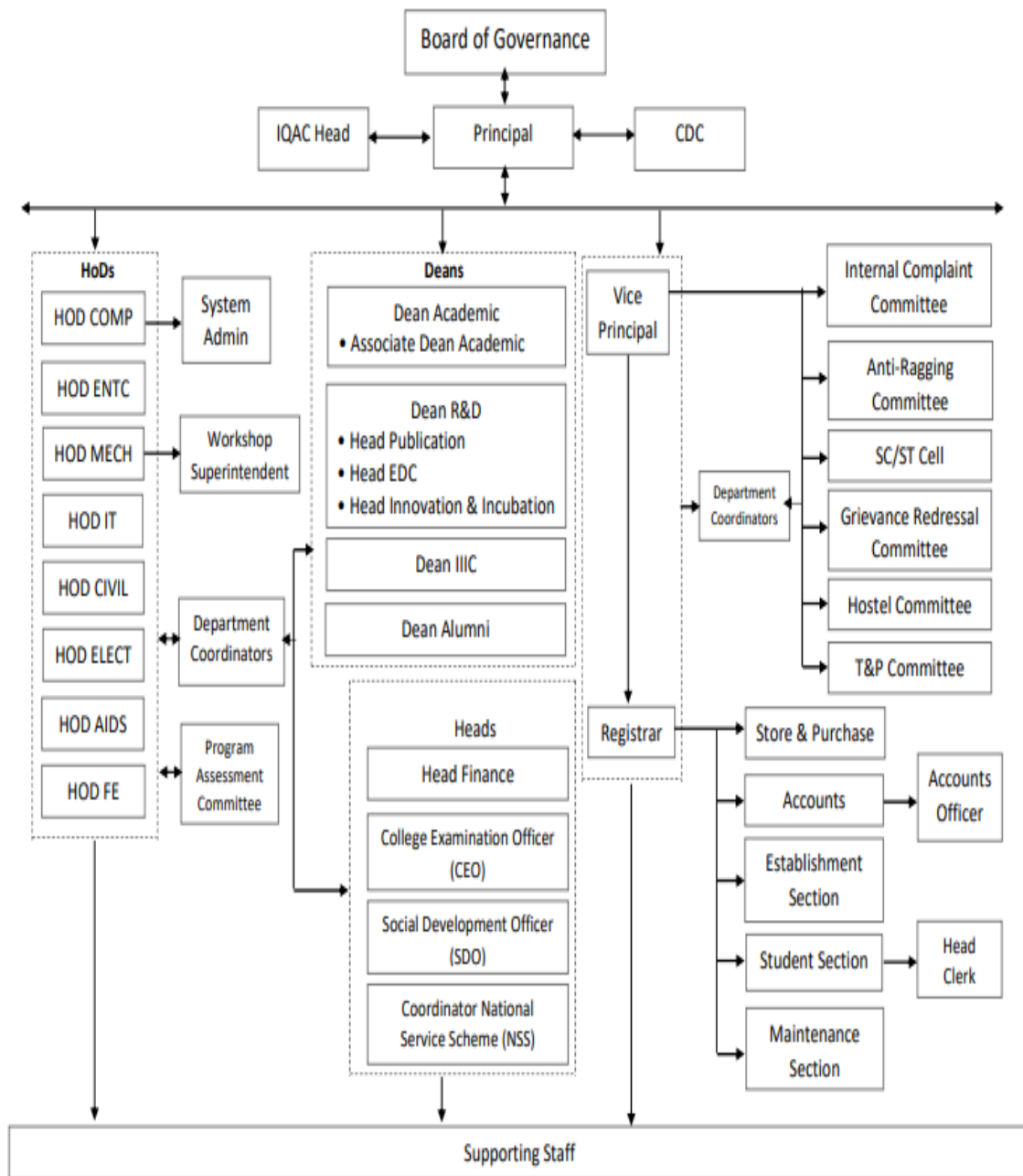
Work Profile: Principal, VPKBIET, Baramati

Organizational chart and processes

Principal is the executive head of the College. He manages college activities through Deans, different heads of departments, Registrar and Accountant. The academic function is managed through the Dean, Heads, Professors, and Assistant Professors. The Librarian manages library with the coordination of HOD's, staff and accountant. The purchases of equipment and consumables are done as per budget provisions with the help of stores and accounts. IQAC works in feedback path to improve Institute performance on quality parameters.

Every term academic and administrative planning is done in a staff meeting deciding the course of activities and policies for the term to achieve academic improvements and student culture. Feedback

from students about their faculty is taken once every year and the performance of the staff is assessed,



taking this as one of the elements of staff assessment.

The Management Committee reviews the monthly activities through its meetings and gives directions about the policies and purchases for further actions. The management decides the budget for the ensuing year. Annual general meeting of the society is held once in a year where the review of all institutes is taken and the decisions for the next year plans are taken.

Nature & Extent of involvement of Faculty & students in academic affairs/improvements

Faculties and students are encouraged for attending programs such as conferences, seminars, faculty development programs, presenting papers in conferences, publishing papers in various journals. Also, for attending MOOCS courses such as NPTEL, UDEMY and other.

- a) By Class room teaching, Practical conductions and through Tutorials
- b) By involving them through work books of respective subjects.
- c) By industrial internships/trainings
- d) By industrial visits
- e) By final year projects
- f) By extracurricular activities
- g) By arranging Guest lectures, Expert talks,
- h) By arranging curriculum related workshops, seminars, events
- i) By arranging students technical events
- j) By providing platform to students for overall development of their career (Like MOOC Courses- NPTEL, UdeMy, Coursera etc.) and motivating them to pursue higher qualifications.

Mechanism/ Norms and Procedure for democratic/ good Governance

The management of the Institute is always proactive in introducing new methods for enhancing the governance and leadership among faculty, staff and students. The Institute organizes need based motivational training programs for faculty and staff. The HoDs are given academic and administrative freedom in smooth functioning and development of the department. The management encourages the faculty to carry out the research and consultancy activities. It has provided a well-defined guideline for the distribution of income generated through various research and consultancy programs. The management motivates the faculty and staff to attend various workshops/ seminars/conferences by way of partial reimbursement of the expenses. The Institute aims to achieve the center of excellence in academic research in selected areas of engineering by motivating the entire faculty to pursue Ph. D Programs.

- a) Involving stakeholders in major activities
- b) Taking students involvement and confidence in activities
- c) Including student and staff in departmental meetings (Related to students activity only)
- d) Building confidence in faculties and staff
- e) Providing conducive environment for faculty, staff and students
- f) Working beyond the limits of curriculum
- g) Encouraging/motivating faculty ,staff and students for their futuristic development
- h) Arranging social, recreational activities for faculty and staff
- i) Teaching (Faculties) and Non-teaching (Staff) feedback by Head of Department and Principal

Student feedback mechanism on Institutional Governance/faculty performance

Two times in every year, student feedback on faculty and institution is taken using ERP. The feedback is assessed and reviewed by Principal, HOD and concerned staff. Steps are taken to improve the situation. Follow up is done by HODs. This feedback mechanism has helped to improve the image of the college in the eyes of the students and parents.

Theory Feedback:

Sr. No.	Parameter	Poor	Average	Good	Very Good	Excellent
1	Knowledge Delivery: How well the subject knowledge is delivered w.r.t subject contents, teaching method, practical examples etc.					
2	Google Classroom: Unit wise ppts, videos, web links, skill development resources etc. and its Quality					
3	Examination Preparation: usefulness of teaching for exams, Question bank, online mock tests, question paper analysis, writing skills for exams etc.					
4	Self-video lectures: available for min. 3 units and quality of video lectures.					
5	R& D Activities: Guidance and encouragement for R&D activities like paper publication, filing patent and sharing project ideas.					
6	Co-curricular Activities: Encouragement and guidance and for participation in technical events, competitions.					
7	Self-Learning: Guidance and encouragement for doing online certification courses like NPTEL, Udemy, FOSS, Microsoft, MATLAB, Spoken Tutorials etc.					
8	Industry Orientation: Organizing industry visit, internship, job opportunities,					
9	Extra-Curricular: Motivates students to participate in societal activities, to follow ethics and human values					
10	Skill Development: Efforts for development of various skills required for jobs.					

Practical Feedback:

Sr. No.	Parameter	Poor	Average	Good	Very Good	Excellent
1	Full-time Availability in the lab					
2	Explanation of Experiment					
3	Practical Knowledge of the Subject					
4	Quality of Lab Manual					
5	Supports for Practical performance					

Feedback is scaled in the range of 1-5 (Poor-1, Average-2, Good-3, Very Good-4, Excellent-5)

Grievance redressal mechanism for faculty, staff and students

The grievances of the students are settled through the concerned head of the department, staff and student along with the parent if needed. The common matters are discussed in the staff meeting as well as in the student council and agreeable solutions are decided as policy for the college working and presented to the managing committee for approval. Serious misdeeds are handled as per the law in force, University act, and procedure set by the management.

Establishment of Anti Ragging Committee

S.No.	Name	Representative	Designation
1	Dr. R.S. Bichkar	Principal, VPKBIET	Chairman
2	Chief Executive Officer, Baramati Municipal Council	Representative Civil Administration	Member
3	PI, Baramati Rural Police Station, MIDC Baramati	Representative Police Administration	Member
4	Advt. Ms. Neelima Gujar (Member, Environmental Forum of India, Baramati)	Representative NGO	Member
5	Mr. D. G. Patil (Asst. Prof., Civil.Engg., VPKBIET)	Representative – Faculty	Member
6	Mrs. Bhoite Gauri Gajendra (Asst. Prof., General Science VPKBIET)	Representative – Faculty	Member
7	Mr. Somnath Bhanudas Chaudhar (Student Parent)	Representative – Parent	Member
8	Mr. Deshmukh Prathamesh Mahesh	Representative Student – BE	Member
9	Miss. Jagtap Subhashita Kiran(FE)	Representative Student – FE	Member
10	Mr. Dandwate Shashank Shrikant (Administrative Officer, VPKBIET)	Representative Non-Teaching Staff	Member

Establishment of Online Grievance Redressal Mechanism

Online grievance mechanism is established where students can send their suggestions/grievances on through website or can send an email at grievances@vpkbiet.org

You can also email your suggestions/grievances at grievances@vpkbiet.org

Online Grievance Redressal Mechanism

(Send email regarding grievances to: grievances@vpkbiet.org)

Grievance Redressal Process**Establishment of Grievance Redressal Committee in the Institution and Appointment of OMBUDSMAN by the University**

S. No.	Name	Designation
1	Dr.R.S. Bichkar	Chairman
2	Dr. N.K. Sahuji	Member
3	Dr. R.K. Shastri	Member
4	Mrs. J.S. Kulkarni	Member
5	Mrs. P.D. Kale	Member

Establishment of Internal Complaint Committee (ICC)

S. No.	Name	Designation
1	Dr. Sajjan Aparna Ganeshappa	Presiding Officer
2	Mrs. Prachi Kale	Two Committee Members - Teaching faculties nominated by the Principal
3	Mr. Jadhav Madan Mohan	
4	Mrs. Pornima Sarode	Two Committee Members – Non-Teaching staff nominated by the Principal
5	Mr. Sashank Dandwate	

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6	Ms. Gauri Satish Maid	Student Nominee
7	Mr. Abhishek R. Raut	Student Nominee
8	Ms. Sakshi Sukdev Shiraskar	Student Nominee
9	Advt. Ms. Neelima Gujar	External Member

Establishment of Committee for SC/ ST

S. No.	Name	Designation
1	Mr. Vishal Bhagwat	Coordinator
2	Mr. Ahiwale Dhiraj	Member
3	Mrs. Rokade Shreeimati Dattatrya	Member
3	Shri. Santosh Gade	Member
4	Shri. Dayanand Sonawane	Member

Internal Quality Assurance Cell

S. No.	Name	Designation /Department	IQAC Designation
1	Dr. R.S. Bitchkar	Principal, VPKBIET	Chairman IQAC
2	Adv. A.V. Prabhune	Vice President, Vidya Pratishthan	Management Representative
3	Dr. S.K.Shinde	Dean IQAC and Professor Comp. Engg. Department	IQAC Coordinator
	Dr. S.B.Lande	Vice Principal	
	Dr. R.K. Shastri	Registrar and Dean R&D	
4	Mr. S.S. Dandvate	Administrative Officer and Account officer	Member
	Dr. N.K. Sahuji	Head, Ranking	
	Dr. A.P. Hiwarekar	Dean ,Academics	
	Dr. V.C. Todkari	Assistant Professor, Mech. Engineering	
	Dr. C.S. Kulkarni	Associate Professor, and Head , Dep. of Comp. Engineering	
	Dr. S.M. Bhosale	Professor and Head , Dept. of Mech. Engineering	
	Dr. A.G. Sajjan	Associate Professor and Head of General Science and Engg.	
	Dr. B.H. Patil	Associate Professor and Head, dept. of E&TC	
	Mr. V.U. desh mukh	Assistant Professor, E&TC.	
	Mr. D.S. Jamdar	President, Baramati Chamber of Commerce and Industry,	
	Mr. Nagesh Shahane	Employer, walchandnagar Industries.	
	Mr. P.B. Gawli	Stakeholder(parent)	
	Mr. P.B. Taware	NGO/Social Worker	
Mr. Kalghati Nihar	Alumini		
Mr. Abhishek Shirke	Student		

18.6 Programmes

Under Graduate

SN	Name of the Course	Year of affiliation	AICTE Approval No.	Government G.R. No.	University Affiliation Letter No.
1	Computer Engineering	2000	F. No. 740-89-037 (NDEG-APR)/ET/2000 dated 21-6-2000	PEC 20/00/(292/00) Tanshi 1 dated 27-6-2000	CA/5358 dated 22-11-2000
2	Information Technology	2000	F. No. 740-89-037 (NDEG-APR)/ET/2000 dated 21-6-2000	PEC 20/00/(292/00) Tanshi 1 dated 27-6-2000	CA/5358 dated 22-11-2000
3	Elect. & Telecom. Engineering	2000	F. No. 740-89-037 (NDEG-APR)/ET/2000 dated 21-6-2000	PEC 20/00/(292/00) Tanshi 1 dated 27-6-2000	CA/5358 dated 22-11-2000
4	Mechanical Engineering	2002	F. No. 740-89-037 (NDEG)/ET/2000 dated 14-6-2002	TEM-2002 /(206/02) Tanshi 1 dated 29-6-2002	CA/4222 dated 4-8-2003
5	Civil Engineering	2006	F. No. 740-89-037 (NDEG)/ET/2000 dated 26-5-2006	TEM-2006 /(332/06) Tanshi 1 dated 19-6-2006	CA/8530 dated 12-12-2006
6	Electrical Engineering	2010	Western Region, Maharashtra / 1-1559911/2010/EOA dated 08-11-2010	Sankirn-2010/(188/2010)/ Tanshi-4 dated 30-7-2010	CA/295 dated 31-1-2011
7	B.E. (Artificial Intelligence And Data Science)	2020	Western/1-7006963201/2020/EOA Dated 15-06-2020	TEM-2020/(Pra.Kra.102/ Tanshi-4 Dated 13-08-2020	CA/642 Dated 07-09/2020

Post Graduate

Sr.No	Course	Year of affiliation	AICTE Approval No.	Government G.R. No.	University Affiliation Letter No.
1	Civil Structural Engineering	2012	Western/1-717782077/2012/EOA dated 10/5/2012	टीईएम- २०१२/प्र.क्र.९८(भाग १)/तांशि-४ dated 30-6-2012	CA/205 dated 11-1-2013
2	Artificial Intelligence and Data science	2021-22	F.No. Western/1-931993709/2021/EOA date: 25/06/2021	टीईएम- 2020/प्र.क्र.102/तां शि-४ dated 13-08-2020	CA /667 dated: 21/06/2021
3	Robotics and Automation	2021-22	F.No. Western/1-931993709/2021/EOA date: 25/06/2021	टीईएम- 2020/प्र.क्र.102/तां शि-४ dated 13-08-2020	CA /667 dated: 21/06/2021

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- Name of courses Accredited by NBA : **Comp Engg. , Civil Engg and Mech Engg**
- **Status of Accreditation of the Courses** : **NAAC A+**
- Total number of Courses : **10**
- No. of Courses for which applied for Accreditation : **0**
- Status of Accreditation – Preliminary/ Applied for SAR and results awaited/ Applied for SAR and visits completed/ Results of the visits awaited/ Rejected/ Approved for Courses : **-**

For each Programme the following details are given

Computer Engineering:	2023-24		2022-23		2021-22	
	UG	PG	UG	PG	UG	PG
No. of Seats (Intake)	120	-	60	-	60	18
Duration	4 Yrs	-	4 Yrs	-	4 Yrs	2 Yrs
Actual Admitted in FE	137	-	68	-	69	0
Cut off marks/rank of admission during the last three years	92.31	NA	91.48	NA	89.81	NA
Fees	1,02, 500	72,500	99165	57168	98801	56834
Placement Facilities	Available	-	Available	-	Available	--
Campus placement in last three years	10	NA	41	NA	59	NIL
Average Salary (Lakh per Anum)	4.3	NA	4.6	NA	4	NIL
Maximum Salary(Lakh per Anum)	6	-	7	-	7.5	Nil
Minimum Salary(Lakh per anum)	4.6	-	3.25	-	3.25	Nil
Information Technology:	2023-24		2022-23		2021-22	
	UG		UG		UG	
No. of Seats (Intake)	60		60		60	
Duration	4 Yrs		4 Yrs		4 Yrs	
Year wise Actual Admissions in FE	68		68		67	
Cut off marks/rank of admission during the last three years	90.59		89.24		87.25	
Fees	1,02,500		99165		98801	
Placement Facilities	Available		Available		Available	
Campus Placement in Last threeyears	03		26		55	
Avrage Salary (Lakh per anum)	4.73		3.8		4	
Maximum salary (Lakh Per anum)	5.01		5		9	
Minimum Salary (Lakh Per anum)	4.6		2.4		3	
Electronics & Telecomm. Engineering:	2023-24		2022-23		2021-22	
	UG		UG		UG	PG
No. of Seats (Intake)	60		60		60	NA

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Duration	4Yrs	4Yrs	4 Yrs	NA		
Year wise Actual Admissions in FE	68	67	68	NIL		
Cut off marks/rank of admission during the last three years	83.37	77.63	72.46	NA		
Fees	1,02,500	99,165	98801	NA		
Placement Facility	Available	Available	Available	Available		
Campus Placements in Last Three Years	0	37	57	NIL		
Average salary in Lakh Per anum	NIL	4.28	3.83	NIL		
Maximum Salary in Lakh Per anum	NIL	7	6.5	NIL		
Minimum Salary in Lakh per anum	NIL	1.6	2.3	NIL		
Mechanical Engineering:	2023-24		2022-23		2021-22	
	UG	PG	UG	PG	UG	PG
No. of Seats (Intake)	60	18	60	18	60	18+18
Duration	4Yrs	2Yrs	4Yrs	2Yrs	4 Yrs	2 Yrs
Year wise Actual Admissions in FE	66	02	66	1	51	NIL
Cut off marks/rank of admission during the last three years	65.32	NA	57.72	NA	45.17	NA
Fees	1,02, 500	72,500	99,165	57168	98,801	71,272
Placement Facilities	Available	Available	Available	Available	Available	Available
Campus placement in last three years	0	NIL	25	NIL	45	NIL
Average Salary per anum	NIL	NIL	3.1	NIL	3.6	NA
Maximum Salary in Lakh per anum	NIL	NIL	4.01	NIL	4.01	NA
Minimum Salary in Lakh per anum	NIL	NIL	1.2	NIL	1.8	NA
Civil Engineering:	2023-24		2022-23		2021-22	
	UG	PG	UG	PG	UG	PG
No. of Seats (Intake)	60	18	60	18	60	18
Duration	4Yrs	2Yrs	4Yrs	2Yrs	4 Yrs	2 Yrs
Year wise Actual Admissions in FE	58	10	57	12	40	11
Cut off marks/rank of admission during the last three years	58.3	NA	36.16	NA	32.2	8.98(structural engineering)
Fees	1,02, 500	72,500	99,165	57168	98,801	71,272
Placement Facilities	Available	Available	Available	Available	Available	Available
Campus placement in last three years	0	NIL	19	NIL	20	NIL
Average Salary in Lakh per anum	NIL	NIL	3.02	NIL	3.48	NIL

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Maximum salary in Lakh per anum	NIL	NIL	4.01	NIL	4.01	NIL
Minimum salary in Lakh Per anum	NIL	NIL	1.2	NIL	2.2	NIL
Electrical Engineering:	2023-24		2022-23		2021-22	
	UG		UG		UG	
No. of Seats (Intake)	60		60		60	
Duration	4Yrs		4Yrs		4 Yrs	
Year wise Actual Admissions in FE	68		62		58	
Cut off marks/rank of admission during the last three years	66.05		54.52		45.17	
Fees	1,02, 500		99,165		98,801	
Placement Facilities	Available		Available		Available	
Campus placement in last three years	0		29		38	
Average salary in Lakh per anum	NIL		3.6		3.72	
Maximum salary in Lakh Per anum	NIL		5.75		4.5	
Minimum salary in Lakh Per anum.	NIL		2.4		2.52	
Artificial intelligence and Data Science	2023-24		2022-23		2021-22	
	UG	PG	UG	PG	UG	PG
No. of Seats (Intake)	120	18	60	18	60	18
Duration	4Yrs	2 Yrs	4Yrs	2 Yrs	4 Yrs	2Yrs
Year wise Actual Admissions in FE	138	03	68	01	68	04
Cut off marks/rank of admission during the last three years	88.35	NA	87.25	NA	79.78	8.09
Fees	1,02, 500	72,500	99,165	57,168	98,801	56,834
Placement Facilities	Available	Available	Available	Available	Available	
Campus placement in last three years	04	NA	NA	NA	NA	
Average salary in Lakh per anum	4.9	NA	NA	NA	NA	
Maximum salary in Lakh Per anum	5.01	NA	NA	NA	NA	
Minimum salary in Lakh Per anum.	4.6	NA	NA	NA	NA	

18.7 Faculty

- Branch wise list Faculty members : Faculty List is available on college web Portal of respective Department.
- Permanent Faculty : **53**
- Adhoc Faculty : **53**
- Total Faculty : **106**

- Adjunct Faculty : 0
- Faculty Student Ratio: : 1:20 (Approved faculty : student ratio = 1:40)

18.8 Profile of Vice Chancellor/ Director/ Principal

Name	Dr. Rajankumar Sadashivrao Bichkar
Date of Birth	7 Mar 1966
Unique ID	1-4623956834
Educational Qualification	BE (E&TC), ME (E&TC), Ph. D. (IIT Kharagpur)
Total Work Experience	37 Years
Teaching Experience	29 Years
Research Experience	03 Years
Industry Experience	--
Area of Specialization	Evolutionary Computation, Image Processing
Courses Taught UG and PG	Basic Electronics Electronic Devices & Circuits – I and II Object Oriented Programming in C++ Microprocessors & Interfacing Data structures and Computer Algorithms System Software and Operating Systems Introduction to Computers & BASIC Programming Intro to Computers and C Programming Embedded System Design Big Data Analytics
No. of PhD students Guided	9
No of Paper Published	60
Research Projects Carried out	--
Patent (filed& Granted)	--
Technology Transfer	--
No. of Books published with Details(Name of Publisher, Title of Book, ISBN No. Year of Publication.	02 1) Programming with C, Universities Press, ISBN-10: 8173717710, ISBN-13: 978-8173717710 2) Programming in C and Data Structures, Universities Press, ISBN-10 : 817371942X, ISBN-13 : 978-8173719424

Principal and faculty profiles are available on college web portal of respective department.

For more details please visit

- https://www.vpkbiet.org/dept_ENTC.php
- https://www.vpkbiet.org/dept_Computer.php
- https://www.vpkbiet.org/dept_IT.php
- https://www.vpkbiet.org/dept_Mechanical.php
- https://www.vpkbiet.org/dept_Electrical.php
- https://www.vpkbiet.org/dept_Civil.php
- https://www.vpkbiet.org/dept_AIDS.php
- https://www.vpkbiet.org/dept_FE.php

18.9 Fee

Details of fee, as approved by State Fee Committee, for the Institution(2022-23)

Undergraduate		
1	Tuition & Development Fees	87,336
2	Other Fees (University Fees + Amartya Shiksha Yojana policy premium)	12,664
3	Refundable Deposit	2,500
	Total	1,02,500
Postgraduate		
1	Tuition & Development Fees	62,445
3	Other Fees (University Fees + Amartya Shiksha Yojana policy premium)	9,055
4	Refundable Deposit	1,000
	Total	72, 500

- Time schedule for payment of fee : Maximum 6 to 9 Months
- No. of Fee waivers granted : 0
- Number of scholarship offered by the Institution : 0
- Criteria for fee waivers/scholarship : As per Trust guidelines
- Estimated cost of boarding and lodging in Hostels : Yes (Rs.48,000/-)

18.10 Admission

Number of seats sanctioned with the year of approval

Undergraduate

Sr. No.	Name of Course	Sanctioned Intake (Year wise)					Year of approval	Actual Admitted (2023-24)				
		1 st	2 nd	3 rd	4 th	Total		1 st	2 nd	3 rd	4 th	Total
1	Computer Engineering	120	60	60	60	300	2000	137	73	77	77	364
2	Information Technology	60	60	60	60	240	2000	68	75	75	78	296
3	Elect. & Telecomm. Engg.	60	60	60	60	240	2000	68	72	75	71	286
4	Mechanical Engineering	60	60	60	60	240	2002	66	62	63	76	267
5	Civil Engineering	60	60	60	60	240	2006	58	51	70	70	249
6	Electrical Engineering	60	60	60	60	240	2010	68	64	76	76	284
7	Artificial Intelligence and Data Science	120	60	60	60	300	2020	138	76	76	77	367
	Total:	540	420	420	420	1800		603	473	512	525	2113

Mandatory Disclosure-2023-24

Post Graduate:

Sr. No.	Name of Course	Sanctioned Intake (Year wise)				Actual Admitted (2023-24)		
		1 st	2 nd	Total	Year of Approval	1 st	2 nd	Total
1	Structural Engineering [628421210]	18	18	36	2012	10	11	21
3	Robotics and Automation [628494210]	18	18	36	2021	02	00	02
2	Artificial Intelligence and Data Science [628494310]	18	18	36	2021	03	01	04
4	Computer Engineering [628424510]	18	18	36	2010	00	01	01
Total:		72	72	144		15	13	28

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

Undergraduate: Academic Year: 2023-24

Branch	SC		ST		DT/VJ (NT-A)		NT 1 (NT-B)		NT 2 (NT-C)		NT 3 (NT-D)		OBC		SBC		SEBC		OPEN		Total		Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
CIVIL																							
FE	5	2	0	0	1	0	3	0	6	2	2	1	9	3	0	0	0	0	16	8	42	16	58
SE	3	1	0	0	1	1	0	1	6	3	0	0	3	1	0	0	0	0	22	9	35	16	51
TE	4	3	1	0	3	0	1	1	2	1	6	1	14	3	1	0	0	0	20	9	52	18	70
BE	3	3	0	0	2	0	0	0	5	1	1	0	6	4	1	0	1	0	31	12	50	20	70
MECHANICAL																							
FE	7	1	0	0	0	0	1	0	5	3	1	0	12	3	2	1	0	0	22	8	50	16	66
SE	2	1	0	0	2	0	0	0	8	1	1	0	15	1	0	0	0	0	25	6	53	9	62
TE	3	1	0	0	1	0	0	0	8	0	1	0	8	2	0	0	0	0	28	11	49	14	63
BE	5	1	0	0	2	0	2	0	6	0	3	0	13	2	1	0	0	0	37	4	69	7	76
ELECTRICAL																							
FE	3	3	1	0	2	0	1	1	9	5	0	2	9	4	2	1	0	0	15	10	42	26	68
SE	4	1	0	0	1	0	0	0	1	4	1	1	14	5	0	0	0	0	20	12	41	23	64
TE	2	2	1	0	0	2	1	0	12	1	1	1	11	6	1	0	0	0	25	10	54	22	76
BE	6	3	0	1	1	0	0	0	11	3	0	0	10	6	0	0	1	0	26	8	55	21	76
ENTC																							
FE	4	0	0	0	1	0	1	1	0	3	2	0	11	5	0	1	0	0	20	19	39	29	68
SE	2	3	0	0	1	0	0	2	2	4	2	0	7	9	2	0	0	0	18	20	34	38	72
TE	3	4	0	0	0	1	1	0	1	3	1	2	9	9	0	1	0	0	18	22	33	42	75
BE	3	1	0	0	0	0	1	0	2	5	1	1	6	8	3	1	0	0	21	18	37	34	71
COMPUTER																							

Mandatory Disclosure-2023-24

FE	8	3	2	0	1	1	1	1	1	4	3	3	0	22	12	1	0	0	0	43	32	85	52	137
SE	4	4	0	0	1	3	2	0	2	2	0	0	12	11	0	0	0	0	18	14	39	34	73	
TE	5	4	0	0	1	0	0	1	2	1	1	0	8	7	1	0	0	0	25	21	43	34	77	
BE	2	2	0	0	1	1	1	0	2	2	1	0	15	11	0	0	0	0	24	15	46	31	77	
I.T.																								
FE	3	2	0	0	2	0	2	0	4	1	1	0	9	6	1	0	0	0	22	15	44	24	68	
SE	3	3	0	0	1	1	0	2	4	1	0	1	7	7	0	1	0	0	29	15	44	31	75	
TE	4	2	0	0	1	0	1	1	2	2	0	1	8	7	0	0	0	0	26	20	42	33	75	
BE	4	2	0	0	1	0	3	0	0	3	0	1	8	11	0	0	1	0	20	24	37	41	78	
AIDS																								
FE	5	3	1	0	2	1	1	1	8	2	2	1	26	18	0	1	0	0	34	32	79	59	138	
SE	3	4	0	0	1	0	2	0	1	1	2	1	9	7	0	0	0	0	29	16	47	29	76	
TE	5	2	0	0	1	0	1	0	1	2	0	1	8	10	1	1	0	0	25	18	42	34	76	
BE	3	5	0	0	0	0	0	1	1	2	0	1	17	9	0	0	0	0	25	13	46	31	77	
Total:	108	66	6	1	31	11	26	13	115	61	33	16	306	187	17	8	3	0	684	421	1329	784	2113	

Post Graduate: Academic Year : 2023-24

Branch	SC		ST		DT/VJ (NT-A)		NT 1 (NT-B)		NT 2 (NT-C)		NT 3 (NT-D)		OBC		SBC		SEBC		OPEN		Total		Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
SE																							
ME-I	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	2	8	2	10
ME-II	1	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	4	3	8	3	11
AIDS																							
ME-I	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	3	3
ME-II	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
R&A																							
ME-I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	2
ME-II	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CE																							
ME-I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ME-II	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Total:	2	1	0	0	2	0	0	0	1	0	0	0	0	1	0	0	0	0	13	7	18	9	28
Gross Total:	110	67	6	1	33	11	26	13	116	61	33	16	306	188	17	8	3	0	697	428	1347	793	2141

Mandatory Disclosure-2023-24

Under graduate and post Graduate 2022-23

Branch	S C		S T		DT/VJ		NT 1(N)		NT 2(N)		NT 3(N)		O B C		SBC		SEBC		OPEN		Total		Total	Bran
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F		
CIVIL																								
FE	5	2	0	0	2	0	0	0	9	2	2	0	3	1	0	0	0	0	25	6	46	11	57	301
SE	5	3	1	0	3	0	1	1	2	1	7	1	14	3	1	0	0	0	24	9	58	18	76	
TE	4	3	0	0	2	0	0	0	5	1	1	0	8	4	1	0	0	0	34	12	55	20	75	
BE	5	4	0	0	0	2	2	1	8	3	4	1	14	5	2	0	18	5	11	8	64	29	93	
MECHANICAL																								
FE	4	1	0	0	1	0	1	0	9	1	0	0	15	1	0	0	0	0	27	6	57	9	66	307
SE	3	1	0	0	1	0	0	0	8	1	1	0	11	2	0	0	0	0	31	11	55	15	70	
TE	5	1	0	0	2	0	2	0	6	0	3	0	14	2	1	0	0	0	37	4	70	7	77	
BE	8	3	0	0	1	0	2	0	7	0	1	0	20	0	0	1	13	0	33	5	85	9	94	
ELECTRICAL																								
FE	8	1	0	0	1	0	0	0	3	4	1	0	16	1	0	0	0	0	17	10	46	16	62	306
SE	2	2	1	0	0	2	1	0	12	1	0	1	11	6	1	0	0	0	26	10	54	22	76	
TE	6	3	0	1	1	0	0	0	12	3	0	0	10	6	0	0	1	0	27	8	57	21	78	
BE	6	3	0	0	2	2	2	0	10	1	2	0	22	6	1	0	5	2	19	7	69	21	90	
ENTC																								
FE	3	3	0	0	1	0	0	2	2	2	2	0	7	8	2	0	0	0	18	17	35	32	67	338
SE	4	4	0	0	0	1	1	0	1	3	1	2	10	9	0	1	0	0	18	22	35	42	77	
TE	5	1	0	0	0	0	1	0	2	5	1	1	6	8	3	1	0	0	22	18	40	34	74	
BE	3	4	0	0	0	0	1	10	7	0	0	14	16	1	1	12	9	19	23	59	61	120		
COMP																								
FE	4	2	0	0	1	0	2	0	4	1	0	0	13	9	0	0	0	0	18	14	42	26	68	309
SE	4	4	0	0	1	1	0	1	2	1	1	0	8	7	1	0	0	0	26	21	43	35	78	
TE	3	2	0	0	1	1	1	0	3	2	1	0	15	11	0	0	0	0	24	15	48	31	79	
BE	2	4	0	1	2	1	3	0	1	5	0	0	11	8	0	1	9	7	14	15	42	42	84	
I.T.																								
FE	2	3	0	0	2	0	0	2	4	1	0	1	7	5	0	1	0	0	26	14	41	27	68	307
SE	4	2	0	0	1	0	1	1	2	2	0	1	8	7	0	0	0	0	28	20	44	33	77	
TE	4	2	0	0	1	0	3	0	0	3	0	1	8	11	0	0	1	0	21	24	38	41	79	
BE	6	3	0	0	0	1	1	2	5	4	0	1	14	8	1	1	9	6	8	13	44	39	83	
AIDS																								
FE	3	3	0	0	1	0	2	0	1	1	1	1	9	6	0	0	0	0	27	13	44	24	68	222
SE	5	2	0	0	1	0	1	0	1	2	0	1	8	10	1	1	0	0	25	19	42	35	77	
TE	3	5	0	0	0	0	1	1	2	0	1	17	9	0	0	0	0	0	25	13	46	31	77	
BE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total:	116	71	2	2	28	11	27	12	130	59	29	13	313	169	16	8	68	29	630	357	1359	731	2090	
ME																								

Mandatory Disclosure-2023-24

Branch	S C		S T		DT/VJ (NT 1 (NT		NT 2 (NT		NT 3 (NT		O B C		S B C		SEBC		OPEN		Total		Total	Branch
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F		
S E																								
ME-I	1	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	4	3	9	3	12	23
ME-II	1	1	0	0	0	0	0	0	3	0	1	0	0	0	1	0	0	0	3	1	9	2	11	
AIDS																								
ME-I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	5
ME-II	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	2	2	4	
R&A																								
ME-I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	1
ME-II	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total:	2	2	0	0	2	0	0	0	5	0	1	0	0	0	1	0	0	0	10	6	21	8	29	29
Gross Total:	118	73	2	2	30	11	27	12	135	59	30	13	313	169	17	8	68	29	640	363	1380	739	2119	2119

Under Graduate and Post Graduate - 2021-22

Branch	S C		S T		DT/VJ (NT 1 (NT		NT 2 (NT		NT 3 (NT		O B C		S B C		SEBC		OPEN		Total		Total	Branch
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F		
CIVIL																								
F E	3	0	1	0	2	0	0	0	1	1	6	1	5	1	0	0	0	0	13	6	31	9	40	282
S E	4	4	0	0	2	0	0	0	5	1	1	0	8	4	1	0	0	0	34	13	55	22	77	
T E	5	4	0	0	0	2	2	1	8	3	4	1	14	5	2	0	18	5	11	8	64	29	93	
B E	2	3	0	0	1	1	4	0	5	1	2	2	12	6	1	1	0	1	23	7	50	22	72	
MECHANICAL																								
F E	3	0	0	0	0	0	1	0	6	0	0	1	6	1	0	0	0	0	25	8	41	10	51	288
S E	6	1	0	0	2	0	2	0	6	0	3	0	14	2	1	0	0	0	37	4	71	7	78	
T E	8	3	0	0	1	0	2	0	7	0	1	0	20	0	0	1	13	0	33	5	85	9	94	
B E	3	1	0	0	1	1	0	0	6	0	1	0	16	6	1	0	3	0	19	7	50	15	65	
ELECTRICAL																								
F E	1	1	1	0	0	1	1	0	11	2	0	1	8	4	1	0	0	0	19	7	42	16	58	298
S E	6	3	0	1	1	0	1	0	12	3	0	0	10	6	0	0	1	0	27	8	58	21	79	
T E	6	3	0	0	2	2	2	0	11	1	2	0	22	6	1	0	5	2	19	7	70	21	91	
B E	6	5	0	0	1	1	2	0	4	2	0	1	7	4	2	1	0	6	18	10	40	30	70	
ENTC																								
F E	3	3	0	0	0	1	1	0	1	4	1	2	9	7	0	1	0	0	14	21	29	39	68	361
S E	5	1	0	0	0	0	1	0	2	6	1	1	6	8	3	1	0	0	22	18	40	35	75	
T E	4	4	0	0	0	0	0	1	10	7	0	0	15	16	1	1	12	9	19	23	61	61	122	
B E	2	4	0	0	0	0	0	0	2	4	1	1	11	5	1	1	4	3	25	32	46	50	96	

18.11. Admission Procedure

Mention the admission test being followed, name and address of the Test Agency and its URL

- MHT-CET : <http://www.dtemaharashtra.gov.in/mhtcet2018/index.html>
- JEE Main : <https://jeemain.nta.nic.in/about-jeemain-2022>

Number of seats allotted to different Test Qualified candidate separately (AIEEE/ CET (State conducted test/ University tests/ CMAT/ GPAT)/ Association conducted test)

1. DTE through MHT-CET (65%)
2. DTE through JEE (15%)
3. Institute Level through MHT-CET (20%)
4. TFWS (5%)
5. J&K & GOI Over and above seats (As per Competitive Authority)
6. EWS(10%)

Calendar for admission against Management seats:

Last date of request for applications	Wednesday, 02/08/2023 upto 5 pm
Last date of submission of applications	Wednesday , 02/08/2023 upto 5pm
Display of Merit list on notice board	Wednesday , 23/08/2022 upto 10 am.
Admission confirmation	Wednesday, 23/08/2023 , 3 to 6 pm.

The waiting list shall be activated only on the expiry date of main list. Admission against vacant seats, if any, will be considered strictly on merit basis. The policy of refund of fee , in case of withdrawal admission shall be clearly notified as per information brochure of Government of Maharashtra.

18.12. Criteria and Weightages for Admission

Describe each criterion with its respective weightages i.e. Admission Test, marks in qualifying Examination

- Admissions in Institutional Quota and vacant seats after CAP.- The Director or Principal of the institution shall carry out the admissions for these seats in the following manner. -
- A. Admissions shall be made in a transparent manner and strictly as per the Inter-Se-Merit of the Candidates who have applied to the Competent Authority for verification of documents and then to the Institution.
 - B Information brochure or prospectus of the Institution which specifies rules of admission should be published well before the commencement of the process of admission. All the information in the brochures should also be displayed on the Institution's website.
 - C Institution shall invite applications by notifying schedule of admission and the number of seats in each course to be filled by the institution, by advertisement on the website of the institution. Aspiring Candidates fulfilling the eligibility criteria as notified by the Government and specified by the appropriate authority, from time to time, shall apply to the Principal or Director of the respective institution for admission at the Institution level as provided in rule 3(4)(b) and shall be filled in on the basis of Inter-Se-Merit prepared by following the procedure specified in 8(3).
 - D The institution after verification of all required documents shall prepare and display the Inter-Se-merit lists of the Candidates to be filled in at the institution level, in the Institutional Quota and Supernumerary

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- Quota of OCI / PIO, Foreign National, Children's of Indian workers in Gulf Countries along with the vacant seats after CAP, on the notice board and shall publish the same on the website of the institution.
- E The Minority or Non-Minority institution intending to surrender the Institutional Quota (in part or full) of specified courses to the CAP shall communicate two days before the display of seat matrix of CAP Round I and the same shall be allotted as per the rules of CAP. The Institutes shall not be allowed to surrender Institutional quota seats thereafter All the admissions and cancellations shall be updated instantly through online system.
- F If any CAP seat remains or becomes vacant after the CAP Rounds, then the same shall be filled in by the Candidate from the same Category for which it was earmarked during the CAP. Further if the seats remain vacant then the seats shall be filled on the basis of Inter-Se-Merit of the applicants.

Mention the minimum level of acceptance, if any

- i The Candidate should be an Indian National;
 - ii Passed HSC or its equivalent examination with Physics and Mathematics as compulsory subjects along with one of the Chemistry or Biotechnology or Biology or Technical Vocational subjects, and obtained at least 50% marks (at least 45% marks, in case of Backward class categories and Persons with Disability candidates belonging to Maharashtra State only) in the above subjects taken together and The Candidate should have appeared in all the subjects in MHT-CET 2018 and should obtain non zero score in MHT-CET 2018.
- Or
- iii Passed Diploma in Engineering and Technology and obtained at least 50% marks (at least 45% marks, in case of Backward class categories and Persons with Disability candidates belonging to Maharashtra State only);

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

Sr. No.	Branch	2023-24		2022-23		2021-22	
		UG	PG	UG	PG	UG	PG
1	Civil Engineering	58.13	--	36.17	--	32.2	8.98
2	Mechanical Engineering	65.32	NA	57.72	NA	45.17	NA
3	Electrical Engineering	66.05	NA	54.12	NA	45.17	NA
4	E&TC Engineering	83.37	NA	77.63	NA	72.46	NA
5	Computer Engineering	92.31	NA	91.48	NA	89.81	NA
6	Information Technology	90.59	NA	89.24	NA	87.25	NA
7	Artificial Intelligence and Data Science	88.51	8.09	87.25	8.09	79.78	8.09

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

There is no any Test on Institute Level. Admissions shall be made in a transparent manner and strictly as per the Merit of the Candidates who have applied to the Institution. While filling these seats the preference shall be given to the Maharashtra State Candidature Candidates on the basis of Inter-Se-Merit.

18.13. List of Applicants

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

Under Graduate (UG):

Merit No	Application ID	Name of Candidate	Category	CET Marks
1	EN23199027	Ranaware Parth Dattatray	OPEN	92.28
2	EN23169710	Neharkar Bhakti Anil	OBC	91.01
3	EN23215133	Surwase Anuj Sanjay	OPEN	90.04
4	EN23135903	Wagh Radha Danesh	OBC	89.35
5	EN23161922	Pawar Snehal Harishchandra	OPEN	89.17
6	EN23219328	Sapkal Anushka Datakumar	OPEN	88.99
7	EN23157325	Ingale Shravani Ashok	OPEN	88.07
8	EN23155798	Oswal Rohita Manoj	OPEN	87.50
9	EN23116203	Jadhav Muyuresh	OPEN	87.41
10	EN23106297	Gaikwad Tanvi Suresh	OPEN	87.25
11	EN23118713	Jagtap Sanjana Santosh	OPEN	87.05
12	EN23102221	Bandgar Shreni Navnath	NT-C	87.05
13	EN23129701	Pawar Tanisha Milind	OPEN	86.55
14	EN23146238	Godse Akash Yuraj	OPEN	86.03
15	EN23217126	Karne Rushikesh Kundan	OBC	86.01
16	EN23210655	Yadav Divya Amol	OPEN	85.61
17	EN23231240	Deychowbhury Rohan	OPEN	85.47
18	EN23177675	Dalavi Avishkar Sandip	OBC	85.25
19	EN23223213	Bhandare Vedika Vinit	OPEN	85.25
20	EN23219632	Gaikwad Pranita Dipak	OBC	85.19
21	EN23224486	Kadam Mangesh Balasaheb	OPEN	84.51
22	EN23193111	Tamane Shriya Mithun	OBC	84.46
23	EN23181670	Gawate Pawan Devanand	OBC	84.46
24	EN23124725	Narute Ganesh Anil	NT-C	84.46
25	EN23195392	Pawar Samarth Bhagwan	OBC	84.20
26	EN23197595	Yadav Rohan Jotiram	OPEN	84.05
27	EN23193112	Kadam Vishnavi Mahadev	OBC	83.43
28	EN23150825	Janjale Rohan Ramrao	OPEN	83.40
29	EN23130949	Shahid Amir Mulani	OBC	83.40
30	EN23161056	Mane Arnav Deepak	OPEN	83.40
31	EN23120720	Adling Amruta Gorakh	OBC	83.40
32	EN23228534	Pawar Shreeram Sandeep	OPEN	83.38
33	EN23209453	Bhapkar Sujit Rajendra	OPEN	83.34
34	EN23257846	Rania Sanadi	OPEN	83.34
35	EN23210581	Kulkarni Apurva Nitin	OPEN	83.34
36	EN231837506	Dhamal Niraj Anil	OPEN	82.46
37	EN23179371	Gadhawe Yash Chandrashekhar	OBC	82.33
38	EN23201684	Udgirkar Pratiksha Santosh	OPEN1	82.31
39	EN23256189	Kadam Tanishq Abasaheb	OPEN	82.31
40	EN23212770	Kapse Samiksha Sachin	OPEN	82.31
41	EN23190965	Nimbalkar Shivani Sachin	OPEN	82.31
42	EN23243886	Mahadik Vedantika Nandkumar	OPEN	81.85
43	EN23225174	Pawar Ajitesh Jitendra	OPEN	81.48
44	EN23226128	Wagh Sarthak Balaso	OPEN	81.48
45	EN23190176	Pawar Siddhi Ravindra	OPEN	81.11
46	EN23145655	Waghmode Rajesh Santosh	NT-C	81.11
47	EN23139640	Dhote Soham Vivek	OBC	81.03

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48	EN23191174	Gaikwad Shrusti Ranjit	OPEN	81.03
49	EN23165871	Dhumal Sahil Bhagwan	OPEN	80.73
50	EN23183139	Deshmukh Yash Sanjay	OPEN	80.41
51	EN23255861	Padwal Anjali Ganesh	OPEN	80.23
52	EN23244440	Magar Jayesh Bandu	OBC	80.07
53	EN23110742	Kendale Saurabh Baburao	OBC	80.07
54	EN23176637	DESHMUKH SAEED PANKAJRAJ	OPEN	79.81
55	EN23170902	Danawale Aditya Sachin	OPEN	79.80
56	EN23208019	Kale Vaishnavi Chandulal	OPEN	79.80
57	EN23221673	Bondre Pranjali Anandrao	OBC	79.78
58	EN23205621	Bondre Shalaka Sunil	OPEN	79.46
59	EN23254255	Jadhav Amey Rajendra	OPEN	79.39
60	EN23186874	More Aditya Sanjay	OPEN	79.26
61	EN23183453	Tobare Shubham Partap	OPEN	78.71
62	EN23189906	Kudale Karan Navnath	OBC	78.41
63	EN23195232	Patil Manaswi Vijaykumar	OPEN	78.40
64	EN23177451	Nanaware Aniket Balaso	OBC	78.34
65	EN23201867	Kale Mrunal Nitin	OPEN	78.34
66	EN23155389	Ithape Abhijeet Uttam	OPEN	78.33
67	EN23184097	Jadhav Vaibhav Santosh	OPEN	78.33
68	EN23144359	Bhoite Shreya Sanjay	OPEN	78.11
69	EN23165048	Jarande Dnyanraj Suresh	NT-2 C	78.06
70	EN23148151	Mane Yashraj Himmat	OPEN	77.99
71	EN23162640	Jagdale Namrata Sanjay	OPEN	77.42
72	EN23180248	Taware Atharva Ramesh	OPEN	77.41
73	EN23125201	Kadam Srushti Somnath	OPEN	77.00
74	EN23209806	Mulik Manjiri Fattesinh	OPEN	76.84
75	EN23232176	Hole Jydeep Sharad	OBC	76.83
76	EN23146188	Dhumal Siddhi Sambhaji	OPEN	76.71
77	EN23240284	Raskar Shardul Rajendra	OBC	76.71
78	EN23159626	Dhavan Harshavadhan Pramod	OPEN	76.28
79	EN23151197	Kanse Akash Rajendra	OPEN	76.28
80	EN23184663	Divekar Vaishnavi Vasant	OPEN	76.04
81	EN23177683	Sawant Sejal Rakesh	OPEN	75.86
82	EN23151490	Bhosale Kalyani Bhausaheb	OPEN	75.86
83	EN23141610	Gawade Payal Dilip	OBC	75.34
84	EN23120184	Katgaonkar Sudhan Nagesh	OPEN	75.34
85	EN23153653	Nimbalkar Suhani Bharat	OPEN	75.16
86	EN23243293	Dere Tejas Rajendra	OPEN	75.13
87	EN23162068	Salunkhe Dhanyata Dhanaji	OPEN	75.13
88	EN23165829	Salunkhe Rajdeep Nitin	OPEN	75.07
89	EN23185890	Kadav Vedika Laxman	OPEN	75.07
90	EN23211505	Kadam Shivtej Santosh	OPEN	75.07
91	EN23188100	Shitole Sanket Arun	OPEN	74.86
92	EN23167944	Saste Aniket Appaso	OPEN	74.46
93	EN23218783	Vaishnavi Ganesh Ghode	OPEN	74.46
94	EN23206463	Karale Saurabh Navnath	OPEN	74.46
95	EN23162323	Devkar Karan Navnath	OBC	74.19
96	EN23125086	Sayyad Arshad Aslam	OPEN	74.07
97	EN23149801	Gosavi Tejas Prashant	Open	74.07
98	EN23210850	Satav Sarthak Santosh	OPEN	74.07
99	EN23218905	Karve Aditya Rajendra	OBC	73.25
100	EN23145560	Kakade Adesh Vikram	OPEN	73.25
101	EN23218713	Jagtap Abhinav Ajinath	OBC	73.25
102	EN23209301	Shinde Suhani Sanjay	OBC	73.25
103	EN23140781	Rohit Pandurang varat	OPEN	73.18
104	EN23103295	Snawane Yashraj Satish	OPEN	73.18

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105	EN23147813	Gore Sandip Ganpat	OBC	72.61
106	EN23190064	Shaikh Fiza Riyaj	OPEN	72.61
107	EN23242436	Dhembare Sakshi Dattatray	OPEN	72.61
108	EN23234777	Ghadge Vijay Kailas	OPEN	72.39
109	EN23151461	Shitole Harshada Santosh	OPEN	71.98
110	EN23153026	Shitole Sakshi Dttatray	OPEN	71.98
111	EN23250395	Nimbalkar Mayuri Nitin	OPEN	71.66
112	EN23128996	Bhore Arti Ashruba	OPEN	71.40
113	EN23188846	Sayali Yuraj Jadhav	EWS	71.40
114	EN23250175	Bhosale Raviraj Dattatray	OPEN	71.35
115	EN23164272	Kulal Dinesh Popat	NT-C	79.16
116	EN23248721	Ghadage Purva Pramod	OPEN	71.16
117	EN23159004	KATE SHIVANI SHIVAJI	OPEN	71.06
118	EN23235612	Thorat Trupti Jaywant	OPEN	70.61
119	EN23181374	Pawar Shreyash Nand	OPEN	70.61
120	EN23178987	Kale Prathmesh Shrinivas	NT-C	70.61
121	EN23164253	Gaikwad Aarya Laxman	OPEN	70.61
122	EN23189622	Shete Rohan Vijay	OBC	70.51
123	EN23148415	Khartode Sunny Sunil	NT-C	69.65
124	EN23249541	Gawade Rutuja Vijay	NT-C	69.59
125	EN23248739	Khose Om Prakash	OPEN	69.30
126	EN23186359	Ibatti Siddhi Ramdas	OPEN	69.30
127	EN23146559	Raskar Amit Savata	OBC	69.03
128	EN23210631	More Abhishek Gorak	OPEN	69.03
129	EN23213518	Patil Auprva Manohar	OPEN	69.03
130	EN23179674	Tamboli Masira Asharafali	OBC	69.03
131	EN23211015	Sapkal Sai Dadaso	OPEN	69.03
132	EN23185860	Burungale Aditya Balaso	NT-C	68.93
133	EN23248389	Hilal Aryan Sachin	OPEN	68.93
134	EN23200250	Mahajan Atharva Pravin	OBC	68.93
135	EN23186171	KARWA MAYUR RAJGOPAL	OPEN	68.81
136	EN23172594	Jadhav Tanmay Santosh	OPEN	68.40
137	EN23234314	Lokhande Yash Dattatrya	SC	68.38
138	EN23131298	Sinha Ujawala	OPEN	68.38
139	EN23 151523	Nalawade Amarjit Dada	OPEN	67.95
140	EN23109158	Panga Brahmadevesh Reddy	OPEN	67.95
141	EN23179032	Lalage Dhanashri Hanumant	NT-C	67.57
142	EN23104431	Hargvde Apekshita Navnath	OBC	67.15
143	EN23150488	Khumbhar Akansha Sachin	OBC	66.90
144	EN23151308	Retharekar Vinay Vijaykumar	OPEN	66.81
145	EN23235832	Shelke Shubham Yogesh	OPEN	66.67
146	EN23180342	Khartode Aayush Satish	NT-C	66.67
147	EN23180781	Sawant Mayuresh Abhay	OPEN	66.43
148	EN23104221	Tambe Atharv Akshay	OBC	66.39
149	EN23223455	Barge Srushtri Jitendra	OPEN	66.39
150	EN23232794	Gund Aniket Bharat	OBC	66.39
151	EN23250527	Shaikh Jiya Rajjak	OPEN	66.39
152	EN23188401	Doiphode Rijuta Satyavijay	SBC	66.39
153	EN23162210	Thorat Shreyash Dhanaji	NT-B	66.05
154	EN23211988	Mahajan Sharvari Suhas	OBC	66.05
155	EN23235021	Patil Vishwas Anant	OPEN	65.96
156	EN23232214	Zanzane Abhishek Harishchandra	OPEN	65.32
157	EN23144589	Dhanke Anurag Mahadev	OPEN	65.10
158	EN23190560	More Bhakti Sanjay	OPEN	65.03
159	EN23180984	Shinde Nisarg Santosh	OPEN	65.03
160	EN23186283	Pol Dnyaneshwari Sandip	OPEN	64.48
161	EN23218376	Bhosale Arya Rahul	OPEN	64.48

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162	EN23253362	Wadkar Sahil Balaso	OPEN	64.45
163	EN23235835	Dhumal Onkar Subhash	OBC	64.45
164	EN23189042	Mandhare Shrikant Yogesh	OPEN	63.69
165	EN23109453	Zagade Esha Sachin	OBC	63.69
166	EN23187821	Bansude Shubham Ravindra	OBC	63.69
167	EN23135004	Survase Pratik Dadasaheb	OPEN	63.65
168	N23164768	Patil Onkar Rajendra	OPEN	62.73
169	EN23267105	Sapkal Jaydeep Hanumant	OPEN	62.73
170	EN23182875	Phalphale Prajwal Vasat	OPEN	62.73
171	EN23155574	Shaikh Taufik Abdul	OBC	62.48
172	EN23168111	Dere Sakshi Vivek	OPEN	61.63
173	EN23200556	Burungali Shubham Chandrakant	NT-C	61.63
174	EN23150346	More Yashraj Balasaheb	OPEN	61.43
175	EN23154861	RajeNimbalkar Rushikesh Manoj	OPEN	61.43
176	EN23186908	Patankar Renuka Abasaheb	OPEN	61.29
177	EN23212215	Dhalpe Vaishnavi Gajanan	NT-C	60.97
178	EN23139423	Nigade Atharva Yogesh	OPEN	60.87
179	EN23178240	Mulla Asifraja Farukh	OBC	60.75
180	EN23188186	Dhaygud Aditya Bayaji	NT-C	60.75
181	EN23179495	Chavan Pranjal Hemant	OPEN	60.75
182	EN23209078	Karche Prathmesh Somnath	OBC	59.92
183	EN23218646	Zagade Om Tushar	OBC	59.91
184	EN23208508	Shitole Siddhant Rajendra	OPEN	59.91
185	EN23145346	Pawar Ashutosh Jaywant	OPEN	58.74
186	EN23109487	Khalate Yash Santosh	OPEN	58.54
187	EN23177290	Mehta Tanish Ninad	OPEN	58.54
188	EN23153425	Bhosale Prithviraj Deepak	OPEN	58.13
189	EN23200062	Jagtap Atharav Pravin	OPEN	58.30
190	EN23137882	Hanchate Swaroop Dinesh	OBC	58.13
191	EN23226438	Ghorpade Janhavi Vijay	OPEN	58.11
192	EN23232631	Raut Shreyash Sanjay	OBC	57.72
193	EN23254357	Tamboli Abujar Hanifbhai	OBC	57.72
194	EN23149228	Randive Atharva Nitin	OPEN	57.72
195	EN23207180	Wagmare Pratish kiran	SC	56.73
196	EN23216857	Nalawade Pratiksha Anil	OPEN	55.89
197	EN23167828	Teli Vivek Sunil	OBC	55.44
198	EN23163804	Pawar Prasad Anil	OPEN	55.44
199	EN23131213	Mahamuni Omkar Santosh	OBC	55.44
200	EN23184341	Kadav Shreya Bharat	OPEN	55.29
201	EN23144223	Jagtap Subhashita Kiran	OPEN	55.27
202	EN23191928	Indalkar Mihika Santosh	OBC	54.69
203	EN23187130	Shinde Ratnadeep Sunil	OPEN	54.62
204	EN23171293	Gurav Sadanand Pradip	OBC	54.62
205	EN23156469	KALE SHREYASH HANUMANT	OPEN	54.62
206	EN23101679	Jagtap Ankita Santosh	OPEN	54.62
207	EN23219993	Jadhav Rutuja Lahu	OPEN	53.81
208	EN23106564	Satav Pranali Ashok	OBC	52.74
209	EN23174416	Kundap Adwait Atul	OBC	52.74
210	EN23233355	Nale Divya Ganesh	OBC	52.74
211	EN23183880	Urade Vishwesh Vikram	NT-C	52.55
212	EN23272631	Shaikh Ahatesham Salim	OPEN	52.55
213	EN23168128	Ghuge Divya Dadarao	OBC	52.55
214	EN23114834	Jagdale Pranav Shivaji	OPEN	52.24
215	EN23166700	Nawale Harshal Dhananjay	OPEN	52.24
216	EN23181025	Nagargoje Samarth Suresh	NT-3	51.47
217	EN23237023	Bhosale Saujanya Baburao	OPEN	51.05
218	EN23220669	Mane Aditya Sayaji	OPEN	50.80

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219	EN23203486	Sakunde Kiran Hanumant	OPEN	50.26
220	EN23201013	Mendgule Kanishq Shrikant	OBC	50.26
221	EN23178300	Aher Sakshi Sushil	OPEN	50.26
222	EN23243356	Bhosale Anushka GANESH	OPEN	49.55
223	EN23211520	Despande Parth Tushar	OPEN	49.47
224	EN23180213	Lonkar Sanskruti Vijay	OBC	49.47
225	EN23227778	Bade Namrata Anil	NT-D	49.22
226	EN23183591	GAWADE PRANAV VIKAS	NT-C	48.97
227	EN23208631	Kate Gayatri Santosh	OPEN	48.05
228	EN23163967	Pawar Sangram Devidas	OPEN	48.97
229	EN23161051	Gawade Sahil Santosh	NT-C	48.05
230	EN23203880	Tambile Vaishnavi Vaman	OPEN	47.38
231	EN23155485	Mahadik Disha Mahadev	OPEN	47.38
232	EN23149511	Shendage Abhishek Nanasahab	NT-C 2	46.85
233	EN23133186	Kale Yash Bhagwat	OPEN	46.44
234	EN23190638	Khamgal Prashant Sachin	NT-C	45.84
235	EN23154586	Bodake Pradip Chandrakant	OPEN	45.64
236	EN23218090	Kharade Abhishek Prakash	OPEN	45.64
237	EN23254931	Dhumal Shivraj Hemant	OPEN	44.68
238	EN23243616	Kurlekar Om Vinayak	OPEN	44.05
239	EN23277152	Khandagale Vedant Smbhaji	OPEN	44.05
240	EN23145984	Sakunde Onkar Bharat	OPEN	43.50
241	EN23156024	Dhekane Vaibhavi Umakant	OPEN	43.22
242	EN23180371	Chavan Viraj Vilas	OPEN	43.22
243	EN23263151	Atole Atish Uttam	NT-C	43.11
244	EN23206231	Kalkhaire Siddhesh Vitthal	OPEN	42.92
245	EN23258436	Inamdar Sania Ibrahim	OBC	42.92
246	EN23183417	Shikilkar Danishali Najirahmad	NT-B	42.92
247	EN23168499	Wakade Anjali Yogesh	OPEN	42.59
248	EN23192315	Inamdar Ali Riyaj	OPEN	42.42
249	EN23220659	Deshmukh Abhishek Govindrao	OPEN	42.42
250	EN23245632	Bandgar Vishvajit Maruti	NT-C	41.16
251	EN23161040	Malav Omkar Ramesh	NT-1	41.16
252	EN23207883	Shende Ritesh Sunil	OBC	41.16
253	EN23175985	Ranaware Amar Mhendra	OPEN	40.65
254	EN23191753	Shinde Vedant Mahadev	OPEN	39.96
255	EN23126848	Bhramanna Mayuresh Dhananjay	OPEN	39.78
256	EN23153458	Pawar Ritesh Prabhakar	OPEN	39.43
257	EN23204464	Patil Sae Jaywant	OBC	39.43
258	EN23219357	Paliwal Anish Sunil	OPEN	39.43
259	EN23144124	Jagtap Aditya Satish	OPEN	39.43
260	EN23243888	Pasale Sujal Annasheb	OPEN	39.43
261	EN23196201	Walke Anushka Yashwant	OBC	39.43
262	EN23243751	Bhapkar Pooja Santosh	OPEN	39.03
263	EN23250933	Sutar Arya Dhananjay	OBC	38.99
264	EN23180760	Kondhalkar Tanmayee Sandeep	OPEN	38.83
265	EN23211044	Nikam Nikhil Sanjay	OPEN	38.83
266	EN23232382	Kale Shivraj Bapu	OPEN	37.73
267	EN23218361	Sawant Samruddhi Sandip	OPEN	37.73
268	EN23180821	Dhanke Anuj Mahadev	OPEN	37.69
269	EN23232444	Ghodake Shrinath Laxman	OPEN	37.12
270	EN23205235	Jadhav Jayraj Gajanan	OPEN	36.60
271	EN23177141	Rode Rohit Hanumant	OPEN	36.58
272	EN23223717	Bharane Amit Ramesh	NT-C	36.35
273	EN23255262	Bhakare Pranaya Suhas	OPEN	36.35
274	EN23244445	Girigosavi Pranav Sangram	NT-B	36.02
275	EN23224731	Kotkar Vaishnavi Sunil	OPEN	35.62

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276	EN23181588	Gawade Atharv Santosh	OPEN	35.62
277	EN23156352	Bodake Suyash Somnath	OPEN	35.62
278	EN23179320	Balgude Pranjal Balaso	OPEN	35.62
279	EN23122535	Kotale Mrunal Deepak	DT-VJ	35.13
280	EN23223118	Atpadkar Pratik Vitthal	OBC	34.13
281	EN23220113	Mulani Mahek Isak	OBC	34.13
282	EN23231742	Menkedule Shreddha Sashikant	OBC	34.13
283	EN23154513	Dhumal Vaibhav Ravindra	OPEN	33.24
284	EN23224597	Wanave Somnath Ashok	NT-D	32.88
285	EN23176512	Jagtap Kshitij Hanumant	OPEN	32.66
286	EN23120737	Shivale Mayur Virendra	OPEN	32.36
287	EN23137021	Samiya Arshad Sayyad	OPEN	31.72
288	EN23191648	Kapase Rajhuraj Nilkanth	OPEN	29.34
289	EN23211101	Kadam Ratnesh Vijay	OPEN	28.10
290	EN23149488	Bhapkar Ashutosh Dattatray	OPEN	27.32
291	EN23215115	Sutar Niranjana Ramesh	OBC	27.32
292	EN23177066	Bhagat Saumitra Vilas	OPEN	26.20
293	EN23223282	Sawant Shruti Balasaheb	OPEN	26.20
294	EN23245936	Sawant Darshan Namdev	OPEN	26.20
295	EN23189324	Shejal Sakshi Appasaheb	NT-C	26.05
296	EN23188135	Tamboli Muzamil Raju	OBC	26.05
297	EN23186912	MansuKe Om Dattatray	OBC	25.54
298	EN23221725	Jadhav Chinmay chandrakant	OPEN	25.30
299	EN23223691	Jagtap Prachi Govind	OPEN	24.05
300	EN23208222	Ingavale Deshmukh Aarya Dinesh	OPEN	23.22
301	EN23144830	Salunkhe Prathamesh Sanjay	OBC	23.22
302	EN23164156	Chandgude Pravin Rajendra	OPEN	22.88
303	EN23241140	Kanase Shreyash Chandrakant	OPEN	22.88
304	EN23176731	kapse Irantappa	OPEN	21.91
305	EN23179750	Nalini Sanjay Salunkhe	OPEN	20.93
306	EN23129594	Mane Shivam Mahendra	SC	20.92
307	EN23234230	Thorat Sahil Sangram	NT-B	20.92
308	EN23185839	Teli Om Suraj	OBC	20.92
309	EN23237696	Anpat Samrudhi Balasaheb	OPEN	20.92
310	EN23121372	Nanaware Saniya Santosh	OBC	20.92
311	EN23160239	Gore Prajakta Ganesh	OBC	20.56
312	EN23176584	Kumbhar Tejasvi Santosh	OBC	19.65
313	EN23164641	Deokate Parimal Vijaykumar	NT-2 C	19.10
314	EN23204901	Kalbhore Neelam Shivaji	OPEN	18.90
315	EN23133459	Dawker Omkar Vilas	OPEN	18.44
316	EN23142398	Kate Parth Dipak	OPEN	17.70
317	EN23146229	Vyawahare Kalyani Mangesh	OPEN	17.70
318	EN23219276	Agam Mayur Ashok	OBC	17.70
319	EN23211555	Limbore Abhijeet Pandharinath	OPEN	16.23
320	EN23245215	Jagtap Siddhi Bandu	OPEN	15.68
321	EN23201325	Taware Srushti Sanjay	OPEN	15.68
322	EN23231613	Bhange Ranjit Maruti	OPEN	15.68
323	EN23180778	Pawar Aman Anil	OPEN	15.54
324	EN23103995	Kulkarni Atharv Samir	OPEN	15.19
325	EN23186862	Kadam Shakshi Suhash	OPEN	15.19
326	EN23252821	Kulthe Siddhi Sachinkumar	OBC	15.02
327	EN23231346	Tambe Ashok Mahadev	NT-C	13.31
328	EN23166785	Thorat Saurabh Sevak	SC	13.22
329	EN23183565	Pawar Sarthak Santosh	OPEN	12.86
330	EN23193367	Kasawe Ajinkay Vijay	NT-2 C	12.86
331	EN23192666	Jadhav Vedant Sunil	OPEN	11.71
332	EN23234704	Patil Rohan Jayant	OPEN	11.15

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333	EN23117289	Rahinj Rutik Devidas	NT-2	11.09
334	EN23126903	Khetre Sharaya Sharad	OBC	10.74
335	EN23116683	Bhosale Jayesh Sudhir	OPEN	8.71
336	EN23200628	More Jagruti Sudhir	OPEN	8.27
337	EN23218308	Kumbhar Neha Vilas	OBC	7.73
338	EN23214652	Patil Atharv Santosh	OPEN	7.25
339	EN23236501	More Viraj Rahul	OPEN	5.02
340	EN23143104	Mishra Nishtha Harendraprasad	OPEN	2.33
341	EN23219975	Ithape Divya Jagannath	OPEN	2.26
342	EN23148308	Ballal Chetan Pralhad	SC	1.41
JEE List of Applicants		Name of candidate	Category	JEE Marks
343	EN23261000	Choudhari Riteshkumar Rohitkumar	OBC	89.13
344	EN23240284	Raskar Shardul Rajendra	OBC	82.15
345	EN23182875	Phalphale Prajwal Vasat	OPEN	81.14
346	EN23183453	Tobare Shubham Partap	OPEN	79.78
347	EN23110742	Kendale Saurabh Baburao	OBC	79.77
348	EN23120184	Katgaonkar Sudhan Nagesh	OPEN	77.48
349	EN23101679	Jagtap Ankita Santosh	OPEN	77.14
350	EN23133459	Dawker Omkar Vilas	OPEN	76.99
351	EN23248721	Ghadage Purva Pramod	OPEN	76.98
352	EN23170902	Danawale Aditya Sachin	OPEN	76.94
353	EN23130949	Shahid Amir Mulani	OBC	76.86
354	EN23199027	Ranaware Parth Dattatray	OPEN	76.56
355	EN23185839	Teli Om Suraj	OBC	76.49
356	EN23149228	Randive Atharva Nitin	OPEN	76.24
357	EN23231240	Deychowbhury Rohan	OPEN	76.17
358	EN23164272	Kulal Dinesh Popat	NT-C	75.94
359	EN23211298	Vidya Poorinima Yuvaraj	OPEN	75.52
360	EN23140781	Rohit Pandurang varat	OPEN	72.77
361	EN23149801	Gosavi Tejas Prashant	Open	72.44
362	EN23226438	Ghorpade Janhavi Vijay	OPEN	71.84
363	EN23137882	Hanchate Swaroop Dinesh	OBC	71.84
364	EN23190176	Pawar Siddhi Ravindra	OPEN	71.00
365	EN23106297	Gaikwad Tanvi Suresh	OPEN	70.74
366	EN23165829	Salunkhe Rajdeep Nitin	OPEN	70.33
367	EN23250933	Sutar Arya Dhananjay	OBC	67.42
368	EN23145560	Kakade Adesh Vikram	OPEN	67.33
369	EN23187821	Bansude Shubham Ravindra	OBC	67.24
370	EN23116683	Bhosale Jayesh Sudhir	OPEN	67.05
371	EN23235835	Dhumal Onkar Subhash	OBC	65.21
372	EN23139273	Dawkar Ayush Bhagwat	Open	65.21
373	EN23131298	Sinha Ujawala	OPEN	65.05
374	EN23141610	Gawade Payal Dilip	OBC	64.78
375	EN23177451	Nanaware Aniket Balaso	OBC	64.25
376	EN23212770	Kapse Samiksha Sachin	OPEN	64.06
377	EN23254255	Jadhav Amey Rajendra	OPEN	62.45
378	EN23197595	Yadav Rohan Jotiram	OPEN	62.27
379	EN23235832	Shelke Shubham Yogesh	OPEN	61.98
380	EN23162210	Thorat Shreyash Dhanaji	NT-B	61.96
381	EN23204464	Patil Sae Jaywant	OBC	60.69
382	EN23187130	Shinde Ratnadeep Sunil	OPEN	60.69
383	EN23193111	Tamane Shriya Mithun	OBC	60.38
384	EN23155574	Shaikh Taufik Abdul	OBC	59.76
385	EN23154586	Bodake Pradip Chandrakant	OPEN	59.65
386	EN23218905	Karve Aditya Rajendra	OBC	59.63
387	EN23144223	Jagtap Subhashita Kiran	OPEN	59.59
388	EN23212215	Dhalpe Vaishnavi Gajanan	NT-C	59.49

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389	EN23180821	Dhanke Anuj Mahadev	OPEN	58.57
390	EN23181670	Gawate Pawan Devanand	OBC	58.36
391	EN23213518	Patil Auprva Manohar	OPEN	57.87
392	EN23231346	Tambe Ashok Mahadev	NT-C	57.87
393	EN23144589	Dhanke Anurag Mahadev	OPEN	57.43
394	EN23210581	Kulkarni Apurva Nitin	OPEN	56.81
395	EN23142398	Kate Parth Dipak	OPEN	56.79
396	EN23209453	Bhapkar Sujit Rajendra	OPEN	56.70
397	EN23245936	Sawant Darshan Namdev	OPEN	56.22
398	EN23233355	Nale Divya Ganesh	OBC	55.48
399	EN23151308	Retharekar Vinay Vijaykumar	OPEN	54.96
400	EN23165048	Jarande Dnyanraj Suresh	NT-2 C	54.76
401	EN23234314	Lokhande Yash Dattatrya	SC	54.34
402	EN23184341	Kadav Shreya Bharat	OPEN	54.24
403	EN23217126	Karne Rushikhesh Kundan	OBC	53.35
404	EN23188401	Doiphode Rijuta Satyavijay	SBC	52.14
405	EN23235021	Patil Vishwas Anant	OPEN	51.85
406	EN23179371	Gadhawe Yash Chandrashekhar	OBC	51.46
407	EN23244445	Girigosavi Pranav Sangram	NT-B	51.39
408	EN23191753	Shinde Vedant Mahadev	OPEN	51.09
409	EN23159004	KATE SHIVANI SHIVAJI	OPEN	50.77
410	EN23256189	Kadam Tanishq Abasaheb	OPEN	50.70
411	EN23179674	Tamboli Masira Asharafali	OBC	49.71
412	EN23135903	Wagh Radha Danesh	OBC	49.66
413	EN23207883	Shende Ritesh Sunil	OBC	49.38
414	EN23190965	Nimbalkar Shivani Sachin	OPEN	48.95
415	EN23126903	Khetre Sharaya Sharad	OBC	48.63
416	EN23210850	Satav Sarthak Santosh	OPEN	47.45
417	EN23143104	Mishra Nishtha Harendraprasad	OPEN	47.09
418	EN23186359	Ibatti Siddhi Ramdas	OPEN	47.08
419	EN23195392	Pawar Samarth Bhagwan	OBC	46.30
420	EN23181580	Nigade Prathmesh Sudhir	OPEN	46.13
421	EN23185890	Kadav Vedika Laxman	OPEN	45.79
422	EN23148415	Khartode Sunny Sunil	NT-C	45.76
423	EN23195232	Patil Manaswi Vijaykumar	OPEN	45.53
424	EN23227778	Bade Namrata Anil	NT-D	45.25
425	EN23181025	Nagargoje Samarth Suresh	NT-3	45.05
426	EN23220113	Mulani Mahek Isak	OBC	43.91
427	EN23219975	Ithape Divya Jagannath	OPEN	43.34
428	EN23244440	Magar Jayesh Bandu	OBC	42.85
429	EN23176512	Jagtap Kshitij Hanumant	OPEN	42.00
430	EN23216857	Nalawade Pratiksha Anil	OPEN	41.42
431	EN23219276	Agam Mayur Ashok	OBC	41.40
432	EN23178240	Mulla Asifraja Farukh	OBC	40.25
433	EN23153653	Nimbalkar Suhani Bharat	OPEN	39.84
434	EN23223213	Bhandare Vedika Vinit	OPEN	39.84
435	EN23183565	Pawar Sarthak Santosh	OPEN	39.74
436	EN23255861	Padwal Anjali Ganesh	OPEN	38.81
437	EN23192315	Inamdar Ali Riyaj	OPEN	38.81
438	EN23188186	Dhaygud Aditya Bayaji	NT-C	38.51
439	EN23117289	Rahinj Rutik Devidas	NT-2	38.48
440	EN23203880	Tambile Vaishnavi Vaman	OPEN	38.37
441	EN23211015	Sapkal Sai Dadaso	OPEN	37.62
442	EN23179495	Chavan Pranjal Hemant	OPEN	37.62
443	EN23157325	Ingale Shravani Ashok	OPEN	37.19
444	EN23169710	Neharkar Bhakti Anil	OBC	37.01
445	EN23176637	DESHMUKH SAEER PANKAJRAJ	OPEN	36.01

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446	EN23183417	Shikilkar Danishali Najirahmad	NT-B	36.00
447	EN23190638	Khamgal Prashant Sachin	NT-C	36.00
448	EN23 151523	Nalawade Amarjit Dada	OPEN	34.87
449	EN23211988	Mahajan Sharvari Suhas	OBC	34.87
450	EN23181374	Pawar Shreyash Nand	OPEN	34.56
451	EN23228534	Pawar Shreeram Sandeep	OPEN	33.84
452	EN23177675	Dalavi Avishkar Sandip	OBC	33.33
453	EN23129594	Mane Shivam Mahendra	SC	33.18
454	EN23200628	More Jagruti Sudhir	OPEN	32.75
455	EN23161040	Malav Omkar Ramesh	NT-1	32.29
456	EN23242436	Dhembare Sakshi Dattatray	OPEN	31.38
457	EN23257846	Rania Sanadi	OPEN	29.86
458	EN23191648	Kapase Rajhuraj Nilkanth	OPEN	29.34
459	EN23200062	Jagtap Atharav Pravin	OPEN	27.90
460	EN23201013	Mendgule Kanishq Shrikant	OBC	27.90
461	EN23103995	Kulkarni Atharv Samir	OPEN	27.90
462	EN23243293	Dere Tejas Rajendra	OPEN	27.81
463	EN23184097	Jadhav Vaibhav Santosh	OPEN	27.81
464	EN23241140	Kanase Shreyash Chandrakant	OPEN	27.54
465	EN23207180	Wagmare Pratish kiran	SC	27.34
466	EN23234704	Patil Rohan Jayant	OPEN	26.91
467	EN23156352	Bodake Suyash Somnath	OPEN	26.81
468	EN23177683	Sawant Sejal Rakesh	OPEN	25.22
469	EN23218376	Bhosale Arya Rahul	OPEN	24.32
470	EN23180778	Pawar Aman Anil	OPEN	24.13
471	EN23208631	Kate Gayatri Santosh	OPEN	23.30
472	EN23128996	Bhore Arti Ashruba	OPEN	23.02
473	EN23224486	Kadam Mangesh Balasaheb	OPEN	22.34
474	EN23243886	Mahadik Vedantika Nandkumar	OPEN	21.78
475	EN23218783	Vaishnavi Ganesh Ghode	OPEN	21.63
476	EN23139640	Dhote Soham Vivek	OBC	21.08
477	EN23186171	KARWA MAYUR RAJGOPAL	OPEN	20.58
478	EN23145984	Sakunde Onkar Bharat	OPEN	20.48
479	EN23188135	Tamboli Muzamil Raju	OBC	20.37
480	EN23201325	Taware Srushti Sanjay	OPEN	19.82
481	EN23250527	Shaikh Jiya Rajjak	OPEN	19.82
482	EN23161051	Gawade Sahil Santosh	NT-C	18.92
483	EN23186862	Kadam Shakshi Suhash	OPEN	18.54
484	EN23211555	Limbore Abhijeet Pandharinath	OPEN	18.21
485	EN23224597	Wanave Somnath Ashok	NT-D	18.05
486	EN23231613	Bhange Ranjit Maruti	OPEN	17.99
487	EN23218308	Kumbhar Neha Vilas	OBC	17.96
488	EN23219357	Paliwal Anish Sunil	OPEN	17.06
489	EN23188100	Shitole Sanket Arun	OPEN	16.11
490	EN23223118	Atpadkar Pratik Vitthal	OBC	16.01
491	EN23243616	Kurlekar Om Vinayak	OPEN	16.01
492	EN23176731	kapse Irantappa	OPEN	14.61
493	EN23272631	Shaikh Ahatesham Salim	OPEN	14.54
494	EN23220659	Deshmukh Abhishek Govindrao	OPEN	13.50
495	EN23120737	Shivale Mayur Virendra	OPEN	13.13
496	EN23232176	Hole Jydeep Sharad	OBC	12.83
497	EN23122535	Kotale Mrunal Deepak	DT-VJ	11.95
498	EN23171293	Gurav Sadanand Pradip	OBC	11.95
499	EN23245215	Jagtap Siddhi Bandu	OPEN	11.53
500	EN23215133	Surwase Anuj Sanjay	OPEN	11.50
501	EN23218646	Zagade Om Tushar	OBC	10.67
502	EN23103295	Snawane Yashraj Satish	OPEN	9.10

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503	EN23145655	Waghmode Rajesh Santosh	NT-C	9.05
504	EN23215115	Sutar Niranjan Ramesh	OBC	8.43
505	EN23126848	Bhramanna Mayuresh Dhananjay	OPEN	8.36
506	EN23146229	Vyawahare Kalyani Mangesh	OPEN	7.21
507	EN23164768	Patil Onkar Rajendra	OPEN	6.39
508	EN23181588	Gawade Atharv Santosh	OPEN	5.74
509	EN23236501	More Viraj Rahul	OPEN	4.10
510	EN23189622	Shete Rohan Vijay	OBC	4.01
511	EN23131213	Mahamuni Omkar Santosh	OBC	3.49

18.14 Results of Admission under Management seats/Vacant seats

Composition of selection team for admission under Management Quota with the brief profile of Members (This information be made available in the public domain after the admission process is over)

Sr. No.	Name of Staff	Department	Nature of Work
1	Dr. Disale Anil	First Year Engg.	Admission Coordinator
2	Mr. Ambole Rajaram	Computer Engg.	Assistant Coordinator (FE)
3	Mr. Bhagwat Vishal	Mech. Engg.	Assistant Coordinator (DSE)
4	Dr. Samadhan Morkhade	Civil Engg.	Assistant Coordinator (ME)
5	Mr. Khartode Rushikesh	Civil Engg	Assistant Coordinator (B.Voc)
6	Dr. Disale Anil	First Year Engg.	Assistant Coordinator (IL)
7	Mr. Sonawane Deepak	First Year Engg.	Member
8	Mrs. Bhoite Gauri	First Year Engg.	Member
9	Dr. Patil Anil	First Year Engg.	Member
10	Dr. Jadhav Nitin	First Year Engg.	Member
11	Dr. Shelke Nitin	First Year Engg.	Member
12	Mrs. Ghadage Supriya	First Year Engg.	Member
13	Mr. Jadhav Amol	First Year Engg.	Member
14	Dr. Gawande Vipin	Mech. Engg.	Member
15	Dr. Todkari Vinod	Mech. Engg	Member
16	Mr. Dhandore Pravin	Mech. Engg	Member
17	Mr. Bhosale Deepak	Mech. Engg	Member
18	Mrs. Kulkarni Jyoti	Electrical Engg.	Member
19	Mr. Ajinkya Golande	Electrical Engg..	Member
20	Mr. Madan Jadhav	E&TC Engg	Member
21	Mrs. Surwase Varsha	E&TC Engg.	Member
22	Mr. Dhage Shrikant	Computer Engg.	Member
23	Ms. Shah Nikita	Computer Engg.	Member
24	Mr. Wagh Sachin	Computer Engg.	System/Network Administrator
25	Mr. Dadaso Taware	E. & TC. Engg.	Technical Support
26	Mr. Jeewan Sonwane	E. & TC. Engg.	Technical Support
27	Mr. Nimbalkar Umesh	E. & TC. Engg.	Member
28	Mr. Dhumal Sunil	E. & TC. Engg.	Member
29	Mr. Santosh Gade	E&TC Engg.	Member
30	Mrs. Jagtap Kusumanjali	Information Technology	Member
31	Mrs. Zargad Rupali	Computer Engg.	Member
32	Mrs. Sonali Jagtap	AI&DS	Member
33	Mr. Jadhav Rajaram	Electrical Engg.	Member
34	Mr. Magar Santosh	Electrical Engg.	Member
35	Mr. Kate Udhav	Mech. Engg.	Member
36	Mr. Milind Utpat	Mech Engg	Member
37	Mr. Rahul Nimbalkar	Mech. Engg.	Member
38	Mr. Taware Dipak	Mech. Engg.	Member

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39	Mr. Sutar Dhananjay	Mech Engg	Member
40	Mr. Shendge Sadashiv	Mech. Engg.	Member
41	Mr. Thombare Vinitkumar	Mech Engg	Member
42	Mr. Kadhane Sudam	Mech Engg	Member
43	Mr. Sunil Markad	Civil Engg.	Member
44	Mr. Nitin Jadhav	First Year Engg.	Member
45	Mr. Jagtap Nandkumar	First Year Engg.	Member
46	Mr. Vhargar Bramhdev	First Year Engg.	Member
47	Mr. Ganesh Khalate	First Year Engg.	Member
48	Mr. Ovekar Prakash	Library(Xerox Facility)	Member

List of candidates admitted under Management quota/vacant seats

Sr. No.	Branch	Application ID	Candidate Name	Category	Type	Admission Date
1	Artificial Intelligence and Data Science	EN23102221	BANDGAR SHRENI NAVNATH	OPEN	IL	26-08-2023
2	Artificial Intelligence and Data Science	EN23187821	BANSUDE SHUBHAM RAVINDRA	OBC	IL	26-08-2023
3	Artificial Intelligence and Data Science	EN23144359	BHOITE SHREYA SANJAY	OPEN	IL	26-08-2023
4	Artificial Intelligence and Data Science	EN23205621	BONDRE SHALAKA SUNIL	OPEN	IL	27-08-2023
5	Artificial Intelligence and Data Science	EN23185860	BURUNGALE ADITYA BALASO	OPEN	IL	26-08-2023
6	Artificial Intelligence and Data Science	EN23200556	BURUNGALE SHUBHAM CHANDRAKANT	NT 2 (NT-C)	IL	26-08-2023
7	Artificial Intelligence and Data Science	EN23243293	DERE TEJAS RAJENDRA	OPEN	IL	26-08-2023
8	Artificial Intelligence and Data Science	EN23162323	DEVKAR KARAN NAVNATH	OBC	IL	26-08-2023
9	Artificial Intelligence and Data Science	EN23186256	DHAME NAYAN SAMBHAJI	OPEN	IL	26-08-2023
10	Artificial Intelligence and Data Science	EN23164253	GAIKWAD AARYA LAXMAN	OPEN	IL	26-08-2023
11	Artificial Intelligence and Data Science	EN23219632	GAIKWAD PRANITA DIPAK	OBC	IL	26-08-2023
12	Artificial Intelligence and Data Science	EN23141610	GAWADE PAYAL DILIP	OBC	IL	27-08-2023
13	Artificial Intelligence and Data Science	EN23249541	GAWADE RUTUJA VIJAY	NT 2 (NT-C)	IL	26-08-2023

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14	Artificial Intelligence and Data Science	EN23218783	GHODE VAISHNAVI GANESH	OPEN	IL	27-08-2023
15	Artificial Intelligence and Data Science	EN23147813	GORE SANDIP GANPAT	OBC	IL	26-08-2023
16	Artificial Intelligence and Data Science	EN23137882	HANCHATE SWAROOP DINESH	OPEN	IL	26-08-2023
17	Artificial Intelligence and Data Science	EN23218713	JAGTAP ABHINAV AJINATH	OPEN	IL	27-08-2023
18	Artificial Intelligence and Data Science	EN23101679	JAGTAP ANKITA SANTOSH	OPEN	IL	26-08-2023
19	Artificial Intelligence and Data Science	EN23165048	JARANDE DNYANRAJ SURESH	NT 2 (NT-C)	IL	27-08-2023
20	Artificial Intelligence and Data Science	EN23209078	KARCHE PRATHMESH SOMNATH	OBC	IL	26-08-2023
21	Artificial Intelligence and Data Science	EN23109487	KHALATE YASH SANTOSH	OPEN	IL	26-08-2023
22	Artificial Intelligence and Data Science	EN23148151	MANE YASHRAJ HIMMAT	OPEN	IL	05-08-2023
23	Artificial Intelligence and Data Science	EN23182926	NIKAM MANOJ DIPAK	OPEN	IL	27-08-2023
24	Artificial Intelligence and Data Science	EN23213518	PATIL APURVA MANOHAR	OPEN	IL	26-08-2023
25	Artificial Intelligence and Data Science	EN23180778	PAWAR AMAN ANIL	OPEN	IL	26-08-2023
26	Artificial Intelligence and Data Science	EN23181374	PAWAR SHREYASH NAND	OPEN	IL	17-08-2023
27	Artificial Intelligence and Data Science	EN23129701	PAWAR TANISHA MILIND	OPEN	IL	26-08-2023
28	Artificial Intelligence and Data Science	EN23154861	RAJE NIMBALKAR RUSHIKESH MANOJ	OPEN	IL	16-08-2023
29	Artificial Intelligence and Data Science	EN23149228	RANDIVE ATHARVA NITIN	OPEN	IL	27-08-2023
30	Artificial Intelligence and Data Science	EN23177683	SAWANT SEJAL RAKESH	OPEN	IL	27-08-2023
31	Artificial Intelligence and Data Science	EN23235832	SHELKE SHUBHAM YOGESH	OPEN	IL	26-08-2023
32	Artificial Intelligence and Data Science	EN23149514	SHENDAGE ABHISHEK NANASAHEB	NT 2 (NT-C)	IL	27-08-2023

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33	Artificial Intelligence and Data Science	EN23151461	SHITOLE HARSHADA SANTOSH	OPEN	IL	26-08-2023
34	Artificial Intelligence and Data Science	EN23250933	SUTAR ARYA DHANANJAY	OBC	IL	17-08-2023
35	Artificial Intelligence and Data Science	EN23109453	ZAGADE ESHA SACHIN	OPEN	IL	26-08-2023
36	Civil Engineering	EN23264625	NIMBALKAR SHREYASH SANDIP	OPEN	IL	26-08-2023
37	Civil Engineering	EN23291845	PHADTARE DISHANT DEEPAK	OPEN	IL	26-08-2023
38	Computer Engineering	EN23223213	BHANDARE VEDIKA VINIT	OPEN	IL	27-08-2023
39	Computer Engineering	EN23218376	BHOSALE ARYA RAHUL	OPEN	IL	27-08-2023
40	Computer Engineering	EN23151490 EN23153425	BHOSALE KALYANI BHAUSAHEB	OPEN	IL	27-08-2023
41	Computer Engineering	EN23153425	BHOSALE PRITHVIJEET DEEPAK	OPEN	IL	27-08-2023
42	Computer Engineering	EN23179495	CHAVAN PRANJAL HEMANT	OPEN	IL	17-08-2023
43	Computer Engineering	EN23177675	DALAVI AVISHKAR SANDIP	OBC	IL	27-08-2023
44	Computer Engineering	EN23170902	DANAWALE ADITYA SACHIN	OPEN	IL	27-08-2023
45	Computer Engineering	EN23176637	DESHMUKH SAEED PANKAJRAJ	OPEN	IL	27-08-2023
46	Computer Engineering	EN23183139	DESHMUKH YASH SANJAY	OPEN	IL	27-08-2023
47	Computer Engineering	EN23179371	GADHAVE YASH CHANDRASHEKHAR	OBC	IL	27-08-2023
48	Computer Engineering	EN23191174	GAIKWAD SHRUSHTI RANJIT	OPEN	IL	27-08-2023
49	Computer Engineering	EN23226438	GHORPADE JANHAVI VIJAY	OPEN	IL	27-08-2023
50	Computer Engineering	EN23149801	GOSAVI TEJAS PRASHANT	OPEN	IL	13-08-2023
51	Computer Engineering	EN23157325	INGALE SHRAVANI ASHOK	OPEN	IL	27-08-2023

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52	Computer Engineering	EN23254255	JADHAV AMEY RAJENDRA	OPEN	IL	27-08-2023
53	Computer Engineering	EN23172594	JADHAV TANMAY SANTOSH	OPEN	IL	27-08-2023
54	Computer Engineering	EN23223691	JAGTAP PRACHI GOVIND	OPEN	IL	27-08-2023
55	Computer Engineering	EN23144223	JAGTAP SUBHASHITA KIRAN	OPEN	IL	04-08-2023
56	Computer Engineering	EN23224486	KADAM MANGESH BALASAHEB	OPEN	IL	16-08-2023
57	Computer Engineering	EN23168780	KADAM PREM ANIL	OPEN	IL	27-08-2023
58	Computer Engineering	EN23193112 EN23145560	KADAM VAISHNAVI MAHADEV KAKADE ADESH VIKRAM	OBC	IL	27-08-2023 27-08-2023
59	Computer Engineering	EN23212770	KAPSE SAMIKSHA SACHIN	OPEN	IL	27-08-2023
60	Computer Engineering	EN23181968	KATE ADESH DHANAJI	OPEN	IL	27-08-2023
61	Computer Engineering	EN23224731	KOTKAR VAISHNAVI SUNIL	OPEN	IL	27-08-2023
62	Computer Engineering	EN23210581	KULKARNI APURVA NITIN	OPEN	IL	27-08-2023
63	Computer Engineering	EN23228608	PALSHIKAR TANMAY PRASHANT	OPEN	IL	27-08-2023
64	Computer Engineering	EN23164768	PATIL ONKAR RAJENDRA	OPEN	IL	27-08-2023
65	Computer Engineering	EN23204464	PATIL SAEЕ JAYWANT	OBC	IL	27-08-2023
66	Computer Engineering	EN23204464	PAWAR SAMARTH BHAGWAN	OBC	IL	27-08-2023
67	Computer Engineering	EN23257846	RANIA SANADI	OPEN	IL	27-08-2023
68	Computer Engineering	EN23193111	TAMHANE SHRIYA MITHUN	OBC	IL	27-08-2023
69	Computer Engineering	EN23197759 5	YADAV ROHAN JOTIRAM	OPEN	IL	27-08-2023

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70	Electrical Engineering	EN23166640	BHOITE YASH RAJENDRA	OPEN	IL	26-08-2023
71	Electrical Engineering		BHOSALE ANUSHKA GANESH	OPEN	IL	26-08-2023
72	Electrical Engineering	EN23186171	KARWA MAYUR RAJGOPAL	OPEN	IL	26-08-2023
73	Electrical Engineering	EN23193367	KASAWE AJINKYA VIJAY	NT 2 (NT-C)	IL	26-08-2023
74	Electrical Engineering	EN23177290	MEHTA TANISH NINAD	OPEN	IL	26-08-2023
75	Electrical Engineering	EN23182943	SATO HRUTUJA MAHADEO	OBC	IL	26-08-2023
76	Electronics and Telecommunication Engg	EN23260243	BHOITE DNYANESHWARI JITENDRA	OPEN	IL	27-08-2023
77	Electronics and Telecommunication Engg	EN23232215	DHALPE VAISHNAVI GAJANAN	NT 2 (NT-C)	IL	27-08-2023
78	Electronics and Telecommunication Engg	EN23114834	JAGDALE PRANAV SHIVAJI	OPEN	IL	27-08-2023
79	Electronics and Telecommunication Engg	EN23211101	KADAM RATNESH VIJAY	OPEN	IL	27-08-2023
80	Electronics and Telecommunication Engg	EN23206231	KALKHAIRE SIDDHESH VITTHAL	OPEN	IL	27-08-2023
81	Electronics and Telecommunication Engg	EN23191648	KAPSE RAGHURAJ NILKANTH	OPEN	IL	27-08-2023
82	Electronics and Telecommunication Engg	EN23142398	KATE PARTH DIPAK	OPEN	IL	27-08-2023
83	Electronics and Telecommunication Engg	EN23131213	MAHAMUNI OMKAR SANTOSH	OBC	IL	27-08-2023
84	Electronics and Telecommunication Engg	EN23151523	NALAWADE AMARJIT DADA	OPEN	IL	27-08-2023
85	Electronics and Telecommunication Engg	EN23211044	NIKAM NIKHIL SANJAY	OPEN	IL	27-08-2023
86	Electronics and Telecommunication Engg	EN23219357	PALIWAL ANISH SUNIL	OPEN	IL	27-08-2023
87	Electronics and Telecommunication Engg	EN23163804	PAWAR PRASAD ANIL	OPEN	IL	27-08-2023
88	Electronics and Telecommunication Engg	EN23167944	SASTE ANIKET APPASO	OPEN	IL	27-08-2023

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89	Electronics and Telecommunication Engg	EN23224597	WANAVE SOMNATH ASHOK	NT 3 (NT-D)	IL	27-08-2023
90	Electronics and Telecommunication Engg	EN23232214	ZANZANE ABHISHEK HARISHCHANDRA	OPEN	IL	27-08-2023
91	Information Technology	EN23139640	DHOTE SOHAM VIVEK	OBC	IL	26-08-2023
92	Information Technology	EN23146188	DHUMAL SIDDHI SAMBHAJI	OPEN	IL	26-08-2023
93	Information Technology	EN23191928	INDALKAR MIHIKA SANTOSH	OBC	IL	26-08-2023
94	Information Technology	EN23201867	KALE MRUNAL NITIN	OPEN	IL	26-08-2023
95	Information Technology	EN23152469	KALE SHREYASH HANUMANT	OPEN	IL	26-08-2023
96	Information Technology	EN23208019	KALE VAISHNAVI CHANDULAL	OPEN	IL	26-08-2023
97	Information Technology	EN23159004	KATE SHIVANI SHIVAJI	OPEN	IL	14-08-2023
98	Information Technology	EN23180342	KHARTODE AAYUSH SATISH	NT 2 (NT-C)	IL	26-08-2023
99	Information Technology	EN23180213	LONKAR SANSKRUTI VIJAY	OBC	IL	26-08-2023
100	Information Technology	EN23210631	MORE ABHISHEK GORAKH	OPEN	IL	26-08-2023
101	Information Technology	EN23181025	NAGARGOJE SAMARTH SURESH	NT 3 (NT-D)	IL	26-08-2023
102	Information Technology	EN23186908	PATANKAR RENUKA ABASAHEB	OPEN	IL	26-08-2023
103	Information Technology	EN23225174	PAWAR AJITESH JITENDRA	OPEN	IL	26-08-2023
104	Information Technology	EN23228534	PAWAR SHREERAM SANDEEP	OPEN	IL	26-08-2023
105	Information Technology	EN23190176	PAWAR SIDDHI RAVINDRA	OPEN	IL	26-08-2023
106	Information Technology	EN23165829	SALUNKE RAJDEEP NITIN	OPEN	IL	26-08-2023
107	Information Technology	EN23166655	SHINDE SHIVRATNA VIKRAMSINH	OPEN	IL	26-08-2023
108	Information Technology	EN23120993	SURYAWANSHI MRUNMAYEE MADHAV	OPEN	IL	26-08-2023
109	Mechanical Engineering	EN23243014	DESHMUKH UNMESH SUHAS	OPEN	IL	26-08-2023
110	Mechanical Engineering	EN23200062	JAGTAP ATHARV PRAVIN	OPEN	IL	26-08-2023
111	Mechanical Engineering	EN23133186	KALE YASH BHAGWAT	OPEN	IL	26-08-2023
112	Mechanical Engineering	EN23254345	KHALEKAR VIPUL VINAYAK	OBC	IL	26-08-2023
113	Mechanical Engineering	EN23105372	KULKARNI NINAD MANDAR	OPEN	IL	26-08-2023
114	Mechanical Engineering	EN23214652	PATIL ATHARV SANTOSH	OPEN	IL	26-08-2023

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115	Mechanical Engineering	EN23214652	PATIL ATHARV SANTOSH	OPEN	IL	26-08-2023
116	Mechanical Engineering	EN23234265	SUTAR ADITYA SUBHASH	OBC	IL	26-08-2023

- Waiting list of the candidate in order of merit to be operative from the last date of joining of the first list candidate.
- Institution Merit list is generated by Student merit and admission given to student by Merit. application forms and information brochures are to be obtained from the college office and may also be downloaded from this website
- Completed application forms should be submitted on or before the notified date.
- Merit list will be notified on the college notice board as well as online.
- Candidates provisionally selected for admission should appear before the Admission Committee with parents/guardians.

18.15 Information of Infrastructure and other resources available

Information of Infrastructure

Number of Class Rooms and size of each	18(Size:66 Sq.M.)
Number of Tutorial rooms and size of each	06 (Size:33 Sq.M.)
Number of Laboratories and size of each	64 (Size :66 Sq.M.)
Number of Drawing Halls with capacity of each	01 (Capacity-100 Seats)
Number of Computer Centers with capacity of each	01 (Capacity- 150Seats)
Central Examination Facility, Number of rooms and capacity of each	01 (150 capacity)
Online examination Facility (no. of nodes and internet Bandwidth)	No. nodes. 814, Internet bandwidth 500Mbps(1:1)
Barrier Free Built Environment for disabled and elderly persons	Yes
Occupancy Certificate	Yes
Fire and Safety Certificate	Yes
Hostel Facilities: Boys Hostel Boys Hostels (B - Capacity 150 Students) Boys Hostels(C - Capacity 198 Students) Boys Hostels (D - Capacity 490 Students) Separate Dining Hall for Each Boys Hostel Girls Hostel Photo Girls Hostel (A - Capacity - 408 students) Girls Hostel (D - Capacity - 490 students) Separate Dining Hall for Each Girls Hostel	Yes

Library

List of books and journals

SN	Course	Total Number of Titles	Total Number of volumes	Number of Journals		
				Print		Online
				National	International	International
Under Graduate:						
1	Computer Engineering	2070	5255	06	-	(IEEE + Springer Mechanical + ASCE packages (common for all departments))
2	Information Technology	1153	3138	06	-	
3	Elect. & Telecom. Engineering	1794	5765	06	-	
4	Mechanical Engineering	1703	4735	06	-	
5	Civil Engineering	1262	4231	06	-	
6	Electrical Engineering	714	1748	06	-	
7	Artificial Intelligence & Data Science	98	172	06	-	
8	General Science & Engineering	790	2227	04	-	
9	General books	2050	2468	00	-	
Post Graduate:						
1	Computer Engineering	187	428	06	06	
2	Electronics – Digital System	208	339	00	00	
3	Mechanical	134	175			
4	Mechanical – Design Eng.	193	251	06	06	
5	Civil - Structural Eng.	159	251	06	06	
Total :		12,516	31,184	64	18	419
e- Books		We have taken membership of to INFLIBNET E-ShodSindhu (N-List), this membership includes e-Books (1,95,809 titles)				

Library Facilities

VPKBIET Library plays a vital role in acquiring, organizing and disseminating knowledge. It has put in place policies and procedures, systems and services and ambience that facilitate knowledge required for understanding and strengthening of subjects in Engineering. Our Library has an excellent collection of books & Journals and other reading materials. It has a matching collection of CDROMs. Library operations are totally automated using commercial library management software

There is adequate infrastructure to meet its requirements and provides access to the collection through Online Public Access Catalogue (OPAC). It uses Bar-code Technology for transactions of books. The Library has a pool of 14 machines connected to the internet for surfing worldwide Knowledge Ocean, with a good number of CD-ROMs along with books.



Various important professional journals are accessible to staff and students. The Library and Reading Hall has capacity to accommodate 1/3 of total student's strength. During Preparation Period and Examinations, over 200 students take advantage of Library reading room facilities

Services

- ☞ Book Bank scheme
- ☞ Internet facility
- ☞ Home issue of Books
- ☞ Drop Box System for Book return
- ☞ Online Renewal of books
- ☞ Carrel (overnight) issue
- ☞ Online reservation of book
- ☞ Reading Hall
- ☞ Photocopy services
- ☞ Online Public Access Catalogue

List of online National/ International Journals subscribed:**List of Print Journals to be subscribed for 2022-23**

SN	Title	Issues	Department
1	Digit	12	Comp UG National
2	P.C.Quest	12	Comp UG National
3	Journal of Software Engineering & Technology	2	Comp UG National
4	Indian Journal of Computer Graphics & Techniques	2	Comp UG National
5	Journal of Advanced Research in Computer Engg.	2	Comp UG National
6	Progress in Computing Application	2	Comp UG National
7	STM Journal of Web Engineering & Technology	3	Comp PG National
8	Finance India	4	Comp PG National
9	Journal of Computer Science Applications	2	Comp PG National
10	Inventi - Information Security	2	Comp PG National
11	Inventi - Software Engineering	2	Comp PG National
12	ICTACT Journal on Soft Computing	2	Comp PG National
13	International Journal of Bioinformatics and Soft Computing	2	Comp PG International
14	International Journal of Intelligent Information Processing	2	Comp PG International
15	IOSR Journal of Computer Engineering	6	Comp PG International
16	International Journal of Cloud Computing & Database Management	2	Comp PG International
17	International Journal of Research in Computer Science & Engg.	6	Comp PG International
18	IAES International Journal of Artificial Intelligence	4	Comp PG International
19	Data Quest	12	IT UG National
20	IETE Journal of Education	4	IT UG National
21	Open Source for You (Old Title: Linux For You)	6	IT UG National
22	Journal of Digital Information Management	6	IT UG National
23	Journal of Information Security Research	4	IT UG National
24	The Journal of British Blockchain Association	2	IT UG National
25	International Journal of Data Mining Warehouse	2	AI& DS UG National
26	Journal Of Smart System And Technology	2	AI& DS UG National
27	Art India Magazine	4	AI& DS UG National
28	International Journal of Computing & Artificial Intelligence	2	AI& DS UG National
29	Journal of Data Analysis and Information Processing	4	AI& DS UG National
30	Journal of Data Processing	4	AI& DS UG National
31	IUP Journal of Telecommunication	4	E&Tc UG National
32	Electronics For You	12	E&Tc UG National
33	Indian Journal of Embedded system in Engineering Research	2	E&Tc UG National
34	IETE Journal of Research	2	E&Tc UG National
35	IETE Technical Review	6	E&Tc UG National
36	International Journal of Future Generation Communication & Networking	3	E&Tc UG National
37	Indian Journal of Mechanics & Thermodynamics	2	Mech UG National
38	Journal of modern Manufacturing Technoloy	2	Mech UG National
39	Automotive Abstracts	12	Mech UG National
40	Cooling India	4	Mech UG National

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41	Indian Journal of Marketing	12	Mech UG National
42	IEJ Springer Journal Series -D (Metallurgical & Material and Mining)	2	Mech UG National
SN	Title	Issues	Department
43	Journal of Institute of India :Series C (Aerospace / Mechanical /Production / Marine series - C)	6	Mech PG National
44	Indian Journal of Training and Development (IJTD)	4	Mech PG National
45	Indian Journal of Automation & Robotics	2	Mech PG National
46	Journal of Mechatronics Automation	3	Mech PG National
47	Journal of Advancement in Robotics	3	Mech PG National
48	Indian Journal of Advanced Mechatronics & Robotics	2	Mech PG National
49	International Journal of Advanced Mechatronics & Robotics	2	Mech PG International
50	International Journal of Mechanics and Design	2	Mech PG International
51	International Journal of Mechanical Handling of Automation	2	Mech PG International
52	Inventi Impact : robotics	4	Mech PG International
53	Inventi Impact : Sensing and Actuation	4	Mech PG International
54	IAES International Journal of Robotics and Automation	6	Mech PG International
55	Indian Concrete Journal	12	Civil UG National
56	Down to Earth	24	Civil UG National
57	Journal of Water Resources and Pollution Studies	3	Civil UG National
58	Indian Geotechnical Journal Springer Verlag	6	Civil UG National
59	Journal of Indian Water Works Association	4	Civil UG National
60	International Journal of Law, Human Rights & Constitutional Studies	4	Civil UG National
61	IUP Structural Engineering	4	Civil PG National
62	NICMAR Journal of Construction Management	4	Civil PG National
63	Journal of Structural Engineering , SERC Chennai	6	Civil PG National
64	Indian Road Congress J.+ Indian Highway	4	Civil PG National
65	Journal of Institute of India :Series A (IEJ Civil/ Agricultural/ Architectural/ Environmental series - A)	4	Civil PG National
66	Civil Engineering Infrastructures Journal	2	Civil PG National
67	Civil Engineering & Construction Review	12	Civil PG International
68	Construction Technology	12	Civil PG International
69	ACI Material Journal	6	Civil PG International
70	New Building Materials & Construction World	12	Civil PG International
71	AMC Indian Journal of Civil Engineering ISSN: 2581-8171	2	Civil PG International
72	International Journal of Design & Engineering	2	Civil PG International
73	Electrical India	12	Electrical UG National
74	IEEMA Journal	12	Electrical UG National
75	International Journal of Electrical Power And Energy Research	2	Electrical UG National
76	Journal of the Institute of India (1) : Series B	6	Electrical UG National
77	CIGRE India Journal	2	Electrical UG National
78	Journal of Electrical Engineering	4	Electrical UG National
79	Journal of Ramanujan Mathematical Society	4	General Science
80	Journal of English Language Teaching (ELTAI)	12	General Science
81	Pure and applied Physics	12	General Science
82	Indian Journal of Engineering & Material Science	6	General Science

E- Library facilities

1. We have an official Membership of IEEE (Institute of Electrical and Electronics Engineers), ASCE (American Society of Civil Engineers), and Springer Nature E-Journals Resource for the year 2023. In these databases, we are having 419 peer-reviewed journal access with back files.
2. We are also a member of DELNET (Developing Library Network). It helps the library users for an exhaustive search for literature and gets the required documents on loan through the library.

3. We have access to NPTEL teaching-learning material.
4. Our institute has a membership in the National digital library.

e-Resources:

- IEEE : <https://ieeexplore.ieee.org/Xplore/home.jsp>
- Springer : <https://link.springer.com/search/page/2?facet-discipline=%22Engineering%22&facet-content-type=%22Journal%22>
- American Society of Civil Engineers (ASCE) : <https://ascelibrary.org/>
- DELNET : <https://discovery1.delnet.in/>
- E-ShodhSindhu(N-LIST) : <https://nlist.inflibnet.ac.in/>
- National Digital Library (NDL) : <https://ndl.iitkgp.ac.in/>

List of Laboratory and Workshops***List of major equipment's /Facilities in each Laboratories/workshop******First Year Bachelor of Technology***

Name of Department	Name of Laboratory/workshop	Major Equipment in the Lab
First Year B.Tech.	PHYSICS LAB	CRO, Spectrometer, Ultrasonic Interferometer, Thomson's Expt. Kit, Basic Laser Kit, Ph Meter, Conductivity meter
	CHEMISTRY LAB	Electric Oven, Muffle Furnace, Water Distillation Plant, Water bath, pH-Meter, Digital Balances, pH-Meter, Colorimeter.
	LANGUAGE LAB	PC's=24, S/W Sever = 1, LCD Projector=1, Projector Screen = 1, Gols
	BASIC ELECTRICAL ENGINEERING LAB	"1.BEE Experimental set up (2 nos) 2. Home electrical wiring Training system -1"
	BASIC MECHANICAL ENGINEERING LAB	Steam engine with Boiler, Safety valves, Cochran Boiler, Gear Models, Boiler Models, Charts
	ENGINEERING MECHANICS LAB	Flywheel, Belt friction apparatus
	BASIC ELECTRONICS ENGINEERING LAB	Digital Storage Oscilloscope, Function Generators, DC Power supplies, Mustimeters, Electronic Components Kits, Multisim software
	BASIC CIVIL ENGINEERING LAB	Digital Planimeter, Dumpy or Auto level

Mechanical Engineering Department

Dept Name	Name of the Laboratory	Lab /Major Equipment
Mechanical Engineering	HEAT TRANSFER AND REFRIGERATION AND AIR CONDITIONING LAB	RAC Lab-Vapor Absorption Test Rig Ice Plant test Rig, Air Conditioning Test Rig & H.T.Lab-Thermal Conductivity , Emissivity Measurement Apparatus, Natural and Forced Convection Apparatus, Pin Fin Apparatus.
	FLUID MECHANICS LAB & TURBO MACHINERY LAB	Modified Bernoulli's theorem, A Combined System - Hydraulic Bench - with different Experimental setup attachments to conduct 10 experiments, Electrical Analogy Apparatus for drawing flow net, Pelton Wheel Turbine, Francis Turbine, Gear Pump Test Rig, Water supply & discharge, Centrifugal Test Rig, Reciprocating Pump Test Rig
	THERMODYNAMICS LAB	Bomb Calorimeter Gas Calorimeter Abels Flash Point Apparatus Pensky Martens Flash Point Apparatus, Orsat apparatus, I.C Engine components model
	ENGINEERING METALLURGY & METROLOGY AND QUALITY CONTROL LAB	Muffle Furnace Magnetic Particle tester Double Disc Polishing Machine Binocular Microscope (400X, 10), Dead weight pressure gauge tester, floating carriage diameter measuring machine
	MATERIAL TESTING LAB	Universal Testing Machine (400KN), Izod Impact Tester
	STEAM POWER PLANT LAB	Power Plant with Boiler, Steam turbine, Generator, Condenser, feed Pump, Throttling unit, Separator,
	ADDITIONAL WORKSHOP (MS)-UG	Machine Shop - Lathe Machines, Drilling Machine, Milling Machine, Shaping machine, Grinding Machines, etc.
	WORKSHOP-UG FITTING, CARPENTRY, BLACK SMITHY & WELDING SHOPS	Carpentry, Welding Shop, Plastic Moulding, Black Smithy & Tin Smithy, Fitting & Plumbing
	CAD LAB	Computers i3 -25 Quantity i5: 21 Qty, Softwares-ANSYS, SOLIDWORKS, Solid Edge, Master CAM, Auto Cad, MSC-Nastran

	SIMULATION LAB	HP Pro Tower 280 G9, SSCNC CNC Simulator Software, Witness Horizon Simulation Software, Automation Studio Simulation Software, RoboDK Simulation Software, Interface Kit for Automation Studio
	MECHATRONICS & AUTOMATION LAB	PLC & HMI Training Kit-Basic, PLC & HMI Training Kit-Advanced, Computer Controlled Electropneumatic Kit with PLC & Iiot, Computer Controlled Electrohydraulic Kit with Proportional Valve, PLC & Iiot, IIOT and PLC Based Sensor Training Kit Pneumatic Trainer Heat Exchanger Hydraulic Trainer Level & Flow Control trainer LVDT
	ADVANCED MANUFACTURING	3D Printer, CNC Lathe, CNC Vertical Machining Center
	I C ENGINE LAB	VCR Engine Test Rig, Computerized Diesel and Petrol Engine Test Rig, Exhaust Gas Analyzer
	VIB. & MECHANICS LAB & KOM LAB	Strain Indicator & Line Voltage Adapter, UTM(1000KN) with Extensometer, Vibration exciter with power oscillator, Universal Vibration Machine, Motorised Gyroscope, Static and Dynamics Balancing

Electrical Engineering Department

Name of Department	Laboratory	List of Equipment's available
Electrical Engineering	BASIC ELECTRICAL ENGINEERING	BEE Experimental set up (2 nos), Home electrical wiring Training system
	ELECTRICAL MACHINES II	3 Ph induction motor setup, 3 Ph alternator setup, 3 Ph synchronous motor setup
	ELECTRICAL MACHINES I AND EMI LAB	D.C. Series wound motor with brake load setup, 3 Ph induction motor and DC shunt generator setup, DC shunt motor and three phase alternator setup, AC Synchronous motor setup, Kelvin's double bridge With Galvanometer setup, Anderson's Bridge With Galvanometer setup, Displacement measurement By LVDT setup
	COMPUTER LAB (ELECT.) & MICROCONTROLLER LAB	21 Computer with ATP Draw, PIC Kit 2, MPLAB, Scilab.
	COMPUTER LAB-2	25 Computer with MATLAB.
	MATERIAL SCIENCE & HIGH VOLTAGE LAB	Schering Bridge Setup, B-H Curve Setup, Thermocouple Setup, 100 mm Sphere gap Setup

	High Voltage 100 kV AC and 100 kV DC Test Setup, Oil Test Setup, High Voltage Tester with Jig Setup
POWER SYSTEM & SWITCHGEAR PROTECTION LAB	Single Phase Transmission Line Training System Setup, Three Phase Transmission Line Training System Setup, Switchgear protective relay testing setup, Thermal over current relay setup, Percentage differential protection of transformer unit setup, Merz Price protection of Alternator unit setup, MCCB testing setup, Induction to digital overcurrent relay testing setup, MCB testing setup
POWER ELECTRONICS/ POWER QUALITY & PECD LAB	<p>VI Characteristics of SCR, DIAC and TRIAC, IGBT Characteristics Trainer,</p> <p>Single Phase Half wave and Full wave Converter, Three Phase Converter, Single Phase and Three Phase AC Voltage Regulator,</p> <p>Single Phase PWM inverter</p> <p>Chopper fed DC series motor</p> <p>1-ϕ half controlled drive</p> <p>1-ϕ full controlled drive</p> <p>3-ϕ full controlled drive</p> <p>3-ϕ half controlled drive</p> <p>3-ϕ voltage source inverter</p> <p>20 Amp, Auto Transformer Three Phase Air cooled Enclosed Type</p>
PLC AND SCADA LAB & CONTROL SYSTEM LAB	PLC kit, SCADA Software, Synchros-Modelling TF, AC servo motor, PI, PID Controller, Compensator
NETWORK ANALYSIS AND ELECTRICAL WORKSHOP	Experimental setup to verify Norton's, Superposition, Reciprocity Theorems for AC and DC supply, Experimental Setup to verify Thevenin's, Maximum power and Millman's Theorems for AC and DC supply, Experimental setup for transient analysis of RC, RL and RLC circuits, Experimental setup to determine Z, Y, ABCD parameters of two port network
ANALOG AND DIGITAL LAB	Digital IC trainer Kit (Nvis 6550) Soldering station digital (Nvis-81)

Computer Engineering Department

Name of Department	Name of the Laboratory	Lab /Major Equipment
Computer Engineering	DATABASE SYSTEM LAB	1) HP202 G2 DESKTOP Core i3 20 Q 2) D-LINK switch DES 1026 G 3) Wi Fi D link
	PARALLEL COMPUTING LAB	4) Acer Desktop Processor- I5 11th generation 20Q. 5) D-LINK switch DES 1026 G 6) Wi Fi D link
	ADVANCED NETWORK LAB	7) Acer Desktop Processor- I5 11th generation 20Q. 8) Data Projector Model-U5-512h DLP 9) HP Laserjet Model- PRO MFP M-132a 10) Wi Fi D link DIR-841 11) D-LINK switch DES 1026 G
	OPERATING SYSTEM LAB	12) 1 Acer Desktop Processor- I5 11th generation 20Q. 13) BeagleBone 7Q 14) Arm CORTEX A9 7Q 15) HP Laserjet 1020 16) HP Laserjet Model- PRO M104a 17) HP Laserjet Model- PRO M104a 18) D-LINK Switch DES 1026 G
	Post-Graduation Lab	19) DELL OPTIPLEX 390 DT 10Q 20) Projector 4000 LUMENS xga

Information Technology Department

Name of Department	Name of the Laboratory	Lab /Major Equipment
Information Technology	MACHINE LEARNING & COMPUTER VISION LAB	gcc , Mpicc, rmic Compiler, Netbeans, JDK 1.8,G++ Compiler with OpenGL.Packet Tracer, Anaconda with Jupyter Notebook for Python
	SOFTWARE LAB	gcc , Mpicc, rmic Compiler, Netbeans, JDK 1.8,Anaconda with Jupyter Notebook for Python,G++ Compiler with OpenGL
	PGD ERP LAB	Anaconda with Jupyter Notebook for Python, MySQL
	INFORMATION TECHNOLOGY LAB	Packet Tracer ,MySQL, Hadoop, Jupyter Notebook, Kali Linux OS
	SOFTWARE DEVELOPMENT LAB(SDL LAB)	MP lab 3.30,C18 Compiler, PIC Kit 2,JDK 1.8,Kali Linux OS
	NETWORK LAB(NL LAB)	MP lab 3.30,C18 Compiler, PIC Kit 2,VS Code Anaconda with Jupyter Notebook for Python

Artificial Intelligence and Data Science Department

Name of Department	Name of the Laboratory	Lab /Major Equipment
Artificial Intelligence and Data Science	ARTIFICIAL INTELLIGENCE LABORATORY	Computers with i5 11th Generation Processors, 16GB RAM and 512 SSD
	DATA SCIENCE LABORATORY	Computers with i5 11th Generation Processors, 16GB RAM and 512 SSD
	MACHINE LEARNING LABORATORY	Computers with i5 11th Generation Processors, 16GB RAM and 512 SSD
	COMPUTER VISION LABORATORY	Computers with i5 11th Generation Processors, 16GB RAM and 512 SSD
	PROJECT LAB	25 Computers i5 DELL

Electronics and Telecommunication Engineering Department

Name of the Department	Name of the Laboratory	Lab /Major Equipment
Electronics and Telecommunication Engineering	SOLID STATE DEVICES	Oscilloscope(20 mhz),Function generator, DC power supply, Digital multimeter, Experimental kit
	DIGITAL ELECTRONICS	Oscilloscope(20 mhz),Function generator, Dc power supply, Digital multimeter, Experimental kit
	RF AND MICROWAVE	Microwave test bench ,Optical power meter, distortion factor meter, Fiber optics kits setup, oscilloscope, Satellite communication trainer.
	COMMUNICATION SYSTEMS	"Agilent spectrum analyzer ,mixed oscilloscope, wave form generator,6&1/2 multimeter, logic analyzer, antenna trainer system
	AUDIO VIDEO MECHATRONICS and LIC LAB	Dso (100mhz, 70 mhz) , Wi-Fi smart LED TV, LCR –Q meter , audio lab experiment kit, mechatronics experiment kit set, , Db meter. Oscilloscope(20 mhz),Function generator, dc power supply, digital multimeter, power electronics experimental kit
	VLSI AND EMBEDDED SYSTEM LAB	Universal Trainer Model MXUK-240-00 with 50k Gate Vertex FPGA Board., DSP VLSI Trainer- Mechatronics Test Equipment & SPARTAN-III Kit with stepper motor,VLSI design Software- 1-Xilinx-ISE Series US ISE Version 8.2 i , 2-Mentor Graphics (50 user)- HEP-1: Back End : IC Nanometer Design HEP2: Front End, 3-MICROWIND3 & VLDST Trainer kit, Embedded system-

		ARM Board LPC2148 KITS, SPJ-STK -PIC Evolution Board, MSP 430 Modules, PCI based DSP data acquisition card,
	SIGNAL PROCESSING LAB.	Dell computer desktops(core i3) 3110, DSP starter kit,TMS320c6713 DSP kit, 6748 DSP kit , proteus vsm software,
	PROJECT LAB	vector analyzer (14 Ghz), CST studio suit version 2014 (soft), Robotics kit ,IIT Delhi mic kit, DSO 100mhz, ECG head set, Zed board, , universal programmer, raspberry pi boards, Software defined Radio kit, Ganesyas 2 kit, Embedded vision system kit, 3D brain activity window kit, Data acquisition system.

Civil Engineering Department

Name of Department	Name of Laboratory	Major Lab Equipment
Civil Engineering	ENVIRONMENTAL ENGINEERING LAB	BOD incubator, UV Spectro-photometer, Dust sampler,
	TRANSPORTATION ENGINEERING LAB	Abrasion testing, Ductility test, Bitumen extraction test, Marshal stability apparatus, universal penetrometer apparatus
	ENGINEERING MECHANICS LAB	Reaction of simple beam, Belt friction apparatus, polygon of forces apparatus
	SURVEYING LAB	Micro Optic Theodolite20” Transit Theodolite, Total Station, Prismatic Compass , Plane Table. Road Measuring Wheel.
	STRENGTH OF MATERIALS LAB	Tile Abrasion Testing Machine. Flexural Strength Testing Machine (Tiles)- 200 kg Capacity, Torsion Testing Machine, Rockwell cum Brinell Hardness Testing Machine
	ENGINEERING GEOLOGY	Rock Specimens, Mineral Specimens
	GEOTECHNICAL ENGINEERING	Direct Shear Test, Triaxial Test, California Bearing Ratio Apparatus, Unconfined Compression Test, Standard Penetration Apparatus, Compaction Factor Apparatus.
	CONCRETE TECHNOLOGY	Compression Testing Machine, Flexural Strength Machine, Ultrasonic Pulse Velocity Test, Sieve Set as per IS450 with Adaptor, Slump Cone Test.
	BASIC CIVIL ENGINEERING	Models of Staircase, Models of Door, Models of Trusses, Models of Foundation.
	CAD LAB	STAAD. Ro Software, AutoCAD, . MATLAB, Gram++
	FLUID MECHANICS LAB	Mini Hydraulic Flume with Adjustable Channel Apparatus, Open Circuit Wind Tunnel Apparatus, Impact of Jet Apparatus.

List of Experimental Setup in Each Laboratory/workshop

First year Batchler of Technology

Name of Department	Name of the Laboratory	List of Experimental Setup
	PHYSICS LAB	

First Year Engineering		<p>Newton's Ring (4)</p> <p>Plane diffraction grating for determination of unknown wavelength (3)</p> <p>Ultrasonic Interferometer for the determination of compressibility of liquid (2)</p> <p>Determination of band gap of a given semiconductor (2)</p> <p>Solar cell characteristics, measurement of Voc, Isc, fill factor (5)</p> <p>Laser based experiment. (determination of no of lines / cm of a grating) (1)</p> <p>Determination of absorption coefficient of sound of given material (1)</p> <p>Half Shade Polarimeter (1)</p> <p>Law of Malus (1)</p> <p>Brewster's law (1).</p>
	CHEMISTRY LAB	<p>Determination of Hardness of water by EDTA method (Titration - glassware) (12)</p> <p>Determination of Alkalinity of water sample (Titration - glassware) (12)</p> <p>Determination of Dissociation constant of weak acid (acetic acid) using pH-meter (6)</p> <p>To determine maximum wavelength of absorption of CuSO₄ / FeSO₄, verify Beer's law and find unknown concentration in the given sample (2)</p> <p>Titration of mixture of weak acid and strong acid with strong base using conductometer (1)</p> <p>Determination of molecular weight / radius of macromolecule Polystyrene / Polyvinyl Alcohol by viscosity measurements (glassware) (12)</p> <p>Proximate analysis of coal. (Oven and Muffle furnace - 1 each) (5)</p> <p>Preparation of nickel coating on copper metal using both methods, Electroplating and Electroless plating (1).</p>
	BASIC ELECTRICAL ENGINEERING LAB	<p>1. Trolley based experimental setup (R-L, R-C, and R-L_C loads, Star-Delta, Theorems, Kirchhoff's Laws and Resistance Temperature Detector (RTD)).</p> <p>2. Home Electrical Wiring Training system (Switches, Sockets, Holder, wiring and Lights (FL, CFL, LEDs, and Energy Meters)</p>
	BASIC ELECTRONICS ENGINEERING LAB	<p>Study of various Electronic Components, Measurements of Various parameters using electronic Instruments, V-I Characteristics of PN Junction Diode, Study of Rectifiers, simulation of Inverting and non inverting Amplifiers using OP-Amp, Verify and test Logic Gates and Adders.</p>

	SYSTEM OF MECHANICAL ENGINEERING LAB	All experiments are study experiments. No experimental set up for this lab.
	BASICS OF CIVIL ENGINEERING LAB	All experiments are study experiments .
	LANGUAGE LAB	Practice sessions on Listening Skills, Practice on Word Puzzles in Tell Me More Software, Drill on Speaking Skills with the emphasis on acceptable pronunciation.

Mechanical Engineering

Dept Name	Name of the Laboratory	List of Experimental Setup
Mechanical Engineering	HEAT TRANSFER AND REFRIGERATION AND AIR CONDITIONING LAB	<ol style="list-style-type: none"> 1. Determination of heat transfer coefficient in natural convection. 2. Determination of heat transfer coefficient in forced convection. 3. Determination of thermal conductivity of metal rod. 4. Determination of thermal conductivity of composite wall. 5. Determination of Stefan-Boltzmann Constant. 6. Determination of temperature distribution, fin efficiency in forced convection. 7. Test on ice plant test rig, 8. Test on vapour absorption refrigeration test rig. 9. Test on air conditioning test rig.
	FLUID MECHANICS LAB & TURBO MACHINERY LAB	<ol style="list-style-type: none"> 1. Determination of viscosity of liquids and its variation with temperature. 2. Determination of metacentric height of floating object. 3. Laminar and Turbulent flow by Reynolds's apparatus. 4. Draw flow net using electrical analogy apparatus. 5. Verification of modified Bernoulli's equation. 6. Calibration of Venturimeter. 7. Calibration of V-notch. 8. Determination of minor losses due to pipe fittings. 9. Study and trial on Pelton Wheel Set-up 10. Study and trial on Francis Turbine Set-up 11. Study and trial on Centrifugal Pump Set-up 12. Verification of Impulse Momentum Principle by Impact of Jet Apparatus 13. Gear Pump Test Rig 14. Reciprocating Pump Test Rig.
	THERMODYNAMICS LAB	<ol style="list-style-type: none"> 1. Determination of flash point temperature of given liquid fuel. 2. Determination of pour point and cloud point temperature of oil. 3. Determination of calorific value of given solid fuel using Bomb calorimeter. 4. Determination of calorific value of given gaseous fuel using gas calorimeter. 5. Pressure measurement using any two types of manometers.

	MECHATRONICS AND AUTOMATION LAB-MECH	<ol style="list-style-type: none"> 1. Measurement of displacement using LVDT characteristics. 2. Real Time Temperature / Flow Control using PID Control system. 3. Experiments to be done on hydraulic trainer. 4. Experiments to be done on a pneumatic trainer. 5. Test on pressure relief valve/flow control valve. 6. Test on linear /rotary actuator.
	MATERIAL TESTING LAB	<ol style="list-style-type: none"> 1. Tensile Test for ductile & brittle material, 2. Shear test of Ductile material on Universal Testing Machine.
	METALLURGY AND QUALITY CONTROL LAB	<ol style="list-style-type: none"> 1. Calibration of measuring instruments. Example – Dial gauge & Vernier. 2. Verification of dimensions and geometry of given components using Mechanical /Pneumatic. 3. Error determination of linear / angular measuring instruments and determination of linear and angular dimensions of given part, (MSA: Gauge R & R), comparator. 4. Machine tool alignment testing on machine tool – Lathe machine. 5. Demonstration of surfaces inspection using optical flat, To measure major diameter, minor diameter and pitch of screw thread using Profile. 6. Measurements of thread parameters using Floating Carriage diameter measuring Machine. 7. Demonstration of specimen preparation for microscopic examination. 8. Drawing of Microstructure of steels of various compositions, 9. Heat treatment of Plain Carbon Steel and determination of relative hardness, 10. Drawing of Microstructure of Heat Affected Zone in Welding.
	STEAM POWER PLANT LAB	<ol style="list-style-type: none"> 1. Determination of dryness fraction of steam, 2. Trial on boiler to determine boiler efficiency, equivalent evaporation and Energy balance, 3. Trial on steam power plants to determine plant efficiency.
	ADVANCED MANUFACTURING	<ol style="list-style-type: none"> 1. Modelling of Mechanical Component using any 3D CAD software, Preparing CNC part program using any CAM software, and execute it on CNC Turning. 2. Modelling of Mechanical Component using any 3D CAD software, Preparing CNC part program using any CAM software, and execute it on CNC Milling.
	CAD LAB	<ol style="list-style-type: none"> 1. Static stress concentration factor calculation for a plate with center hole subjected to axial loading 2. Stress and deflection analysis of any machine component consisting of 3-D elements using FEA, 3. Modal analysis of any machine component using FEA software. 4. 2D Forced convection problem using FEA software, 5. Elasto-plastic analysis of a tensile test specimen using FEM software, 6. Contact stress analysis using FEM software tension using FEA software
	SIMULATION LAB	<ol style="list-style-type: none"> 1. SSCNC CNC Simulator Software 2. Witness Horizon Simulation Software

		<p>3.Automation Studio Simulation Software</p> <p>4.RoboDK Simulation Software</p>
	IC ENGINE LAB	<p>1 Morse Test on Multi cylinder Petrol/ Diesel engine for determination of Friction power.</p> <p>2. Variable load test on diesel engine to determine various efficiencies, SFC and Heat balance sheet.</p> <p>3. Test on variable compression ratio engine,</p> <p>4. Test on Positive Displacement Air Compressor,</p> <p>5. Demonstration of Exhaust Gas Analyzer</p>
	VIBRATION LAB & KOM	<p>1. Determine basic engineering properties such as E- Young's Modulus, ν- Poisson's ratio, G- Shear modulus.</p> <p>2. To determine stress concentration factor in a tension like specimen having a circular hole at center.</p> <p>3. Experiment to determine deflections in a rectangular beam,</p> <p>4. Experiment to determine multi axial stresses in a hollow pressurized cylinder.</p> <p>5. Experiment to determine bending stresses in a Al-Steel Composite beam,</p> <p>6. Experiment to determine the buckling critical load in columns of various lengths.</p> <p>7. Experiment to determine stresses in a beam subjected to Dynamic load.</p> <p>8. Experiments to determine spring constant and natural frequency under different masses. Also to study the effect of initial conditions on natural frequencies.</p> <p>9. To determine mass moment of inertia of a complicated mass about its rotating axis and about its centroidal axis.</p> <p>10. Trifilar Disk to determine mass moment of inertia of automobile or airplane.</p> <p>11. To study manufacturing of gear using gear generation with rack as a cutter and to generate involute profile,</p> <p>12. Speed and torque analysis of epicyclic gear train to determine, holding torque.</p> <p>13. To verify Cam jump phenomenon,</p> <p>14. To determine the active gyroscopic couple on a spinning disc and verify the gyroscopic effect,</p> <p>15. To determine experimentally the mass moment of inertia of a flat bar using a bifilar suspension method.</p> <p>16. To determine experimentally the mass moment of inertia of a disc using trifilar suspension method.</p> <p>17. Balancing of wheel / rotor on computerized balancing machine.</p> <p>18. To determine the natural frequency of damped vibration of a single degree freedom system and to find it's damping coefficient.</p> <p>19. To obtain frequency response curves of single degree freedom system of vibration for different amounts of damping.</p> <p>10. To verify the natural frequency of torsional vibration of two rotor systems and position of nodes.</p> <p>20. To determine natural frequency of transverse vibration of beam using vibration analyzer. (Vibration Measurement by FFT analyzer).</p>
	Workshop (MS)-UG	<p>1. Manufacturing of any one assembly consisting of minimum two components and involving all the lathe operations,</p> <p>2. Manufacture of spur gear on a milling machine using indexing head.</p>

		3. Surface grinding using table grinder, 4. Any one marketable assembly consists of at least three components with tolerance involving use of lathe, drilling, milling, grinding and any additional machine tool or processes as per requirement.
	Workshop - Fitting, Carpentry,	1. Carpentry Job: Half Lap Joint (T, Dovetail), 2. Job on TIG/ MIG/ Resistance welding, 3. Welding: T Joint, Corner Joint and Lap Joint, 4. Welding : Butt Joint, 5. Sheet Metal (processes involving cutting, bending, punching and drawing) 6. Metal Tray, 7. T- Duct Joint, 8. Manufacturing any one sheet metal component involving minimum three different operations (use dies and press). 9. Fitting Job: T-Joint , V-Joint, Radius Fitting, Dovetail Fitting.

Electrical Engineering

Name of Department	Name of Laboratory	List of Experimental setup
Electrical Engineering	BASIC ELECTRICAL ENGINEERING	BEE Experimental set up (2 nos), Home electrical wiring Training system
	ELECTRICAL MACHINES II	3 Ph induction motor setup, 3 Ph alternator setup, 3 Ph synchronous motor setup
	ELECTRICAL MACHINES I AND EMI LAB	D.C. Series wound motor with brake load setup, 3 Ph induction motor and DC shunt generator setup, DC shunt motor and three phase alternator setup, AC Synchronous motor setup, Kelvin's double bridge With Galvanometer setup, Anderson's Bridge With Galvanometer setup, Displacement measurement By LVDT setup
	COMPUTER LAB (ELECT.) & MICROCONTROLLER LAB	ETAP Software Setup and 25 PC's.
	COMPUTER LAB 2 (ELECT.)	Matlab software
	MATERIAL SCIENCE & HIGH VOLTAGE ENGINEERING	Schering Bridge Setup, B-H Curve Setup, Thermocouple Setup, 100 mm Sphere gap Setup High Voltage 100 kV AC and 100 kV DC Test Setup, Oil Test Setup, High Voltage Tester with Jig Setup
	POWER SYSTEM & SWITCHGEAR PROTECTION LAB	Single Phase Transmission Line Training System Setup, Three Phase Transmission Line Training System Setup, Switchgear protective relay testing setup, Thermal over current relay setup, Percentage differential protection of transformer unit setup, Merz Price protection of Alternator

		unit setup, MCCB testing setup, Induction to digital overcurrent relay testing setup, MCB testing setup
	POWER ELECTRONICS/ POWER QUALITY & PECD LAB	VI Characteristics of SCR, DIAC and TRIAC, IGBT Characteristics Trainer, Single Phase Half wave and Full wave Converter, Three Phase Converter, Single Phase and Three Phase AC Voltage Regulator, Single Phase PWM inverter Chopper fed DC series motor 1- ϕ half controlled drive 1- ϕ full controlled drive 3- ϕ full controlled drive 3- ϕ half controlled drive 3- ϕ voltage source inverter 20 Amp, Auto Transformer Three Phase Air cooled Enclosed Type
	PLC AND SCADA LAB & CONTROL SYSTEM LAB	PLC kit, SCADA Software, Synchro-Modelling TF, AC servo motor, PI, PID Controller, Compensator
	NETWORK ANALYSIS AND ELECTRICAL WORKSHOP	Experimental setup to verify Norton's, Superposition, Reciprocity Theorems for AC and DC supply, Experimental Setup to verify Thevenin's, Maximum power and Millman's Theorems for AC and DC supply, Experimental setup for transient analysis of RC, RL and RLC circuits, Experimental setup to determine Z, Y, ABCD parameters of two port network

Computer Engineering

Name of Department	Name of the Laboratory	List of Experiments
Computer Engineering	DATABASE SYSTEM LAB	<p>* Starting with an Empty Binary Search Tree(BST), create a BST by reading the values in the given order and perform following operations on it: 1. Insert a new node 2. Perform Inorder, Preorder and Postorder Traversals 3. Search 4. Delete 5. Height 6. Mirror Image 7. Find Smallest and Largest Element</p> <p>* A Dictionary stores keywords & its meanings. Provide facility for adding new keywords, deleting keywords, updating values of any entry. Provide a facility to display whole data sorted in ascending/ Descending order. Also find how many maximum comparisons may require for finding any keyword. Use Binary Search Tree for implementation.</p> <p>* Implement Threaded Binary Tree and perform inorder traversal on it. Analyze the time complexity of the same</p> <p>* Write a function to get the number of vertices in an undirected graph and its edges. You may assume that no edge is input twice.</p>

		<p>i. Use adjacency list representation of the graph and find runtime of the function. ii. Use adjacency matrix representation of the graph and find runtime of the function.</p> <p>* You have a business with several offices; you want to lease phone lines to connect them up with each other; and the phone company charges different amounts of money to connect different pairs of cities. You want a set of lines that connects all your offices with a minimum total cost. Solve the problem by suggesting appropriate data structures.</p> <p>*Consider the telephone book database of N clients. Make use of a hash table implementation to quickly look up a client's telephone number.</p> <p>*Implement all the functions of a dictionary (ADT) using hashing.</p> <p>Data: Set of (key, value) pairs, Keys are mapped to values, Keys must be comparable, Keys must be unique.</p> <p>Standard Operations: Insert(key, value), Find(key), Delete(key)</p> <p>*Department maintains student information. The file contains roll number, name, division and address. Allow users to add, delete information about students. Display information of a particular student. If the record of the student does not exist an appropriate message is displayed. If it is, then the system displays the student details. Use a sequential file to maintain the data.</p> <p>*Write a Java program which demonstrates the scope rules of the programming mechanism.</p> <p>*Implement the Heap/Shell sort algorithm implemented in Java demonstrating heap/shell data structure with modularity of programming language</p> <p>*Write a Java program which will demonstrate a concept of Interfaces and packages: In this assignment design and use of customized interfaces and packages for a specific application are expected</p> <p>* Implementation of sequential files</p>
	<p>PARALLEL COMPUTING LAB</p>	<p>*Design and implement Parallel Breadth First Search and Depth First Search based on existing Algorithms using Openmp. Use a Tree or an undirected graph for BFS and DFS.</p> <p>* Write a program to implement Parallel Bubble Sort and Merge sort using OpenMP. Use Existing algorithms and measure the performance of sequential and parallel algorithms.</p> <p>* Implement Min, Max, and Sum and Average operations using Parallel Reduction.</p> <p>*Write a CUDA Program for : 1. Addition of two large vectors, 2. Matrix Multiplication using CUDA C</p> <p>* HPC Mini Project:</p>

		<p>*Linear regression by using Deep Neural network: Implement Boston housing price Prediction problem by Linear regression using Deep Neural network. Use Boston House price Prediction dataset.</p> <p>*Convolutional neural network (CNN) (Any One from the following)</p> <p>*a) Use any dataset of plant disease and design a plant disease detection system using CNN. b) Use MNIST Fashion Dataset and create a classifier to classify fashion clothing into Categories.</p> <p>*Recurrent neural network (RNN) Use the Google stock prices dataset and design a time Series analysis and prediction system using RNN.</p> <p>*Deep Learning Mini Project:</p>
	ADVANCED NETWORK LAB	<p>*Case study: Before coding of the website, planning is important, students should visit different websites (Min. 5) for the different client projects and note down the evaluation results for these websites, either good website or bad website in following format: From the evaluation, students should learn and conclude different website design issues, which should be considered while developing a website</p> <p>*Implement a web page index.htm for any client website (e.g., a restaurant website project) using following:</p> <p>a. HTML syntax: heading tags, basic tags and attributes, frames, tables, images, lists, links for text and images, forms etc. b. Use of Internal CSS, Inline CSS, External CSS</p> <p>* Design the XML document to store the information of the employees of any business organization and demonstrate the use of: a) DTD b) XML Schema And display the content in (e.g., tabular format) by using CSS/XSL.</p> <p>* Implement an application in Java Script using the following: a) Design UI of application using HTML, CSS etc. b) Include Java script validation c) Use of prompt and alert window using Java Script. e.g., Design and implement a simple calculator using Java Script for operations like addition, multiplication, subtraction, division, square of number etc. a) Design calculator interface like text field for input and output, buttons for numbers and operators etc. b) Validate input values c) Prompt/alerts for invalid values etc.</p> <p>*Implement the sample program demonstrating the use of Servlet. e.g., Create a database table ebookshop (book_id, book_title, book_author, book_price, quantity) using databases like Oracle/MySQL etc. and display (use SQL select query) the table content using servlet.</p> <p>*Implement the program demonstrating the use of JSP. e.g., Create a database table students_info (stud_id, stud_name,</p>

		<p>class, division, city) using database like Oracle/MySQL etc. and display (use SQL select query) the table content using JSP</p> <p>*Build a dynamic web application using PHP and MySQL. a. Create database tables in MySQL and create connections with PHP.b. Create the add, update, delete and retrieve functions in the PHP web app interacting with MySQL database.</p> <p>* Design an application using AngularJS. e.g., Design registration (first name, last name, username, password) and login page using AngularJS.</p> <p>*Design and implement a business interface with necessary business logic for any web application using EJB. e.g., Design and implement the web application logic for deposit and withdraw amount transactions using EJB.</p> <p>*Design a login page with entries for name, mobile number, email id and login button. Use struts and perform following validations</p>
	OPERATING SYSTEM LAB	<p>*Write an X86/64 ALP to accept five 64 bit Hexadecimal Numbers from user and store them in an array and display the accepted numbers</p> <p>*Write an X86/64 ALP to accept a string and to display its length</p> <p>*Write an X86/64 ALP to find the largest of given byte/word/Dword/64 bit numbers</p> <p>*Write a switch case driven X86/64 ALP to perform 64 bit hexadecimal arithmetic operations (+, -, *, /) using macros. Define procedure for each operations</p> <p>*Write an X86/64 ALP to count the number of positive and negative numbers from the array.</p> <p>*Write an X86/64 ALP to convert 4-digit Hex number into its equivalent BCD number and 5-digit BCD number into its equivalent HEX number. Make your program user friendly to accept the choice from user for: (a) HEX to BCD (b) BCD to HEX (c) Exit</p>
	Post-Graduation Lab	DELL OPTIPLEX 390 DT 10Q Projector 4000 LUMENS xga

Information Technology

Name of Department	Name of the Laboratory	List of Experimental Setup
Information Technology	SOFTWARE LABORATORY	Operating Systems: Windows 7 (32 Bit), Ubuntu 16.04 LTS Application Software: Windows: Microsoft Office 2007, Adobe Reader 9, Matlab, Editplus, NetBeans, TASM, RIDE, Flas Magic, Mysql, Xampp, MongoDB, JAVA, Tablue, R, Rstudio,

		Weka, Snort, Wireshark Ubuntu: G++, GCC, Eclipse for Java, Hadoop, Hbase, Hive, OpenGL, Mysql, MongoDB, Lex & Yacc Tool, NetBeans
	MACHINE LEARNING & COMPUTER VISION LABORATORY	Operating systems: Windows 7 (32 Bit), Ubuntu 16.04 LTS Application Software: Windows: Microsoft Office 2007, Adobe Reader 9, Matlab, Editplus, NetBeans, TASM, RIDE, Flash Magic, Mysql, Xampp, MongoDB, JAVA, Tablue, R, Rstudio, Weka, Snort, Wireshark Ubuntu: G++, GCC, Eclipse for Java, Hadoop, Hbase, Hive, OpenGL, Mysql, MongoDB, Lex & Yacc Tool, NetBeans
	INFORMATION TECHNOLOGY LAB(IT LAB)	Packet Tracer ,MySQL, Hadoop, Jupyter Notebook, Kali Linux
	PGD ERP LAB	Anaconda with Jupyter Notebook for Python, MySQL
	NETWORK LAB(NL LAB)	MP lab 3.30, C18 Compiler, PIC Kit 2, VS Code
	SOFTWARE DEVELOPMENT LABORATORY	Operating systems: Windows 10 (64 Bit), Ubuntu 16.04 LTS Application Software: Windows: Microsoft Office 2007, Adobe Reader 9, Matlab, Editplus, NetBeans, TASM, RIDE, Flash Magic, Mysql, Xampp, MongoDB, JAVA, Tablue, R, Rstudio, Weka, Snort, Wireshark Ubuntu: G++, GCC, Eclipse for Java, Hadoop, Hbase, Hive, OpenGL, Mysql, MongoDB, Lex & Yacc Tool, NetBean

Artificial Intelligence and Data Science

Name of Department	Name of the Laboratory	List of Experimental Setup
Artificial Intelligence and Data Science	ARTIFICIAL INTELLIGENCE LABORATORY	Microsoft Office 2016, Google Chrome, Mozilla Firefox, Adobe Reader, Java, Python, NetBeans, Arduino. Wireshark, Anaconda Navigator, MySQL, MySQL Workbench, MongoDB, Open GL, VSCode, Packet Tracer, Mozilla Firefox, Google Chrome, Libre Office, GCC, G++, Java, Python, NetBeans, Wireshark, Anaconda Navigator, MySQL, MySQL Workbench, MongoDB, Open GL, VSCode, Packet Tracer, Star UML, Hadoop, Arduino.
	DATA SCIENCE LABORATORY	Microsoft Office 2016, Google Chrome, Mozilla Firefox, Adobe Reader, Java, Python, NetBeans, Arduino. Wireshark, Anaconda Navigator, MySQL, MySQL Workbench, MongoDB, Open GL, VSCode, Packet Tracer, Mozilla Firefox, Google Chrome, Libre Office, GCC, G++, Java, Python, NetBeans, Wireshark, Anaconda Navigator, MySQL, MySQL Workbench, MongoDB, Open GL, VSCode, Packet Tracer, Star UML, Hadoop, Arduino.

	MACHINE LEARNING LABORATORY	Microsoft Office 2016, Google Chrome , Mozilla Firefox, Adobe Reader, Java, Python, NetBeans, Arduino. Wireshark, Anaconda Navigator, MySQL, MySQL Workbench, MongoDB, Open GL, VSCode, Packet Tracer, Mozilla Firefox, Google Chrome , Libre Office, GCC, G++, Java, Python, NetBeans, Wireshark, Anaconda Navigator, MySQL, MySQL Workbench, MongoDB, Open GL, VSCode, Packet Tracer, Star UML, Hadoop, Arduino.
	COMPUTER VISION LABORATORY	Microsoft Office 2016, Google Chrome , Mozilla Firefox, Adobe Reader, Java, Python, NetBeans, Arduino. Wireshark, Anaconda Navigator, MySQL, MySQL Workbench, MongoDB, Open GL, VSCode, Packet Tracer, Mozilla Firefox , Google Chrome , Libre Office, GCC, G++, Java, Python, NetBeans, Wireshark, Anaconda Navigator, MySQL, MySQL Workbench, MongoDB, Open GL, VSCode, Packet Tracer, Star UML, Hadoop, Arduino.
	PROJECT LAB	Microsoft Office 2016, Google Chrome , Mozilla Firefox, Adobe Reader, Java, Python, NetBeans, Arduino. Wireshark, Anaconda Navigator, MySQL, MySQL Workbench, MongoDB, Open GL, VSCode, Packet Tracer, Mozilla Firefox, Google Chrome , Libre Office, GCC, G++, Java, Python, NetBeans, Wireshark, Anaconda Navigator, MySQL, MySQL Workbench, MongoDB, Open GL, VSCode, Packet Tracer, Star UML, Hadoop, Arduino.

Electronics and Telecommunication Engineering

Name of Department	Name of the Laboratory	List of Experimental Setup
Electronics and Telecommunication Engineering	SOLID STATE DEVICES	Electronic Circuit Experimental setup: Study Complementary symmetry push pull Amplifier, FET Amplifier, MOSFET as a switch, current series feedback Amplifier, Design adjustable voltage regulator using voltage regulator IC, LC Oscillator
	DIGITAL ELECTRONICS	Digital Circuits Experimental setup: Design build and test 4 bit Adder, BCD to Excess three converter, Binary to BCD converter, synchronous counters, asynchronous counters, shift registers, universal shift registers Multiplexers and Demultiplexers, Encoders and decoders

	RF AND MICROWAVE	<p>Radiation and Microwave Techniques: Experimental setup Study Dipole and horn Antenna performance, measure and plot Mode characteristics of Reflex Klystron, V-I characteristics of Gunn Diode , Measure and verify port characteristic of Microwave tees , Circulators, isolators, directional couplers, To measure wavelength of Microwave signal, To measure and Plot SWR for open short and matched termination, Measurements of S parameters, Broadband Communication system Experimental Setup: Measurements of Numerical Aperture of Fiber cable, measurement of attenuation of fiber cable, setup digital link, setup audio and video satellite link.</p>
	COMMUNICATION SYSTEMS	<p>Analog communication Experimental setup: AM Modulator and demodulator, DSB&SSB modulator and Demodulator, study AM and FM spectrum, FM Modulator and Demodulator , verification of Sampling Theorem, Study Antenna performance. Digital communication Experimental setup: Study PCM and Demodulation. Delta modulation and Demodulation, PSK modulation and demodulation, FSK modulation and Demodulation, QPSK modulation and Demodulation, study Line Codes.</p>

	<p>AUDIO VIDEO MECHATRONICS and LINEAR IC LAB</p>	<p>Audio and Video Engineering experimental Setup: Voltage and waveform analysis of color TV, Study Wi-Fi LED TV, Study Digital TV and pattern generator, Study HDTV, study simulation of audio video and image compression techniques, study audio system CD and MP3 Player, Study public address system, measure directivity pattern of Microphone and Loud Speaker, Mechatronics Experimental Setup: Servomotor position control using photo electric pickup, position and velocity measurement using encoder, Flow measurement, study data acquisition system, Interfacing of sensors, study hydraulic trainer, study pneumatic trainer, Integrated Circuits Experimental Setup: Measure OPAMP parameters, Design and test Integrator, differentiator, Precision Rectifiers, Schmitt trigger, OpAmp Instrumentation Amplifier, 2bit DAC, 2bit ADC, Waveform generation Power Electronics Experimental Setup: V-I characteristics of SCR and IGBT, Study SCR firing Circuits, Single phase Semi converter and full converter, Study Switching mode power Supply, Speed control of DC motor, study power factor improvement, overvoltage and overcurrent protection.,.</p>
	<p>SIGNAL PROCESSING LAB</p>	<p>DSP and Signal system Experimental Setup: Matlab 19b is available to conduct following experiments To verify the properties of DFT of signal, To find circular convolution of signals, to find Z transform and Inverse Z transforms, To study LPF, HPF and Butterworth filters, study IIR filters, study DCT and IDCT of signals, study Bandpass filters.</p>
	<p>VLSI AND EMBEDDED SYSTEM</p>	<p>Advanced Processor experimental Setup: Interfacing LED to Embedded LPC 2148, Interfacing LCD embedded LPC 2148 to display image, interfacing GSM with embedded LPC2148 to send and receive messages and voice call, Interfacing GPS with Embedded LPC2148 to find current location, interfacing EEPROM with LPC2148 using I2C protocol, UART serial communication using LPC2148, Real time audio capturing using DSP development kit. VLSI Design Technology Experimental Setup: Design 4 bit ALU, XOR, OR, NOR gate using simulation softwares, Design FIFO memory, Interface Keypad with FPGA, Simulation of CMOS inverter, NOR, NAND gates, Simulation of Multiplexers,</p>

		Simulation of SRAM cell, Simulation of D flip flops, cer Veriton Computers Vivado Software, Basys 3 Boards, PYNQ Z2 Boards, Microcontroller 89V51 Boards Universal Trainer Boards for PIC 18F4520,LPC2148, ARM 9 Board
	PROJECT LAB	Experimental setup : To measure S parameters of Antenna ,Design and simulate the various types of Antenna, extract the ECG signal and processing, Design and Simulate AM, FM transmitters and Receivers, Interface various input and output devices to Embedded system, study data acquisition system, Study Robotics , study Raspberry Pi and Arduino based projects, Software defined Radio(SDR) USRP setup for Wireless Prototyping.

Civil Engineering

Name Of Department	Name of Laboratory	Experimental Setup
Civil Engineering	ENVIRONMENTAL ENGINEERING LAB-CIVIL	Microcontroller Conductivity/TDS Analyzer BOD Incubator UV Spectro –photometer Digital Flame photometer
	TRANSPORTATION ENGINEERING LAB-	Ductility testing machine Bitumen extraction apparatus Impact test apparatus Los Angeles abrasion testing machine Marshall stability test apparatus Universal penetrometer
	ENGINEERING MECHANICS LAB-CIVIL	Paralleled forces apparatus (simply supported/ overhang beam type) Meter rule Bar pendulum 100 cm Torsion pendulum Pulley block 8 cm dia. Universal force table
	SURVEYING LAB	Plane table for civil survey Electronic total station Transit Theodolite Prismatic compass Minerals specimen Rocks specimen
	STRENGTH OF MATERIALS LAB-CIVIL	Tile Abrasion Testing Machine Torsion Testing Machine 100mm Model MTT-100 Rockwell Cum Brinell Hardness Testing Machine (Model-RAB250) Flexural Strength Testing Machine (Tiles)-200 kg Capacity Bend Rebend on Steel bar Attachment UTM Shear Test on Steel bar Attachment UTM Test on Bricks Attachment Universal Testing Machine

	ENGINEERING GEOLOGY	Minerals Specimen Rocks Specimens
	GEOTECHNICAL ENGINEERING	Direct shear test apparatus Triaxial test apparatus Permeability test apparatus Core cutter apparatus
	CONCRETE TECHNOLOGY	Compression Testing Machine Vibrating machine Vee-Bee Consistometer Compaction apparatus
	BASIC CIVIL ENGINEERING	Digital Planimeter Model of bricks King Post Truss model Queen Post Truss model Model of foundation
	CAD LAB	Computer COMP 1 to 21 DES 1210 -28 D link GRAM++ GIS Version 2.0 E Civil Engineering Software Software E-Tab & SAP 2000 MatLab, Singnal Processing ToolBox, DSP System Digital Oscilloscope STAAD Pro
	FLUID MECHANICS LAB-CIVIL	Open Circuit Wind Tunnel Equipment with accessories Close Circuit Test Rig Mini Hydraulic Flume Adjustable channel Impact of Jet Apparatus with measuring tank

Computing Facilities

- Internet Bandwidth Capacity: : **500 Mbps (1:1)**
- Number and configuration of System: : **814**

Sr. No.	Make & Model No.	Total Inward
1	Wipro Xeon Server	1
2	IBM AIX Server	1
3	Dell Vostro 430	2
4	Dell OptiPlex 980 i3	26
5	Dell OptiPlex 980 i3	24
6	Dell OptiPlex 390 i3	21
7	HP Pro 7100, Inter Core i5-	20
8	HP Pro 3330, Inter Core i3	15

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9	Dell OptiPlex 390 DT, Intel Core i3	35
10	Desktops Dell OptiPlex (TM) 3010 DT i3	50
11	Desktops Dell OptiPlex (TM) 3010 DT i5	50
12	HP ProLiant ML110 (Server)	1
13	Dell PowerEdge R210 (Server)	1
14	HP 202 G2 MT Desktop i5	50
15	HP 202 G2 MT Desktop i3	40
16	Desktop ASUS Make D510MT i5	65
17	HP 406 G1 MT i5 Desktop	1
18	N Computing NL 300+ Think client	40
19	HP ProLiant DL 60 GN9 Server	2
20	Dell OptiPlex 3046 MT	25
21	Acer Veriton M200-H510, Intel Core i5 11th Gen, 1*16GB DDR4, 512 GB NVME M.2SSD, 21.5" Minitor Full HD	100
22	Acer Veriton M200-H610 Intel Core i5 11th Gen, 1*16GB DDR4, 512 GB NVME M.2SSD, 21.5" Minitor Full HD	200
23	Acer Veriton M200-H610 Intel Core i5 11th Gen, 1*16GB DDR4, 512 GB NVME M.2SSD, 21.5" Minitor Full HD 1*4 GB Graphic Card, ZOTAC GT 730 DDR3	25

- Total number of systems connected by LAN : **814**
- Total number of systems connected by WAN : **814**

Sr. No.	Name of the Dept.	Available Software Details
1	Computer Engineering & Information Technology	Microsoft®Visual Studio Pro Sub MSDN All Lng License / Software Assurance Pack Academic OLV License Level E AdditionalProduct 1Year Office 2007 Suites Office Professional Plus 2010 Office Professional Plus 2013 Office Professional Plus 2016 Office Professional Plus 2019 Office 365 Free A1 Plus for Student and Faculty Windows 10 Education Windows 10 Enterprise 2015 LTSC Windows 10 Enterprise 2016 LTSC Windows 10 Enterprise LTSC 2019 Windows 10 Pro / Windows 10 Pro for Workstations - Windows 10 Professional Windows 8.1 Enterprise Windows 8.1 Professional Windows 7 Enterprise Windows 7 Professional Windows HPC Server OS 2008 R2 Windows Server 2003 R2 Windows Server Enterprise 2008 R2 Windows Web Server 2008 R2

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		<p>Windows Web Server 2012 R2</p> <p>Windows Server 2016 Standard</p> <p>Windows Server 2019 Essentials</p> <p>Windows Server 2019 Standard</p>
2	Electronics and Tele Communication Engineering	<p>MATLAB and Simulink Release 2023a</p> <p>VLSI Design software</p> <p>Xilinx make - ISE Series - US ISE FND Ver 5.1</p> <p>Micro-Cap 8</p> <p>OrCAD Capture</p> <p>OrCAD Pspice A/D</p> <p>OrCAD Layout plus</p> <p>VLSI Design Software, Xilinx Make ISE Series US-ISE Version 8.2i</p> <p>DSP Application Software (System Generator for DSP)</p> <p>IE3D Super Structure Design or Software</p> <p>CST Studio Suite Version 2014</p> <p>Proteus VSM Software</p> <p>Opti system V 13 Or Latest Software</p> <p>MATLAB 2020a with all Tools</p>
3	Electrical Engineering	<p>RS Logix 500 Software</p> <p>PSIM Software</p> <p>ETAP</p> <p>Auto CAD Electrical 2022 Free Educational License</p>
4	Mechanical Engineering	<p>Solid works Education Edition</p> <p>MSC Software</p> <p>MATLAB</p> <p>Mastercam X9 Educational</p> <p>Ansys Academic teaching introductory</p> <p>Intellicad</p> <p>Solid Edge V20 Classic</p> <p>Auto CAD 2022 3 Years Free Educational License</p> <p>Automation Sudio</p> <p>SS CNC</p> <p>Robo Dk</p> <p>Witness</p>

5	Civil Engineering	GRAM ++ GIS Version 2.0, E Tubler For GIS Super Civil CD Q T Y R O A D S Super Real Valuation Steel 2007 R C F 2 D Fram Analysis Road Estimate R A F T Site Control Super Rate Analysis MATLAB Software Signal Processing Toolbox DSP System Toolbox Auto CAD 2018 3 Years Free Educational License STAAD pro Software
6	First year B.Tech	Goals British English Language Lab S/W Auto CAD 2022 3 Years Free Educational License
7	Other Dept.	Tally ERP9 Edu smart Sensys Easy Pay Shree Lipi Devanagari Universal Software E Campus College Library SLIM 21 Zoom group license (20) Meet with Large Participants (1000) Turnitin Plagiarism

Special purpose facilities available

- 1) 155 Mbps (1:1) Internet Leased Line connectivity from TATA Teleservices, Ltd. Maharashtra.

Firewall

Sophos XG330 is using for to providing secure internet facility to all department's students, faculties, and laboratories. The Cyberoam firewall is tightly integrated with features like Application Visibility & Control, VPN (IPsec & SSL VPN), Intrusion Prevention System, Web Filtering, Bandwidth Management, Anti-Virus & Anti-Spyware, Anti-Spam, and Multiple Link Management to provide unified security also Cyberoam Firewall thus protects organizations from DoS, DDoS and IP Spoofing attacks.

Servers

Different servers are using for various purposes like Firewall user ADS authentication, Server Clients license software, NPTEL Videos, Online examination, and Storage.

- Dell Power Edge R 210
- HP ProLiant ML110
- IBM AIX Server
- Wipro Xeon Server

- HP ProLiant DL 60

Network Infrastructure:

- All Faculty, Staff and Students are having personal internet login credential for surfing the institute internet facility.
- All Faculty, Staff and Students are having personal Institute G Suite Email ID for official communication.
- Institute has provided well maintains IT infrastructure to students, staff and faculties.
- 24X7 dedicated Internet Leased Line facility provided through the wired as well as wireless connectivity to all Departments' students, faculties, and various computer laboratories and campus boys and girls hostels.
- For providing Wired LAN and WAN connectivity using Single mode OFC, Multimode OFC and CAT 6 Wired connectivity to all Departments' various Computer laboratories, Faculty cabins and campus Girls' and boys' hostels using gigabit manageable HP, Cisco and D link switches. There Are total 57 Gigabit manageable and unmanageable HP, Cisco and D link switches are used.
- For providing Wireless connectivity facility to all Departments' students, faculties, various computers laboratories and campus Girls' and boys' hostels are using D-Link, Airtight, Linksys, TP Link access points. There is total 145+ access points are used in the college and campus Girls and Boys hostels for delivering wireless access Facility.
- Separate internet browsing center.
- NPTEL Video Server
- Zoom meeting large participant's license software

Innovation Cell

College has established the innovation and Entrepreneurship development cell. Detail information available on website link <https://www.vpkbiet.org/edc.php>

Social Media Cell:

Vidya Pratishthan has been decided by the Competent Authority to Establish a MEDIA CELL in Vidya Pratishthan.

The role of the MEDIA CELL will be to foster community relations with internal stake holders through several media relation activities. It accomplished this through its regular corporate new-letters, engagement with print media and by facilitating institutes online presence across various platforms. The cell will manage internal communication by reporting events, happenings and achievements to the administration, faculty and student community

The MEDIA CELL will comprise of the following.

Sr. No.	Name	Designation
1	Dr. Bharat Pandharinath Shinde	Co-ordinator
2	Mrs. Kalpana Avinash Barawkar	Member
3	Mrs. Ragini Vijay Taware	Member
4	02 Student Representative (Male)	Member (To be detailed by the Co-ordinator)
5	02 Student Representative (Female)	

The MEDIA CELL will formulate a charter of duties and standing order Procedure and the same may be forwarded for the perusal of the Hon. Executive Committee.

co-ordination and information

All institution will co-ordinate with the MEDIA CELL and inform about their activities of importance so that the same can be sent for publicity at regular basis. All may be taken into consideration that the said information (In English & Marathi) reaches the MEDIA CELL well in time and there is no delay. The information (In English & Marathi) should also be included and circulated in their institution's Website.

Conclusion

It is a well – known fact that in the recent media has been playing a very important role in the promotion of the brand and publicity. It may also mentioned that proper care be adhered to while using the print Media and with discretion.

List of facilities available

1. Games and Sports Facilities

Indoor/ Outdoor Sports / Gymnasium facilities:

A full fledge sports campus is developed on 20 Acres sports complex of Vidya Pratishtan. Olympic size running track, a well-developed cricket ground of football, tennis courts and Indian games facilities available with coach. Full fledge gymnasia for boys and girls each are available for indoor games with all the facilities. This facility is shared by four colleges of the institute.

The engineering college has its own playground where Volleyball, Basketball, Kho-Kho and Kabaddi facilities are available. Table tennis tables are provided in each hostel.

Last year 2000 students have taken the benefits of these grounds and facilities.



2. Extra-Curricular Activities

Cultural activities

year social annual gathering (Nabhangan) is organized every year . The show where students get a chance to explore their hidden talents on stage. Gathering is culmination of energetic extra-curricular activities like drama, dance, quiz, music, acting, fashion, art, painting, poetry and very special event “DINDI”.

Here students learn to handle socialized and organized events under the guidance of faculty coordinator, this makes them to be good leaders and team members achieving a common goal. This event imparts good managing skills and tasks solving ability to the students. Almost all the students takes active part in one or the other event of the social activities. For more details I For more details visit: <http://www.VPKBIET.org/pages/nabhangan.html>

3. National Service Scheme (NSS) activities:

In India, the idea of involving students in the task of national service dates back to the times of Mahatma Gandhi, the father of the nation. The central theme which he tried to impress upon his student audience time and again, was that they should always keep before them, their social responsibility. The first duty of the students should be, not to treat their period of study as one of the opportunities for indulgence in intellectual luxury, but for preparing themselves for final dedication in the service of those who provided the sinews of the nation with the national goods & services so essential to society. Advising them to form a living contact with the community in whose midst their institution is located, he suggested that instead of undertaking academic research about economic and social disability, the students should do "something positive so that the life of the villagers might be raised to a higher material and moral level". The post-independence era was marked by an urge for introducing social service for students, both as a measure of educational reform and as a means to improve the quality of educated manpower. The University Grants Commission headed by Dr. Radhakrishnan recommended introduction of national service in the academic institutions on a voluntary basis with a view to developing healthy contacts between the students and teachers on the one hand and establishing a constructive linkage between the campus and the community on the other hand.

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The main objectives of National Service Scheme (NSS) are:

- i. Understand the community in which they work
- ii. Understand themselves in relation to their community
- iii. Identify the needs and problems of the community and involve them in problem-solving
- iv. Develop among themselves a sense of social and civic responsibility
- v. Utilize their knowledge in finding practical solutions to individual and community problems
- vi. Develop competence required for group-living and sharing of responsibilities
- vii. Gain skills in mobilizing community participation
- viii. Acquire leadership qualities and democratic attitudes
- ix. Develop capacity to meet emergencies and natural disasters and
- x. Practice national integration and social harmony

NSS programs conducted details Academic Year (2022-23)

Sr. No	Name of NSS Programme	Date	No of participants	Remark
1	One-day Workshop on Setting of Wormi Compost Need of Hours (Expert: Dr. Bhagwan Mali)	11 April 2022	200	
2	Creating Your Brand Image (Expert: Dr. Deepali Jadhav)	11 April 2022	200	
3	Expert Talk on Universal Human Values (Expert: Dr. Sopan Misal)	12 April 2022	224	
4	Expert Talk on Democracy, Election and Governance (Expert: Dr. Atul Shahane and Prof. Vikas Bansode)	13 April 2022	200	
5	IPR Awareness by NIPAM (Expert: Mr. Manoj Somkuwar)	09 May 2022	242	
6	National Integration Camp at Mumbai by Prachi Joshi	22-28 May 2022	1	
7	Shiv-Swarajya Din Celebration	06 June 2022	76	
8	International Yoga Day at Vidya Pratishthan	21 June 2022	50	
9	Blood Donation Camp at VPKBIET	30 July 2022	22	
10	Azadi Ka Amrit Mahotsav Youth Camp at Ahmednagar by Prachi Joshi	12-15 Aug 2022	1	
11	Ironman Triathlon at Kazakhstan (Om Savale Patil)	14 Aug 2022	1	
12	76th Independence Day	15 Aug 2022	276	
13	Voters' Registration Campaign	25 Nov 2022	46	
14	Blood Donation Camp at VPKBIET	02 Feb 2023	40	

4. Training Program

Academic Year 2023-24

Sr. No	Training Programmes	Agency/ Trainer	Duration / Schedule (Days)	Participants(Branches)	No of Participants
1	Career Awareness Session	Dr. Visahl Kore (Central TPO Vidya Pratishthan)	1	BE AI-DS, Civil, Computer, ENTC, Electrical, IT, Mechanical	297
2	GTT Barclays Aptitude Training	Miss. Sakshi Sood, Mr. Dhiraj Salunkhe (GTT Barclays)	6	BE AI-DS, Civil, Computer, ENTC, Electrical, IT, Mechanical	331
3	WNS Global Career Readiness Program	Mrs. Aishwarya Khade , Pratima Karkale ,Balwinder Kaur(WNS Global)	23	BE AI-DS, Civil, Computer, ENTC, Electrical, IT, Mechanical	366
4	Higher Study Opportunities in Foreign Countries	Mr. Krushna A. (Associate Vice President Ashiraj Education Overseas)	1	BE AI-DS, Civil, Computer, ENTC, Electrical, IT, Mechanical ,TE Civil, TE E&TC	74
5	Zensar ESD Aptitude Training	Mr. Mayur Nikam (Zensar ESD)	6	TE AI-DS, Computer, ENTC, IT	97
6	EY-GDS Full Stack Web Development Training	Mr. Hari & Mr. Siva (EY-GDS)	5	TE AI-DS, Computer, ENTC, IT	149
7	Career Guidance Seminar	Dr. Satya Saste (Stealth Mode Fintech Startup Founder)	1	TE AI-DS, Computer, , IT	168

Academic Year 2022-23

Sr. No	Training Programmes	Agency/ Trainer	Duration / Schedule	Participants (Branches)	No of Participants
1	Career Awareness Session	Mr. Visahl Core (Central TPO Vidya Pratishthan)	1	BE Civil, Computer, ENTC, Electrical, IT, Mechanical	282
2	Career Awareness Session	Mr. Suraj Kumbhar (TPO VPKBIET)	1	TE AI-DS, Computer, ENTC, IT	148
3	Amcat Awareness Session	Mr. Ankur Srivastava (Amcat)	1	BE Civil, Computer, ENTC, Electrical, IT, Mechanical	192
4	SQL/PSQL Training	Mr. Abdul Shaikh , Mr. Rohit Agarwal (Zensar ESD)	10	TE AI-DS, Computer, ENTC, IT	149
5	Whisper Personality Development	Mrs. Monali More , Dr. Aparna	1	SE, TE, BE AI-DS, Civil, Computer,	140

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	and Menstrual Hygiene Seminar for Female Students	Sajjan(VPKBIET Baramati)		ENTC, Electrical, IT, Mechanical	
6	Aptitude Training	Miss .Nivedita Neha ,Mr. Pratik Ambastha , Mr. Vishal Shinde (Zensar ESD)	6	TE AI-DS, Computer, ENTC, IT	149
7	GTT Barclays Aptitude Training	Mr. Kartik Nimbalkar (GTT Barclays)	10	FE, SE,TE,BE AI-DS, Civil, Computer, ENTC, Electrical, IT, Mechanical	118
8	Java Training	MR. Rohit Agarwal, Mr. Manav Bhartiya (Zensar ESD)	14	TE AI-DS, Computer, ENTC, IT	149
9	Opportunities of Higher Studies	Mr. Ajit Adsul (VIIT Baramati)	1	BE Civil, Computer, ENTC, Electrical, IT, Mechanical	70
10	Opportunity in Automotive and Design Field	Mr. Anil Patil (Asia Tech Private Limited Pune)	1	SE,TE,BE Mechanical	58
11	Corporate Mentorship Program	Mr. Abhay Joshi, Mr. Ashish Sardesai, Mr. Saqib (VIOSA)	12	TE,BE AI-DS, Civil, Computer, ENTC, Electrical, IT, Mechanical	556

Teaching and Learning Process

First Year Bachelor of Technology SEM-1 and SEM-II

S N	NEP Category	Student DEPT	BoS	Subject Code	Subject	Subject Credits	Teaching Scheme				Examination Scheme					
							WL Type	T H	P R	T U T	Theory			Practical/ Tutorial		
											Activity Marks	IS E	ES E	T W	P R	O R
1	BSC	ALL		BS23102	Engineering Mathematics - II	4	TT	3	0	1	10	30	60	20	0	0
2	BSC	COM P, IT, AIDS	HSSM	BS23104	Engineering Chemistry	4	TP	3	2		10	30	60	20	30	
		CIVIL, MECH, ELECT, E&T C		BS23103	Engineering Physics											
		EXTRA		BS23105	Biology											
3	ESC	COM P, AIDS	ELECT	ET23101	Basic Electrical Engineering	4	TP	3	2		10	30	60	20	30	

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		ELECT, E&T, C, IT	E&TC	CE23101	Basic Electronics Engineering												
		CIVIL	CIVIL	CE23102	Engineering Mechanics												
		MECH	CIVIL	CE23102	Engineering Mechanics												
4	ESC		MECH	ME23102	Engineering Graphics	2	TP	1	2		10		40	30			
	PCC	COMP, IT, AIDS	RESP BoS	CO23102 IT23102 AI23101	Programme Core Course	2	TP	2			10	20	40				
	ESC	CIVIL, MECH, ELEC, T, E&T, C	COMP	CO23101	Programming & Problem Solving	4	TP	3	2		10	30	60	20	30		
5	VSEC	COMP, IT, AIDS	RESP BoS	CO23103 IT23103 AI23102	Workshop (SEC)												
		CIVIL, MECH, ELEC, T, E&T, C	IT	IT23101	Computer Proficiency (SEC)	2	TP	1	2		10			20	30		
6	AEC	COMP, IT, AIDS		HS23102	Indian Knowledge System												
	IKS	CIVIL, MECH, ELEC, T, E&T, C	HSSM	HS23101	Communication and Professional Skills	2	TH	2	0		10			20		30	
7	CC	ALL		HS23104	Cocurricular Courses	1	PR		2							30	
8	CC	ALL	HSSM	HS23103	Physical Education - Exercise and Field Activities	1	PR		2							30	
Total:						22		15	12	1	70	110	260	130	150	30	
								28		440		310					
								Internal:		310		43.1 %					
								External		410		56.9 %					

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S N	NEP Catego ry	Stude nt DEPT	BoS	Subje ct Code	Subject	Subje ct Credi ts	Teaching Scheme				Examination Scheme						
											Theory			Practical/ Tutorial			
							WL Type	T H	P R	TU T	Activi ty Mark s	IS E	ES E	T W	P R	O R	
1	BSC	ALL		BS23101	Engineering Mathematics - I	4	TT	3		1	10	30	60	20			
2	BSC	COM P, IT, AIDS	HSSM	BS23103	Engineering Physics	4	TP	3	2		10	30	60	20	30		
		CIVIL , MEC H, ELEC T, E&TC		BS23104	Engineering Chemistry												
		EXTR A		BS23105	Biology												
3	ESC	COM P, AIDS	E&TC	ET23101	Basic Electronics Engineering	4	TP	3	2		10	30	60	20	30		
		ELEC T, E&TC ,IT	ELECT	EL23101	Basic Electrical Engineering												
		CIVIL	CIVIL	CE23101	Basic Civil Engineering												
		MEC H	MECH	ME2310 1	Basic Mechanical Engineering												
4	ESC	COM P, IT, AIDS	COMP	CO23101	Programmin g & Problem Solving (Python)	4	TP	3	2		10	30	60	20	30		
	ESC	CIVIL , MEC H	MECH	ME2310 2	Engineering Graphics	2	TP	1	2		10		40	30			
	PCC	MEC H, ELEC T, E&TC	RESP BoS	CE23103	Programme Core Course	2	TP	2			10	20	40				
				ME2310 3													
				EL23102													
XX23102																	
5	VSEC	COM P, IT, AIDS	IT	IT23101	Computer Proficiency (SEC)	2	TP	1	2		10			20	30		
		CIVIL , MEC H, ELEC T, E&TC	RESP BoS	CE23104	Workshop (SEC)												
				ME2310 4													
				EL23103													
ET23102																	
6	AEC	COM P, IT, AIDS	HSSM	HS23101	Communicati on and Professional Skills	2	TH	2	0		10			20		30	
	IKS	CIVIL , MEC		HS23102	Indian Knowledge System												

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		H, ELEC T, E&TC														
7	CC	ALL	HSSM	HS23103	Physical Education - Exercise and Field Activities	1	P R		2							30
8	CC	ALL		HS23104	Co Curricular Courses	1	P R		2							30
Total:						22		15	12	1	60	120	240	120	180	30
								28			420			330		
								Internal:			300			40.0 %		
								External			450			60.0 %		

Civil Engineering
Undergraduate(UG)

Name of Department		Term	Subject	Hours per Week			Maximum Marks				Total
				L	P/D	T	PP	TW	PR	OR	
Civil Engineering	FE	I	7	18	10	1	500	25	125		650
		II	7	17	12	2	450	75	125		650
	SE	I	6	15	13	1	500	100	-	100	700
		II	6	15	12	1	500	100	50	50	700
	TE	I	5	20	-	10	500	100	-	150	750
		II	6	20	--	10	500	100	50	100	750
	BE	I	6	22	-	10	500	100	-	150	750
		II	5	16	-	14	400	200	-	150	750

Postgraduate(PG)

Department Name	Class/FY/SY/TY/B Tech	Term	Subject Name (Code)	Teaching scheme			Examination scheme and marks					Total marks
				L	PR	Tut	PP	Act ivity	PR	T W	OR	
Civil Engineering	FY M Tech Structur al engg.	I	Numerical Methods in Civil Engineering(MSE23101)	4			30+ 60	20				110
			Advanced Design of Steel Structures (MSE23102)	4			30+ 60	20				110
			Structural Dynamics (MSE23103)	3			30+ 60	20				110
			MDS- 1(MSE23104)	2			20+ 40	10				70

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			Research Methodology (MSE23105)	3			30+60	10				100
			Laboratory Proficiency - I(MSE23106)	4	8					50	50	100
			AC-Indian Knowledge System (MHS23101)	2			30	20				50
		II	Finite Element Method(MSE 23111)	4			30+60	20				110
			Theory of Plates & Shells(MSE23112)	4			30+60	20				110
			Advanced Design of Concrete Structures(MSE23113)	4			30+60	20				110
			Program Elective - I(MSE23114)	4			30+60	20				110
			Laboratory Proficiency - II (MSE23115)	4	8					50	50	100
			AC-Environmental studies(MSE 23116)	2			30	30				60
	M.E.-II Structural engineering	III	Research Methodology (601013)	4			50+50					100
			Analysis and Design of Earthquake Resistant Structures (601014)	4			50+50					100
			Elective III	5			50+50					100
			Seminar II	4						50	50	100

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			Project Stage I	8						50	50	100
		IV	Seminar III (601018)	5						50	50	100
			Project stage II (601019)	20						150	50	200

Mechanical Engineering

Undergraduate(UG)

Name of Department	Term	Subject	Hours per Week			Maximum Marks				Total	
			L	P/D	T	PP	TW	PR	OR		
	I	1.Solid Mechanics	4	2	--	100	--	50	--	150	
		2. Solid Modeling and Drafting	3	2	--	100	--	50	--	150	
		3. Engineering Thermodynamics	3	2	--	100	--	--	25	125	
		4. Engineering Materials and Metallurgy	3	2	--	100	25	--	--	125	
		5. Electrical and Electronics Engineering	3	2	--	100	25	--	--	125	
		6. Geometric Dimensioning and Tolerancing Lab	--	2	--	--	25	--	--	25	
		7. Audit Course - III	--	--	--	--	--	--	--	--	
	SE	II	1.Engineering Mathematics - III	3	--	1	100	25	--	--	125
			2. Kinematics of Machinery	3	2	--	100	--	--	25	125
			3. Applied Thermodynamics	3	2	--	100	--	--	25	125
			4. Fluid Mechanics	3	2	--	100	--	--	25	125
			5. Manufacturing Processes	3	--	--	100	--	--	--	100

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		6. Machine Shop	--	2	--	--	50	--	--	50	
		7. Project Based Learning - II	--	4	--	--	50	--	--	50	
		8. Audit Course - IV	--	--	--	--	--	--	--	--	
TE	I	1. Numerical & Statistical Methods	3	--	1	100	25	--	--	125	
		2. Heat & Mass Transfer	3	2	--	100	--	50	--	150	
		3. Design of Machine Elements	3	2	--	100	--	--	25	125	
		4. Mechatronics	3	2	--	100	--	--	25	125	
		5. Elective I	3	--	--	100	--	--	--	100	
		6. Digital Manufacturing Laboratory	--	2	--	--	50	--	--	50	
		7. Skill Development	--	2	--	--	25	--	--	25	
		8. Audit course - V	--	--	--	--	--	--	--	--	
		II	1. Artificial Intelligence & Machine Learning	3	2	--	100	--	--	25	125
			2. Computer Aided Engineering	3	2	--	100	--	50	--	150
			3. Design of Transmission Systems	3	2	--	100	--	--	25	125
			4. Elective II	3	--	--	100	--	--	--	100
			5. Measurement Laboratory	--	2	--	--	50	--	--	50
			6. Fluid Power & Control Laboratory	--	2	--	--	50	--	--	50
			7. Internship/Mini project	--	4	--	--	100	--	--	--
			8. Audit course - VI	--	--	--	--	--	--	--	--

Mandatory Disclosure-2023-24

		1.Heating Ventilation Air-Conditioning and Refrigeration	3	2	--	100	--	--	25	125
		2. Dynamics of Machinery	3	2	--	100	--	--	25	125
		3. Turbomachinery	2	2	--	50	25	--	25	100
		4. Elective – III	3	--	--	100	--	--	--	100
		5. Elective - IV	3	--	--	100	--	--	--	100
		6. Data Analytics Laboratory	--	2	--	--	50	--	--	50
		7. Project (Stage - I)	--	4	--	--	50	--	50	100
		8. Audit Course VII	--	--	--	--	--	--	--	--
	II	1. Computer Integrated Manufacturing	3	2	--	100	25	--	25	150
		2. Energy Engineering	3	2	--	100	25	--	25	150
		3. Elective - V	3	--	--	100	--	--	--	100
		4. Elective - VI	3	--	--	100	--	--	--	100
		5. Mechanical Systems Analysis Laboratory	--	2	--	--	25	--	--	50
		6. Project (Stage - II)	--	10	--	--	100	--	--	50
		7. Audit Course VIII	--	--	--	--	--	--	--	--

Postgraduate(PG)-M.Tech (Robotics and Automation)

Department Name	Class/ FY/SY /TY/B Tech	Term	Subject Name (Code)	Teaching scheme			Examination scheme and marks				Total marks
				L	PR	Tut	PP	PR	TW	OR	
Mechanical Engineering	FY	I	Advanced Mathematics and Numerical Methods (MERA501)	4	--	--	100	--	--	--	100
			Machine Vision System (MERA502)	4	--	--	100	--	--	--	100
			Total Integrated Automation Industry 4.0 (MERA503)	4	--	--	100	--	--	--	100
			Engineering Research Methodology (MERA504)	4	--	--	100	--	--	--	100
			Elective-I (MERA05)	5	--	--	100	--	--	--	100
			Lab Practice-I (MERA506)	--	4	--	--	--	50	50	100
		II	Artificial Intelligence and Machine learning for Robotics (MERA507)	4	--	--	100	--	--	--	100
			Digital signal & Video processing (MERA508)	4	--	--	100	--	--	--	100
			Robotic operating system (MERA509)	4	--	--	100	--	--	--	100
			Elective -II (MERA510)	5	--	--	100	--	--	--	100
			Seminar I (MERA510)	--	4	--	--	--	50	50	100
			Lab Practice-II (MERA511)	--	4	--	--	--	50	50	100

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			Robotics application (MERA513)	4	--	--	100	--	--	--	100
			Automatic control & Power System (MERA514)	4	--	--	100	--	--	--	100
		III	Elective III (MERA515)	5	--	--	100	--	--	--	100
			Mini Project with Seminar (MERA516)	--	4	--	--	--	50	50	100
			Dissertation Stage I (MERA517)	--	8	--	--	--	50	50	100
			Industry Internship / In house Research Project (MERA518)	5	--	--	--	--	50	50	100
			Dissertation Stage I (MERA519)	20	--	--	--	--	150	50	200
		SY									

Computer Engineering
Undergraduate (UG)

Department Name		Term	Subject	Hours per Week			Maximum Marks				Total
				L	P/D	T	PP	TW	PR	OR	
		I	DM	03			100				100
		I	FDS	03			100				100
		I	OOP	03			100				100
		I	CG	03			100				100
		I	DELD	03			100				100
		I	DSL		16			25	50		75
		I	OOPCGL		16			25	25		50
		I	DEL		08			25			25
		I	BCSL		08			25			25
		I	HSS			1		25			25
		II	EM-III	03		4	100	25			125
		II	DSA	03			100				100
		II	SE	03			100				100
		II	MP	03			100				100
		II	PPL	03			100				100
		II	DSAL		16			25	25		50
		II	MPL		08			25		25	50
		II	PBL-II		16			50			50
		II	COC			1		25			25
		I	DBMS	03			100				100
		I	TOC	03			100				100
		I	SPOS	03			100				100
		I	CNS	03			100				100
		TE									

Mandatory Disclosure-2023-24

	I	IOTES	03			100				100
	I	SPM	03			100				100
	I	DMSL		16			25	25		50
	I	CNSL		08			25		25	50
	I	LP-I		08			25	25		50
	I	STC			1		50			50
	II	DSBDA	04			100				100
	II	WT	04			100				100
	II	AI	04			100				100
	II	CC	04			100				100
	II	Internship					100			100
	II	DSBDAL		16	4		50	25		75
	II	WTL		08			25		25	50
	II	LP-II		16			50	25		75
BE	I	DAA	03			100				100
	I	ML	03			100				100
	I	BT	03			100				100
	I	OMD	03			100				100
	I	STQA	03			100				100
	I	LP-III		16			50	50		100
	I	LP-IV		08			50			50
	I	PWS-I		08			50			50
	II	HPC	03			100				100
	II	DL	03			100				100
	II	IP	03			100				100
	II	SC	03			100				100
	II	LP-V		08			50	50		100
	II	LP-VI		08			50			50
	II	PWS-II		24			100		50	150

Postgraduate(PG)(M.Tech(AI&DS)

Department Name	Class/FY/SY/TY/M Tech	Term	Subject Name (Code)	Teaching scheme			Examination scheme and marks					Total marks	
				L	P	T	PP			P	T		O
							Activity marks	IS	ES				
			Data Preparation and Analysis(MAI23101)	4	-	-	20	30	60	-	-	-	110
			Mathematical Foundation For Data Science(MAI23102)	4	-	-	20	30	60	-	-	-	110
			Artificial Intelligence(MAI2	3	-	-	20	30	60	-	-	-	110

Mandatory Disclosure-2023-24

Computer Engineering	FY	- Term I	3103)										
			MDS(MAI23104)	2	-	-	10	20	40	-	-	-	70
			Research Methodology(MAI23105)	3	-	-	10	30	60	-	-	-	100
			Laboratory Proficiency - I(MAI23106)		8	-		-	-	-	50	50	100
			Indian Knowledge System(MSE23107)	2	-	-	20	-	-	-	-	30	50

MAI23104-A	Information Systems Management
MAI23104-B	Advanced IoT Design and Applications
MAI23104-C	Computational Linguistic Analytics
MAI23104-D	Distributed Databases

Semester II

Department	Class / FY/ SY/ MTech	Term	Subject Name (Code)	Teaching Scheme			Examination Scheme and Marks					Total Marks	
				L	P R	Tu t	PP			P R	T W		OR
							Ac tivity Ma rks	IS E	ES E				
AI& DS	FY	Term -II	Advance Machine Learning(MAI23111)	4	-	-	20	30	60	-	-	-	110
			Scalable Data Science(MAI23112)	4	-	-	20	30	60	-	-	-	110
			Advance Computing Intelligence(MAI23113)	4	-	-	20	30	60	-	-	-	110

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		Program Elective - I(MAI23114)	4	-	-	20	30	60	-	-	-	110
		Laboratory Proficiency - II(MAI23115)		8	-		-	-	-	50	50	100
		Environmental studies(MSE23116)	2	-	-	30	-	-	-	-	30	60
		Total	18	8	-	110	120	240	-	50	80	600

Program Elective - I	
MAI23114-A	Business Intelligence
MAI23114-B	Cryptography and Cryptanalysis
MAI23114-C	Advance Image Processing
MAI23114-D	Virtual Reality Augmented Reality

Semester III

Department	Class / FY/ SY/ MTech	Term	Subject Name (Code)	Teaching Scheme			Examination Scheme and Marks					Total Marks	
				L	P R	Tu t	PP			P R	T W		OR
							Ac tivity Ma rks	IS E	ES E				
			Deep Learning(MAI23201)	4	-	-	20	30	60	-	-	-	110
			Natural Language Processing(MAI23202)	4	-	-	20	30	60	-	-	-	110

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AI& DS	M.Te ch	Term -III	Program Elective-II(MAI23203)	4	-	-	20	30	60	-	-	-	110	
			Dissertation Stage-I(MAI23204)		8	-	-	-	-	-	100	50	150	
			Constitution of India(MHS23201)	2	-	-	10	-	-	-	-	25	35	
			Industrial Mgmt(MRA23205)	2	-	-	10	-	-	-	-	25	35	
			Total	16	8	-	80	90	180	-	100	100	550	

Program Elective - II	
MAI23203-A	Data Modeling and Visualization
MAI23203-B	GPU Computing
MAI23203-C	Product Life Cycle Management
MAI23203-D	Data Mining and Analysis

Semester IV

Department	Class / FY/ SY/ MTech	Term	Subject Name (Code)	Teaching Scheme			Examination Scheme and Marks					Total Marks	
				L	P R	Tu t	PP			P R	T W		OR
							Ac tivity Marks	IS E	ES E				
			Seminar(MAI23211)	-	4	-	-	-	-	-	50	50	100

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AI& DS	SY	Term -IV	Industry Internship / Inhouse research project(MAI2321 2)	-	20	-	-	-	-	150	100	250	
			Dissertation Stage- II(MAI23213)	-	16	-	-	-	-	-	100	100	200
			Total	-	40	-	-	-	-	-	300	250	550

Information Technology
Undergraduate(UG)

Depart ment Name	Class	Term	Subject	Teaching (Hours per Week)			Examination Scheme and Marks					Total
				Lect	Pr	Tut	In- Sem	End - Sem	Tw	Pr	Or	
IT	SE	I	DM	03	-	01	30	70	25	-	-	125
			LD&CO	03	-	-	30	70	-	-	-	100
			DSA	03	-	-	30	70	-	-	-	100
			OOP	03	-	-	30	70	-	-	-	100
			BCN	03	-	-	30	70	-	-	-	100
			LD&CO L	-	02	-		-	25	25	-	50
			DSAL	-	04	-		-	25	25	-	50
			OOP L	-	04	-		-	25	25	-	50
			SSL	-	02	-		-	25	-	-	25
		MAC-3	-	-	-		-	-	-	-	-	
		II	EM-III	3	-	1	30	70	25	-	-	125
			PA	3	-	-	30	70	-	-	-	100
			DBMS	3	-	-	30	70	-	-	-	100
			CG	3	-	-	30	70	-	-	-	100
			SE	3	-	-	30	70	-	-	-	100
			PSDL	-	2	-		-	25	25	-	50
			DBMS L	-	4	-		-	25	25	-	50
			CGL	-	2	-		-	-	25	-	25
			PBL	-	4	-		-	50	-	-	50
	MAC-4	-	-	-		-	-	-	-	-		
			TOC	3	--	--	30	70	--	--	--	100
			OS	3	--	--	30	70	-	-	--	100
			ML	3	--	--	30	70	--	--	--	100
			HCI	3	--	--	30	70	--	--	--	100

Mandatory Disclosure-2023-24

TE	I	Elec-1	3	--	--	30	70	--	--	--	100		
		OSL	-	4	-	-	-	-	25	25	-	50	
		HCI Lab	--	2	-	-	-	-	-	-	50	50	
		LP-I	--	4	-	-	-	-	25	25	--	50	
		Seminar		1	-	-	-	-	50	-	-	50	
		AC- 5	--	--	--	-	-	-	--	--	--	--	
	II	CN&S	3	-	--	30	70	--	--	--	--	100	
		DS&BD A	3	-	--	30	70	--	--	--	--	100	
		WAD	3	-	-	30	70	--	--	--	--	100	
		Elec-II	3	-	-	30	70	--	--	--	--	100	
		Internship	-	4	-	-	-	-	100	--	--	100	
		CN&SL	--	4	-	-	-	-	25	--	50	75	
	II	DS&BD A Lab	--	2	-	-	-	-	25	25	--	50	
		LP-II	--	4	-	-	-	-	50	25	--	75	
		AC- 6	--	--	--	-	-	-	--	--	--	--	
		BE	I	I&CS	3	--	--	30	70	--	--	--	100
				SMD	4	--	--	30	70	--	--	--	100
				ML	3	--	--	30	70	--	--	--	100
Elec-I	3			--	--	30	70	--	--	--	100		
Elec -II	3		--	--	30	70	--	--	--	100			
SL-III	--		4	--		-	50	50	--	100			
SL-IV	--		4	--		-	50	--	50	100			
Project-I	--		--	2		-	50	--		50			
II	DS	3	--	--	30	70	--	--	--	--	100		
	AD	3	--	--	30	70	--	--	--	--	100		
	Elec-III	3	2	--	30	70	25	--	25	150			
	Elec-IV	3	--	--	30	70	--	--	--	100			
	SL-V	--	4	--		-	50	50	--	100			
	SL-VI	--	2	--		-	25	--	25	50			
Project Work	--	--	6		-	50	--	100	150				

Electrical Engineering
Undergraduate(UG)

Name of Department	Term	Subject	Hours per Week			Maximum Marks				Total			
			L	P/D	T	PP	TW	PR	OR				
Electrical Engineering	FE	I	BEE	3	2	-	-	-	25	-	5		
		II	BEE	3	2	-	-	-	25	-	5		
	SE	I	Engg.Math-III	3	-	-	-	-	-	-	-	03	
			PGT	3	-	-	-	-	-	-	-	03	
			MS	3	4#	-	-	25	-	25	-	05	
			ADC	3	2	-	-	-	50	-	-	04	
			EMI	3	4#	-	-	25	25	-	-	05	
			AMEE	-	2*	-	-	25	-	-	-	01	
			SS	-	2	-	-	25	-	-	-	01	
			AC	-	-	-	PP	-	-	-	-	-	
			II	PS-I	3	-	-	-	-	-	-	-	03
				EM-I	3	2	-	-	-	50	-	-	04
	NA	3		2	-	-	25	-	-	-	04		

Mandatory Disclosure-2023-24

		NMCP	3	2	-	-	-	25	-	04
		FMA	3	4\$	-	-	25	-	25	05
		PBL	-	4	-	-	50	-	-	-
		AC	-	-	-	PP	-	-	-	-
TE	I	ITM	3	-	-	-	--	-	-	03
		PE	3	-	-	-	-	50	-	05
		EM-II	3	4#	-	-	25	25	-	04
		EIDCBM	3	2	-	-	25	-	25	05
		ELECT-I(AMES)	3	4#	-	-	-	-	-	03
		SEMINAR	-	-	-	-	-	-	-	01
		AC-V	2*	-	-	PP	50	-	-	00
	II	PS-II	3	2	-	-	25	50	-	05
		CADEM	3	4#	-	-	50	-	25	05
		CES	3	2\$	1\$	-	25	-	25	04
		ELECT-II(EM)	3	-	-	-	-	-	-	03
		INTERNSHIP	-	-	-	-	100	-	-	04
		AC	2*	-	-	PP	-	-	-	00
	BE	I	PSOC	3	2	-	-	25	-	25
PLC SCADA & APPL			3	2	-	-	-	-	25	04
PQM			-	-	-	-	-	-	-	-
E&HV			3	-	2*	-	25	-	-	04
Adv Cont			3	2	-	-	-	-	50	04
II		PROJECT-I	2#	4	-	-	50	--	50	02
		AC	-	-	2	-	-	-	50	-
		Mooc	--	--	--	-	50	-	-	02
		SGP	3	2	--	--	25	--	50	04
		AEDC	3	2	--	-	25	50	--	04
Illum	3	-	--	--	-	-	--	03		
SG	3	-	--	--	--	--	--	03		
PROJECT-II	-	12	--	--	100	--	50	06		
AC	2#	---	--	-	-	-	-	-		

Electronics and Telecommunication Engineering
Undergraduate(UG)

Department Name	Term	Subject	Hours per Week			Maximum Marks			Total	
			L	P	T	PP	T/W	P/R		O/R
Electronics and Telecommunication Engineering	SE	Engineering Mathematics-III	04	-	01	100	25	-	-	125
		Electronics Circuits	03	-	-	100	-	-	-	100
		Digital Circuits	03	-	-	100	-	-	-	100

		Electrical Circuits	03	-	-	100	-	-	-	100
		Data Structures	03	-	-	100	-	-	-	100
		Electronic Circuit Lab	-	02	-	-	-	50	-	50
		Digital Circuit Lab	-	02	-	-	-	50	-	50
		Electrical Circuit Lab	-	02	-	-	25	-	-	25
		Data Structure Lab	-	02	-	-	-	-	25	25
		Electronic Skill Development	-	02	-	-	25	-	-	-
		Mandatory Audit Course -3	-	-	-	-	-	-	-	-
	II	Signals and Systems	3	-	1	100	25	-	-	125
		Control systems	3	-	-	100	-	-	-	100
		Principals of Communication Systems	3	-	-	100	-	-	-	100
		Object Oriented Programming	3	-	-	100	-	-	-	100
		Signals and Control Systems Lab		2	-	-	50	-	-	50
		Principals of Communication System Lab	-	2	-	-	-	50	-	50
		Object Orientated Programming Lab	-	2	-	-	-	-	50	50
		Data Analytic Lab	-	2	-	-	-	-	25	25

Mandatory Disclosure-2023-24

		Employability Skill Development	2	2	-	-	50	-	-	50
		Project Based Learning		4			50			
		Mandatory Audit Course 4	-	-	-	-	-	-	-	-
TE	I	Digital Communication	3	--	--	100	--	--	--	100
		Electromagnetic Field Theory	3	--	1	100	25	-	-	125
		Database Management	3	--	--	100	--	--	--	100
		Microcontrollers	3	--	--	100	--	--	--	100
		Elective-I(Fundamentals of Java Programming)	3	--	--	100	--	--	--	100
		Digital Communication Lab	--	2	-	-	--	50	--	50
		Database Management Lab	--	2	-	-	-	--	25	25
		Microcontroller Lab						50		50
		Elective-1 Lab(Fundamentals of Java Programming)	--	2	--	--		25	--	25
		Skill Development	--	2	--	-	25	--	--	25
		Mandatory Audit course-5	--	--	--	--	--	--	--	
II		Cellular Network	3	-	--	100	--	--	--	100
		Project Management	3	-	--	100	--	--	--	100

		Power Devices and Circuits	3	-	-	100	--	--	--	100
		Elective-II(advanced Java Programming)	3	-	-	100	--	--	--	100
		Cellular Network Lab	-	2	-	-	-	-	50	50
		Power devices and Circuit Lab	-	2	-	-	--	50	--	50
		Elective-II (Advanced Java Programming Lab)	--	2	-	-		25	-	25
		Mini Project	--	4	-	-	25	50	--	75
		Internship	--	--	-	-	-	100	-	100
		Audit Course -6	--	--	--	--	--	--	--	--
BE	I	Radiation and Microwave Theory	3	--	--	100	--	--	--	100
		VLSI Design and Technology	3	--	--	100	--	--	--	100
		Cloud computing	3	--	--	100	--	--	--	100
		Elective-3	3	--	--	100	--	--	--	100
		Elective -4	3	--	--	100	--	--	--	100
		Lab Practice-I(RMT & Cloud Computing))	--	4	--	-	25	-	50	75
		Lab Practice-II(VLSI+Elective-3)	--	4	--	---	25	50	--	75
		Project-stage-I	--	2	--	-	50	--	50	50

			Audit Course-7	--	--	--	-	--	--	--	--
	II		Fiberoptic Communication	3	--	--	100	--	--	--	100
			Elective-5	4	--	--	100	--	--	--	100
			Elective-6	3	--	--	100	--	--	--	100
			Innovation and Entrepreneurships	--	--	2	--	50	--	--	100
			Digital Business Management	--	--	2	-	50	--	--	50
			Fiber Optics Lab	--	2	--	--	25	--	50	75
			Lab Practice-3(Elective-5)	--	2	--	-	25	50	--	75
			Project Stage-II	--	10	--	--	100	--	50	150

**Artificial Intelligence and data Science:
Undergraduate(UG)**

Name of Department	Term	Subject	Hours per Week			Maximum Marks				Total
			L	P/D	T	PP	TW	PR	OR	
Artificial Intelligence and Data Science	SE Sem-III	Discrete Mathematics	3	-	-	30/70	-	-	-	100
		Fundamentals of Data Structures	3	-	--	30/70	-	-	-	100
		Object oriented programming	3	-	-	30/70	-	-	-	100
		Computer graphics	3	-	-	30/70	-	-	-	100
		Operating system	3	-	-	30/70	-	-	-	100
		Data structures laboratory	-	4	-	-	25	50	-	75
		OOP and computer graphics laboratory	-	4	-	-	25	25	-	50
		Operating system Laboratory	-	2	-	-	25	-	-	25

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		Business communication skills	-	2	-	-	25	-	-	25
		Humanity and social science	-	-	1	-	25	-	-	25
		Audit course 3								
Artificial Intelligence and Data Science	SE Sem-IV	Statistics	3	-	-	30/70	-	-	-	100
		Internet of Things	3	-	-	30/70	-	-	-	100
		Data structures and Algorithms	3	-	-	30/70	-	-	-	100
		Software Engg.	3	-	-	30/70	-	-	-	100
		Management information system	3	-	-	30/70	-	-	-	100
		Internet of Things Laboratory	-	4	-	-	50	25	-	75
		Data structures and Algorithms Laboratory	-	4	-	-	25	25	-	50
		Project based learning II	-	4	-	-	50	-	-	50
		Code of conduct	-	-	1	-	25	-	-	25
		Audit course4	grade							

Artificial Intelligence and Data Science	TE Sem V	Data Base Management system	3	-	-	30/70	-	-	-	100
		Computer Networks	3	-	-	30/70	-	-	-	100
		Web Technology	3	-	-	30/70	-	-	-	100
		Artificial Intelligence	3	-	-	30/70	-	-	-	100
		Elective I	3	-	-	30/70	-	-	-	100
		Software Laboratory I	-	4	-	-	25	25	-	50
		CN Laboratory	-	2	-	-	25	25	-	50
		Elective I Laboratory	-	2	-	-	25	-	25	50
		Seminar and Technical Communication	-	-	1	-	25	-	-	25
		Environmental studies	-	-	1	-	25	-	-	25
		Audit course 5	Grade							
		Data science	4	-	-	30/70	-	-	-	100

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Artificial Intelligence and Data Science	TE Sem VI	Cyber security	4	-	-	30/70	-	-	--	100
		Artificial Neural Network	4	-	-	30/70	-	-	-	100
		Elective II	4	-	-	30/70			-	100
		Software Laboratory II	-	4	-	-	25	25	-	50
		Software Laboratory III	-	4	-	-	50	25	-	75
		Internship	-	-	-	-	50	-	50	100
		Mini Project (CS and Elective II)	-	2	-	-	50	-	25	75
		Audit Course 6	Grade							

Teaching load and course handling faculties

- First Year B.Tech. SEM-I (2023-24)

SN	Subject	Name of Faculty	Class	TH load	Practical/Tutorial load	Total	Subject Load of Subject
1	Engineering Mathematics-I	Dr. A. P. Hiwarekar	IT, ME	6	IT1, IT2, IT3, ME1, ME2, ME3	6	54
		Mr. A. S. Jadhav	ET	3	ET1, ET2, ET3	3	
		Mr. D. S. Sonawane	AIA, AIB	9	AI1, AI2, AI3, AI4, AI5, AI6, EL1, EL2, EL3	9	
		Ms. G. G. Bhoite	COA, COB	9	CO1, CO2, CO3, CO4, CO5, CO6, CE1, CE2, CE3	9	
2	Engineering Physics	Dr. A. S. Disale	COA, COB	6	CO1, CO2, CO3, CO4, CO5	10	45
		Dr. N. K. Sahuji	IT	3	IT1, IT2, IT3, CO6	8	
		Dr. N. T. Shelke	AIA, AIB	6	AI1, AI2, AI3, AI4, AI5, AI6	12	
3	Engineering Chemistry	Dr. A. G. Sajjan	CE	3	CE1, CE2, CE3	6	36
		Dr. N. A. Jadhav	ET, EL	6	ET1, ET2, ET3, EL1	8	
		Mr. A. P. Khandagale	ME	3	ME1, ME2, ME3, EL2, EL3	10	
4	Basic Electronics Engineering	Ms. V. S. Surwase	COA, COB	6	CO1, CO2, CO3, CO4, CO5, CO6, AI4	14	27
		Ms. M. R. Kate	AIB	3	-----	0	
		Mr. M. M. Jadhav	AIA	3	AI1, AI2, AI3, AI5, AI6	10	

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5	Basic Electrical Engineering	Ms. J. S. Kulkarni	ET	3	ET1, ET2, ET3, IT1, IT2	10	13	27
		Mr. S. D. Shelar	IT	3	-----	0	3	
		Ms. V. V. Deokate	EL	3	EL1, EL2, EL3, IT3	8	11	
6	Basic Civil Engineering	Mr. Y. H. Tambe	CE	3	CE1, CE2, CE3	6	9	9
7	Basic Mechanical Engineering	Mr. D. S. Bhosale	ME	3	ME1, ME2, ME3	6	9	9
8	Engineering Graphics	Mr. V. B. Bhagwat	ME	1	ET1, ET2, ET3	6	7	28
		Mr. P. V. Dhandore	ME	1	CE1, CE2, CE3	6	7	
		Dr. V. B. Gawande	ME	1	ME1, ME2, ME3	6	7	
		Dr. V. C. Todkari	ME	1	EL1, EL2, EL3	6	7	
9	Programming and Problem Solving	Mr. S. N. Dhage	COA	3	CO1, CO2, CO3	6	9	45
		Ms. N. P. Shah	COB	3	C04, CO5, CO6	6	9	
		Ms. D. V. Mehta	IT	3	IT1, IT2, IT3	6	9	
		Ms. S. S. Ghadge	AIB	3	AI4, AI5, AI6	6	9	
		Ms. H. K. Jadhav	AIA	3	AI1, AI2, AI3	6	9	
10	Computer Proficiency	Ms. N. P. Shah	COA	1	CO1, CO2, CO3	6	7	35
		Mr. S. N. Dhage	COB	1	C04, CO5, CO6	6	7	
		Ms. S. S. Ghadge	IT	1	IT1, IT2, IT3	6	7	
		Ms. H. K. Jadhav	AIB	1	AI4, AI5, AI6	6	7	
		Ms. D. V. Mehta	AIA	1	AI1, AI2, AI3	6	7	
11	W/S-CE	Mr. Y. H. Tambe	CE	1	CE1, CE2, CE3	6	7	7
12	W/S-ME	Mr. V. B. Bhagwat	ME	1	CE1, CE2, CE3	6	7	7
13	W/S-ET	Mr. M. S. Gawade	ET	1	CE1, CE2, CE3	6	7	7
14	W/S-EL	Mr. S. D. Shelar	EL	1	CE1, CE2, CE3	6	7	7
15	PCC-CE	Dr. R. J. Patil/ Mr. A.M. Gaikwad	CE	2	-----	0	2	2
16	PCC-ME	Ms. J. S. Kulkarni	ME	2	-----	0	2	2
17	PCC-ET	Mr. M. S. Gawade	ET	2	-----	0	2	2
18	PCC-EL	Ms. V. V. Deokate	EL	2	-----	0	2	2

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19	Indian Knowledge System	Ms. K. A. Kulkarni	ET, EL, ME, CE	8	----	0	8	8
20	Communication & Professional Skills	Mr. M. B. Patole	COA, COB, AIA, AIB, IT	10	----	0	10	10

First year B.Tech . SEM-II(2023-24)

SN	Subject	Name of Staff	Div	Practical/Tutorial Batches	TH load	PR/ TUT	Total load	Subject Load
1	Engineering Mathematics-II	Dr. A. P. Hiwarekar	IT, ME	IT1, IT2, IT3, ME1, ME2, ME3	6	4	10	54
		Mr. A. S. Jadhav	ET, AI&DS-B	ET1, ET2, ET3, AI4, AI5, AI6	6	6	12	
		Mr. D. S. Sonawane	AIDS-A	AI1, AI2, AI3	3	5	8	
		Ms. G. G. Bhoite	COMP-A, B CE	CO1, CO2, CO3, CO4, CO5, CO6, CE1, CE2, CE3	9	7	16	
		Ms. S. S. Khot	EL	EL1, EL2, EL3	3	5	8	
2	Engineering Physics	Dr. A. S. Disale	EL	EL1, EL2, EL3, ME3	3	8	11	36
		Dr. N. K. Sahuji	CE	CE1, CE2, CE3	3	6	9	
		Dr. N. T. Shelke	ET, ME	ET1, ET2, ET3, ME1, ME2	6	10	16	
3	Engineering Chemistry	Dr. A. G. Sajjan	IT	IT1, IT2, IT3	3	6	9	45
		Dr. N. A. Jadhav	COMP-A COMP-B	CO1, CO2, CO3, C04, CO5, CO6	6	12	18	
		Mr. A. P. Khandagale	AIDS-A AIDS-B	AI1, AI2, AI3, AI4, AI5, AI6	6	12	18	
4	Basic Electronics Engineering	Ms. V. S. Surwase	ET, EL	ET1, ET2, ET, EL1, EL2, EL3	6	12	18	27
		Mr. M. M. Jadhav	IT	IT1, IT2, IT3	3	6	9	
5	Basic Electrical Engineering	Ms. J. S. Kulkarni	COMP-A COMP-B	CO1, CO2, CO3, C04, CO5, CO6	6	12	18	27
		Ms. V. V. Deokate	AIDS-A AIDS-B	AI1, AI2, AI3, AI4, AI5, AI6	6	12	18	
6	Engineering Mechanics	Mr. Y. H. Tambe	ME	ME1, ME2, ME3	3	6	9	18
			CE	CE1, CE2, CE3	3	6	9	
7	Engineering Graphics	Mr. V. B. Bhagwat	COMP-A COMP-B	CO1, CO2, CO3, C04, CO5, CO6	2	12	14	35
		Mr. P. V. Dhandore	AIDS-B	AI4, AI5, AI6	1	6	7	
		K. M. Jadhav	AIDS-A	AI1, AI2, AI3	1	6	7	

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		Dr. V. C. Todkari	IT	IT1, IT2, IT3	1	6	7	
8	Programming and Problem Solving	Mr. S. N. Dhage	ET	ET1, ET2, ET3	3	6	9	36
		Ms. N. P. Shah	EL	EL1, EL2, EL3	3	6	9	
		Mr. S. N. Dhage	ME	ME1, ME2, ME3	3	6	9	
		Mr. S. N. Dhage	CE	CE1, CE2, CE3	3	6	9	
9	Computer Proficiency	Ms. D. V. Mehta	ET	ET1, ET2, ET3	1	6	7	28
		Ms. H. K. Jadhav	EL	EL1, EL2, EL3, CE2	1	8	9	
		Ms. D. V. Mehta	ME	ME1, ME2, ME3	1	6	7	
		Ms. K. S. Gaikwad	CE	CE1, CE3	1	4	5	
10	Workshop	Ms. A. J. Sonawane	COMP-A	CO1, CO2, CO3	1	6	7	35
		Ms. A. J. Sonawane	COMP-B	C04, CO5, CO6	1	6	7	
		Ms. H. K. Jadhav	AIDS-A	AI1, AI2, AI3	1	6	7	
		Ms. R. L. Ghule	AIDS-B	AI4, AI5, AI6	1	6	7	
		Ms. D. V. Mehta	IT	IT1, IT2, IT3	1	6	7	
11	Program Core Course	Ms. A. J. Sonawane	COMP-A	----	2	0	2	10
		Ms. A. J. Sonawane	COMP-B	----	2	0	2	
		Ms. H. K. Jadhav	AIDS-A	----	2	0	2	
		Ms. R. L. Ghule	AIDS-B	----	2	0	2	
		Mr. K. S. Bhagwat	IT	----	2	0	2	
12	Indian Knowledge System	Ms. K. A. Kulkarni	COMP-A, B AIDS-A, B IT	----	10	0	10	10
13	Communication & Professional Skills	Mr. M. B. Patole	ET, EL, ME, CE	----	8	0	8	8
14	Physical Education	Mr. S. V. Jankar/ Dr. B. V. Patil	ALL	----	18	0	18	18

• Mechanical Engineering : Semester-1 :Academic Year 2023-24

Sr. no	Name of Teacher	Details of teaching load hours per week							Total hours per week
		Theory load			Practical/tutorial load			Seminar/project Load	
		Subject	Classes	Load	Subject	Classes	Load		
1	Dr. P. R. Chitragar	HMT	TE	3	HMT	TE	8	--	11
2	Dr. S. M. Bhosle	EMM	SE	3	EMM	SE	8	--	11

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3	Dr. M. S. Lande	ELECTIVE-III (IE)	BE	3	DM	TE	8	--	11
4	Dr. V. B. Gawande	EGRM	FE ME	1 3	EG NS&M	FE TE	6 4	--	14
5	Dr. V. C. Todkari	EGRCS	FE ME	1 3	EG LP	FE ME	6 4	--	14
6	Dr. A. H. Kolekar	ATAC	SE TE	3 1	AT	SE	8	--	12
7	Mr. S. V. Shelge	SMD	SE	3	SMD EEE	SE SE	8 4	--	15
8	Mr. V. B. Bhagwat	EG W/S	FE FE	1 1	EG W/S	FE FE	6 6	--	14
9	Mrs. P. D. Kale	DOM AC	BE BE	3 1	DOM EEE	BE SE	8 4	--	16
10	Mr. D. D. Rupnawar	MTX	TE	3	MTX DA LAB	TE BE	8 8	--	19
11	Mr. H.P. Borate	SM AC	SE SE	4 1	SM GD&L	SE SE	8 4	--	17
12	Mr. K. M. Jadhav	N&SM HVAC& R	TE BE	3 3	HVAC&R	BE	8		14
13	Ms. M. S. Yadav	EEE TM	SE TE	3 2	TM	TE	8	--	13
14	Mr. S. H. Kumbhar	EG RCP	FE ME	1 3	EG LP	FE ME	6 4	--	14
15	Mr. P. V. Dhandore	EG RBIA	FE ME	1 3	EG GD&TL	FE SE	6 4	--	14
16	Mr.S. C. Mahadik	ELECT-I ELECT- IV (OR)	TE BE	3 3	SD	TE	8	--	14
17	Mr. D. S. Bhosale	BME ELECT-I (CAD CAM)	FE ME	3 4	BME	FE	6	--	13

• Mechanical Engineering : Semester-2 :Academic Year 2022-23

Sr. no.	Name of Teacher	Details of teaching load hours per week						Seminar/project Load	Total hours per week
		Theory load			Practical/tutorial load				
		Subject	Class	Load	Subject	Class	Load		
1	Dr. P. R. Chitragar	EE	BE	3	EE	BE	8		11
2	Dr. S. M. Bhosle	MP	SE	3	MS-I	SE	8		11
3	Dr. M. S. Lande	CIM	BE	3	CIM	BE	8		11
4	Dr. V. B. Gawande	ATD ES	SE ME	3 2	ATD	SE	8		13
5	Dr. V. C. Todkari	EG	FE	1	EG LP-II	FE ME	6 8		15
6	Dr. A. H. Kolekar	ATD ES	SE ME	3 2	ATD	SE	8		13
7	Mr. S. V. Shelge	CAE	TE	3	CAE PBL-II	TE SE	8 4		15
8	Mr. V. B. Bhagwat	EG	FE	2	EG	FE	12		15

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		AC-VI	TE	1					
9	Mrs. P. D. Kale	KOM	SE	3	KOM ML	SE TE	8 4		15
10	Mr. D. D. Rupnawar	ELECT- II RVS	TE ME	3 4	FP&L	TE	8		15
11	Mr. H.P. Borate	DTS	TE	3	DTS ML	TE TE	8 4		15
12	Mr. K. M. Jadhav	EG AC-IV	FE SE	1 1	EG PBL-II	FE SE	6 4		12
13	Ms. M. S. Yadav	FM	SE	3	FM	SE	8		11
14	Mr. S. H. Kumbhar	ELECT- V	BE	3	MSAL	BE	8		11
15	Mr. P. V. Dhandore	EG PE-I	FE ME	1 4	EG	FE	6		11
16	Mr.S. C. Mahadik	ELECT- VI ARKD	BE ME	3 4	PBL-II	ME	8		15
17	Mr. D. S. Bhosale	EM RP	FE ME	3 4	EM	FE	6		13

• **Computer Engineering : Semester-1 :Academic Year 2023-24**

Sr. no.	Name of Teacher	Details of teaching load hours per week							Total hours per week
		Theory load			Practical/tutorial load			Seminar /project Load	
		Subject	Class	Load	Subject	Class	Load		
1	Dr. S.K. Shinde	ML	BE	3	LPIII	BE	8	4	15
2	Dr. Chaitanya S. Kulkarni	STQA	BE	3	DBSL	TE	8		11
3	Mrs. Gyankamal J. Chhajed	TOC OOMD	TE BE	3 3	LP IV	BE	4	4	14
4	Mrs. Sushma S. Nandgaonkar	CNS	TE	3	CNSL BCSL	TE SE	8 4	4	19
5	Mr. Rajaram H. Ambole	DELD	SE	3	DEL HSS	SE SE	8 4		15
6	Mr. Manoj D. Shelar	OOP DBMS	SE TE	3 3	DBSL	TE	8		14
7	Mr. Vyankatesh V. Rampurkar	FDS	SE	3	DSL LP I	SE TE	16 8		27
8	Ms. Trupti V. Bhandare	SPOS DAA	TE BE	3 3	LPIII	BE	8		14

Mandatory Disclosure-2023-24

9	Ms. Swapani Limkar	CG	SE	3	OOPCGL	SE	8		11
10	Mr. Sarika Pawar	BT	BE	3	BCSL OOPCGL	SE SE	4 8		15
11	Ms.Seema Chauhan	DM SPM	SE TE	3 3	LPI	TE	8		14
12	Mr. Shrikant N. Dhage	PPS CP	FY Tech	3 1	PPSL CPL	FY. Tech	6 6		16
13	Ms. Nikita Shah	PPS	FY Tech	3 1	PPSL CPL	FY. Tech	6 6		16

• **Computer Engineering : Semester-2 :Academic Year 2023-24**

Sr. no.	Name of Teacher	Details of teaching load hours per week							Total hours per week
		Theory load			Practical/tutorial load			Seminar /project Load	
		Subject	Class	Load	Subject	Class	Load		
1	Dr. S.K. Shinde	DSBDA	TE	4	DSBDAL	TE	8	2	14
2	Dr. Chaitanya S. Kulkarni	SE	SE	3	PBL COC	SE	4 4	2	13
3	Mrs. Gyankamal J. Chhajed	PPL	SE	3	DSL PBLII	SE	8 2	2	15
4	Mrs. Sushma S. Nandgaonkar	DL	BE	3	LPV PBLII	BE SE	4 4	2	13
5	Mr. Rajaram H. Ambole	IS HPC	TE BE	4 3	LPV	BE	8	2	17
6	Mr. Manoj D. Shelar	WT	TE	4	WTL LPV	TE BE	8 4	2	18
7	Mr. Vyankatesh V. Rampurkar	DSA	SE	3	DSL	SE	8	2	13
8	Ms. Trupti V. Bhandare	PR	BE	3	LPVI PBLII	BE SE	4 6	2	15
9	Ms. Swapani Limkar	MP	SE	3	MPL	SE	8	2	13
10	Mr. Sarika Pawar	AI	TE	4	LP II	TE	8	2	14
11	Ms.Seema Chauhan	NLP	BE	3	LPVI DSBDAL	BE TE	4 8	2	17

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12	Mr. Shrikant N. Dhage	PPS CP	FY Tech	3 1	PPSL CPL	FY. Tech	6 6		16
13	Ms. Nikita Shah	PPS CP	FY Tech	3 1	PPSL CPL	FY. Tech	6 6		16

• Information Technology : Semester-1 :Academic Year 2022-23

Sr . no .	Name of Teacher	Details of teaching load hours per week							Tota l hour s per week
		Theory load			Practical/tutorial load			Seminar/proje ct Load	
		Subjec t	Class	Loa d	Subjec t	Class	Loa d		
1	Dr. S. A. Takale	DL	BE-IT	3	LP-IV	BE-IT	8	4	15
2	Mr.P.M.Patil	ML	TE-IT	3	LP-I	TE-IT	8	4	18
		CV	BE-IT	3					
3	Mr.S.S.Kare	DAA	TE-IT	3	LP-I	TE-IT	8	4	19
		DS(Tut) DS	SE-IT SE-IT	1 3					
4	Mr.K.S.Bhagwat	OOP	SE-IT	3	OOPL	SE-IT	16	4	25
		SPM	BE-IT	2					
5	Ms.Y.N.Sakhare	HCI	TE-IT	3	HCIL	TE-IT	8	4	22
		BCN	SE-IT	3	OSL	TE-IT	4		
6	Ms.P.N.Kokare	OS	TE-IT	3	OSL	TE-IT	12	4	20
		TOC	TE-IT	1					
7	Mr. B. S. Salve	LDCO	SE-IT	3	LDCO L	TE-IT	8	4	22
		MC (ELE- III)	BE-IT	3	LP-III	BE-IT	4		
8	Mr.A.S.Rajpure	TOC	TE-IT	2	LP-III	BE-IT	12	4	21
		ISR	BE-IT	3					
9	Mr.R.V.Panchal	DSA	SE-IT	3	DSAL	SE-IT	16	4	25
		SPM	BE-IT	2					
10	Ms.Devika Mehta	CP	F.Y.BTech	1	CPL	F.Y.BTech	6		16
		PPS	F.Y.BTech	3	PPS Lab	F.Y.BTech	6		

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• Information Technology: Semester-2 :Academic Year 2023-24

Sr. no.	Name of Teacher	Details of teaching load hours per week							Total hours per week
		Theory load			Practical/tutorial load			Seminar/project Load	
		Subject	Class	Load	Subject	Class	Load		
1	Dr. S. A. Takale	AI	TE-IT	3	LP-II	TE-IT	8	4	15
2	Mr.P.M.Patil	DSBDA	TE-IT	3	DSBDAL	TE-IT	8	4	19
					DBMSL	SE-IT	4		
3	Mr. S. S. Kare	CNS	TE-IT	3	CNSL	TE-IT	12	4	27
					Internship	TE-IT	8		
4	Mr.K.S.Bhagwat	PA	SE-IT	3	PSDL	SE-IT	8	4	21
		OOPS	FY.B. Tech	2	LP-V	BE-IT	4		
5	Ms.Y.N.Sakhare	DS	BE-IT	3	LP-V	BE-IT	12	4	22
		SE	SE-IT	3					
6	Ms.P.N.Kokare	DBMS	SE-IT	3	DBMSL PBL	SE-IT SE-IT	12 2	4	28
					LP-VI	BE-IT	8		
7	Mr. A. S. Rajpure	WAD	TE-IT	3	LP-II	TE-IT	8	4	18
		S & E(Tut)	BE-IT	3	CNSL	TE-IT	4		
8	Mr. R.V. Panchal	CG	SE-IT	3	CGL	SE-IT	8	4	22
		NLP	BE-IT	3	PBL	SE-IT	4		
9	Ms. Devika Mehta	OOPS(Workshop)	F.Y.B. Tech	1	OOPL	F.Y.B. Tech	6	4	20
		PPS	F.Y.B. Tech	3	PPS LAB	F.Y.B. Tech	6		

• Electrical Engineering: Semester-1 :Academic Year 2023-24

Sr. no.	Name of Teacher	Details of teaching load hours per week							Total hours per week
		Theory load			Practical/tutorial load			Seminar/project Load	
		Subject	Class	Load	Subject	Class	Load		
1	Mr. Rohit S. Tarade	PSOC	BE	3	PSOC	BE	8		11
2	Mrs. Pooja N. Jaiswal	EM-II	TE	3	EM-II	TE	8		18
		E & HV	BE	3	E & HV	BE	4		
3	Mr. Pavan D. Upadhye	MS	SE	3	MS	SE	16		19
4	Mrs. Shreemanti D. Rokade	PLC & SCADA	BE	3	PLC & SCADA	BE	8		13
		AC-VII	BE	2					
5	Mr. Dipak S. Yeole	EIDCBM	TE	3	EIDCBM	TE	16		19
6	Mrs. Jyoti S. Kulkarni	BEE	FE	6	BEE	FE	12		18
7	Mr. Hafiz M. Shaikh	PGT	SE	3					16

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		ACS	BE	3	ACS	BE	8		
		AC-III	SE	2					
8	Mr. Sandeep D. Shelar	BEE	FE	6	BEE	FE	12		18
9	Mrs. Vaishali V. Deokate								on maternity leave
10	Mr. Shivaji K. Raskar	PE	TE	3	PE	TE	16		19
11	Mr. Ajinkya V. Golande	ADE	SE	3	ADE	SE	8		16
		ITM	TE	3					
		AC-V	TE	2					
12	Mr. Akshay B. Akhade	EMI	SE	3	EMI	SE	16		19

• **Electrical Engineering: Semester-2 :Academic Year 2022-23**

Sr. no.	Name of Teacher	Details of teaching load hours per week							Total hours per week
		Theory load			Practical/tutorial load			Seminar/project Load	
		Subject	Class	Load	Subject	Class	Load		
1	Mr. Rohit S. Tarade								on study leave
2	Mrs. Pooja N. Jaiswal	EM-I	SE	3	EM-I	SE	6		9
3	Mr. Pavan D. Upadhye	NA	SE	3	NA	SE	6		14
		AC-IV	SE	2					
		EM	TE	3					
4	Mrs. Shreemanti D. Rokade	FMA	SE	3	FMA	SE	16		19
5	Mr. Dipak S. Yeole	PS I	SE	3					19
					PBL	SE	8	4	
					CSE	TE	4		
6	Mrs. Jyoti S. Kulkarni	BEE	FE	6	BEE	FE	12		18
7	Mr. Hafiz M. Shaikh	NMCP	SE	3	NMCP	SE	6		19
		CSE	TE	3	CSE	TE	6	1	
8	Mr. Sandeep D. Shelar	CADEM	TE	3	CADEM	TE	8		14
		IEN	BE	3					
9	Mrs. Vaishali V. Deokate	BEE	FE	6	BEE	FE	12		18
10	Mr. Shivaji K. Raskar	PS-II	TE	3	PS-II	TE	6	1	13
		SG	BE	3					
11	Mr. Ajinkya V. Golande	AEDC	BE	3	AEDC	BE	6		15
		AC-VIII	BE	2					
					CADEM	TE	4		
12	Mr. Akshay B. Akhade	SGP	BE	3	SGP	BE	6		15
		AC-VI	TE	2					
					PBL	SE	4		

- Artificial Intelligence and Data Science: Semester-1 :Academic Year 2023-24

Sr. no.	Name of Teacher	Details of teaching load hours per week							Total hours per week
		Theory load			Practical/tutorial load			Seminar /project Load	
		Subject	Class	Load	Subject	Class	Load		
1	Dr. P. M. Paithane	Operating System	SE	3				16	
		Machine Learning	BE	3	Computer Laboratory-I	BE	8		2
2	Mr. D. M. Padulkar	Computer Graphics	SE	3	OOPCGL	SE	4	20	
		Artificial Intelligence	TE	3	Software Laboratory I	TE	8		2
3	Mr. P. P. Ghorpade	Object Oriented Programming	SE	3	OOPCGL	SE	8	20	
		Web Technology	TE	3	Software Laboratory I	TE	4		2
4	Mrs. R. S. Naik	Computer Networks	TE	3	Computer Networks Laboratory	TE	8	20	
		Information Retrieval	BE	3	Computer Laboratory-II	BE	4		2
5	Mr. P. N. Shendage	Database Management Systems	TE	3	Software Laboratory I	TE	4	20	
		Industrial IoT	BE	3	Computer Laboratory-II	BE	8		2
6	Mrs. R. L. Ghule	Fundamentals of Data Structures	SE	3	OOPCGL	SE	4	20	
		Data Visualization and Modelling	BE	3	Computer Laboratory-I	BE	8		2
7	Mrs. A. V. Mane	Design Thinking	TE	3	Design Thinking Lab	TE	8	22	
		Python Programming	TE(Civil)	3	Python Programming Lab	TE	6		2
8	Mrs. K. S. Gaikwad	Discrete Mathematics	SE	3	Data Structure Laboratory	SE	12	21	
					Computer Laboratory-II	BE	4		2
9	Mrs. S. S. Ghadage	Programming and Problem Solving	FY	3	Programming and Problem Solving Lab	FY	6	16	
		Computer Proficiency	FY	1	Computer Proficiency	FY	6		
10	Mrs. H. K. Jadhav	Programming and Problem Solving	FY	3	Programming and Problem Solving Lab	FY	6	16	

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		Computer Proficiency	FY	1	Computer Proficiency	FY	6		
11	Mr. A. B. Patil				Business Communication Skills	SE	8		8
12	Mr. C. Nayak	Environmental Studies	TE	1					1
13	ABC				Operating System Lab/ Data Structures Lab	SE	8+4		21
		Humanities and Social Science	TE	1	MOOC	TE	8		

• Artificial Intelligence and Data Science: Semester-2 :Academic Year 2023-24

Sr . no .	Name of Teacher	Details of teaching load hours per week							Total hours per week
		Theory load			Practical/tutorial load			Seminar/project Load	
		Subject	Class	Load	Subject	Class	Load		
1	Dr. P. M. Paithane	Code of Conduct+Audit Course	SE	1+1	Project Based Learning	SE	4		13
		Big Data Analytics	SE	3				4	
2	Mr. D. M. Padulkar	Data Structures and Algorithms	SE	3					19
		Artificial Neural Network	TE	4	Software Laboratory -II	TE	8	4	
3	Mr. P. P. Ghorpade	Software Engineering	SE	3	Data Structures & Algorithm Laboratory	SE	8		
		Cyber Security	TE	3	Mini Project	TE	4		
4	Mrs. R. S. Naik	Management Information Systems + Data Sciencet	SE ,TE	7	+SI-III+Project	TE	8	2	17
5	Mr. P. N. Shendage	IOT+EL-II	SE,TE	7	IOTL	SE	8	2	17
6	Mrs. R. L. Ghule	Distributed Computing	BE	3	DSAL+SL-III	SE,TE	16		19
7	Mrs. K. S. Gaikwad	Elective VI	BE	3	IOTL+PBL	SE	16		19

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8	Mrs. S. S. Ghadage	Computational Intelligence	BE	3	CL-III,SL-II	TE+BE	16		19
9	Mrs. H. K. Jadhav	Software Engineering	SE	3	PBL+Mini Project	SE,TE	12	4	19

• **Electronics and Telecommunication Engineering: Semester-1 :Academic Year 2023-24**

Sr . no .	Name of Teacher	Details of teaching load hours per week							Total hours per week
		Theory load			Practical/tutorial load			Seminar/project Load	
		Subject	Class	Load	Subject	Class	Load		
1	Dr.Lande S. B.	Digital Communication	TE	3	Digital Communication	TE	8	4	15
2	Dr.Shastri R.K.	VLSI Design and Technology	BE	3	VLSI Design and Technology	BE	8	4	15
3	Dr.Patil B.H.	Radiation & Microwave Theory	BE	3	Radiation & Microwave Theory &	BE	8	4	18
					Digital Circuit	SE	3		
4	Dr.Rangole J.S.	Electrical Circuits	SE	3	Electrical Circuits	SE	8	4	19
					Microcontroller	TE	4		
5	Deshmukh V.U	Electronic circuits	S.E.	3	Electronic circuits	S.E.	8	4	22

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		Microcontroller	TE	3	Microcontroller	TE	4		
6	Surwase V.S.	Basic Electronics Engineering	FY.B.Tech	6	Basic Electronics Engineering	FY.B.Tech	14	4	24
7	Biradar S.D.				Electronic Skill Development	S.E.	4	4	22
		Electronics Product Design (Eelective-4)	B.E.	3					
		Elective - 3 Modernized IoT	B.E.	3	Elective - 3 Modernized IoT	B.E.	8		
8	Jadhav M.M.	Electromagnetic Field theory	TE	3	Electromagnetic Field theory	TE	4	4	24
		Basic Electronics Engineering	FY.B.Tech	3	Basic Electronics Engineering	FY.B.Tech	10		
9	Piske R.S.	Cloud Computing	BE	3	Cloud Computing	BE	8	4	23

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					Skill Development	TE	4		
					Digital Circuit	SE	4		
10	Snehal Sable	Database Management	TE	3				4	22
					Digital Circuit	SE	4		
		Data Structures	SE	3	Data Structures	SE	8		
11	Mayur Gawade	Elective - 1 Fundamentals of JAVA programming	TE	3	Elective - 1 Fundamentals of JAVA programming	TE	8	4	24
		Core (Integrated Circuits)	FY BTECH	2					
		Workshop	FY BTECH	1	Workshop	FY BTECH	6		
12	Kate Manali	Basic Electronics Engineering	FY BTECH	3				4	23
					Databas e	TE	8		

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				Management				
				Skill Development	TE	4		
				Electronic Skill Development	SE	4		

• **Electronics and Telecommunication Engineering: Semester-2 :Academic Year 2023-24**

Sr. No	Name of Teacher	Details of the teaching Load hrs./Week							Total Load Hrs./Wk
		Theory			Practical/Tutorial			Project and Seminar	
		Subject	Class	Load	Subject	Class-Batch	Load	Load	
1	Dr. S.B. Lande	CN	TE	3	CN	TE	8	4	15
2	Dr.R.K. Shastri	RS	BE	3	PBL	SE	8	4	15
3	Mr. Deshmukh V.U.	CS	SE	3	CS IE	SE BE	8 8	4	23
4	Dr. Patil B.H.	PCS	SE	3	PCS	SE	8	4	15
5	Dr.Rangole J.S.	SS	SE	3	MP SS	TE SE	8 4	4	19
6	Mrs.Surwase V.S.	BXE	FE	6	BXE	FE	12	4	22
9	Mr. Biradar S.D.	E-5(BMS)	BE	3	E-5 PBL	BE SE	8 4	4	19
10	Mr.Jadhav M.M.	BXE	FE	3	BXE PBL MP	FE SE TE	6 4 4	4	21
11	Mr. Gawade M. S	E-2(AJP)	TE	3	E-2(AJP) DBM	TE BE	8 6	4	21
12	Mr. Piske R.S.	PM FOC	TE BE	3 3	FOC DBM	BE BE	8 2	4	20

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13	Kate M.R.	PDC	TE	3	PDC DAL	TE SE	8 8	4	23
14	Sabale S.R.	OOP	SE	3	OOP MP	SE TE	8 6	4	21
15	Dr. A.B. Patil	ESD	SE	2	ESD	SE	8		10

• **Civil Engineering: Semister-1 :Academic Year 2023-24**

Sr no	Name of Teacher	Details of teaching load hours per week							Total hours per week
		Theory load			Practical/tutorial load			Seminar/proje ct Load	
		Subject	Class	Loa d	Subject	Class	Loa d		
1	Dr. Giridhar G. Narule	Elect.-I ACT	TE	3	Elect.-I Adv. Concrete technolog y	TE	6	15	
			BE		Project -I				2
		Lab practice -I	ME-I	4					
2	Dr. Chittaranjan B. Nayak	APCE	BE	1	APCE	BE	8	19	
		EVS	TE(AIDS)	2					
					Project -I	BE			4
		NMSE	ME-I	4					
3	Dr. Samadhan G. Morkhade	DSS	TE	3	DSS	TE	16	25	
					Project -I	BE			2
		ADSS	ME-I	4					
4	Dr. Ravindra J. Patil	BTAP	FY	1				14	
		WSE	TE	3	WSE	TE	8		
					Project -I	BE			2
5	Dr.N.T. Suryawanshi	EEFM	TE	3				18	
		Elect.- IWRPM	BE	3	IWRPM	BE	6		

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					Project -I	BE		2	
						Seminar	ME-II	4	
6	Dr.Y.H.Tambe	BCE	FY	3	BCE	FY	6		18
		workshop	FY	1	workshop	FY	6		
					Project -I	BE		2	
7	Mr. Dilip G. Patil	Elect. ABE	BE	3	Elect. ABE	BE	8		19
		Audit course	BE	1					
					Project -I	BE		2	
		Elect-III	ME-II	1					
		RS of RCC	ME-II	4					
8	Ms. Snehal B. Walke	BTAP	SE	3	BTAP	SE	16		26
					Project -I	BE		2	
		Elect.-I Green bldg.	ME-I	1					
		SD	ME-I	4					
9	Mr. Umesh T. Jagdale	MOS	SE	3	MOS	SE	16		18
					Project -I	BE		2	
10	Ms. Jyoti C. Bhong	EG	SE	3	EG	SE	8		18
		Audit course	SE	1					
		DOF	ME-I	4					
					Project -I	BE		2	
11	Mr. Dhiraj D. Ahiwale	TRE	BE	3	TRE	BE	8		18
					Seminar	TE		1	
					Project -I	BE		2	

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		ADERS	ME-II	4					
12	Mr. Rushikesh R. Khartode	Elect-I CM	TE	3	Elect-I CM	TE	2		19
					Project -I	BE		2	
		RM	ME-II	4					
					Project	ME-II		8	
13	Mr. Abhijeet M. Gaikwad	BTAP	FY	1					18
		HWRE	TE	3	HWRE	TE	8		
					Project -I	BE		2	
		TE&P	ME-I	4					
14	Ms. Pallavi A. Bokey	FM	SE	3	FM	SE	8		17
		FE	BE	3					
		Audit course	TE	1					
					Project -I	BE		2	
15	Ms S.A Thube	EM-III	SE	3	EM-III	SE	1		4

• **Civil Engineering: Semester-2 :Academic Year 2023-24**

Sr . no .	Name of Teacher	Details of teaching load hours per week							Total hours per week
		Theory load			Practical/tutorial load			Seminar/project Load	
		Subject	Class	Load	Subject	Class	Load		
1	Dr. Giridhar G. Narule	DRCS	TE	3	DRCS	TE	12		17
			ME-II					2	
2	Dr. Chittaranjan B. Nayak	QSCT	BE	3	QSCT	BE	8		13
			ME-II					2	
3		SA	SE	3	SA	SE	1		15

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	Dr.Samadha n G. Morkhade	ADCS	FY MTech -II	4					7
			ME-II						
4	Dr. Ravindra J. Patil	WWE	TE	3	WWE	TE	8		20
		Elect-II SWM	TE	3	Elect-II SWM	TE	4		
					Project -II	BE		2	
5	Dr. Nagesh T.Suryawanshi	PM, Audit Course-II	SE	2					17
		Elect -V Irrig. & drain.	BE	3	Elect -V Irrig. & drain.	BE	4		
		EVS	FY MTech	4					
					Project-II	ME		4	
6	Dr. Yogesh H.Tambe	Engg. Mechanics	FY B Tech	6	Engg. Mechanics	FY B Tech	12		18
7	Mr. Dilip G. Patil	Elec-II: ATP	TY	3	Elec-II: ATP	TY	4		12
		Elec.-VI RWSS	BE	3					
					Project-II	BE		2	
8	Ms. Snehal B. Walke	PM	SE	2					15
					DRCS	TE	4		
		Elect-V EE	BE	3	Elect-V EE	BE	4		
					Project	ME-II		2	
9	Mr. Umesh T. Jagdale	Elec-VI GSSC	BE	3					19
		PE-I RSRCS	FY MTech	4					
					Lab Proficiency-II	FY MTech	8		
					Project-II	BE		4	
10	Ms. Jyoti C. Bhong	Geotech.En gg	SE	3	Geotech.En gg	SE	8		19
					PBL	SE	4		

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					Internship	TE	2		
					Project-II	BE		2	
11	Mr. Dhiraj D. Ahiwale	Survey	SE	3	Survey	SE	8		17
		FEM	FY MTech	4					
					Project	ME-II		2	
12	Mr. Rushikesh R. Khartode	CT	SE	3	CT	SE	8		17
		TPS	FY MTech	4					
					Project	ME-II		2	
13	Mr. Abhjeet M. Gaikwad	Audit Course	TE	1					15
		DHS	BE	3	DHS	BE	8		
		Audit Course	BE	1					
					Project	ME-II		2	
14	Ms.Pallavi A. Bokey				Survey	SE	8		21
		RSGIS	TE	3	RSGIS	TE	8		
					Project	ME-II		2	

Post Graduate Courses

- **Title of Course: Artificial intelligence and Data Science**
- **Laboratory of Post Graduate**

Computer Engineering

Name of Post graduate course	Name of Laboratory	Major Equipment in the Lab
Artificial Intelligence and Data Science	PG LAB	1. DELL OPTIPLEX 390 DT 10Q 2. Projector 4000 LUMENS xga

Name of Post graduate course	Name of Laboratory	Name of Experimental setup in the Laboratory
Artificial Intelligence and Data Science	PG LAB	Anaconda Pycharm Visual Studio

Mechanical Engineering

Name of Post graduate course	Name of Laboratory	Major Equipment in the Lab
ROBOTICS & AUTOMATION	ROBOTICS LAB	Industrial Robocell-6 axes Articulated Handling cell, IIOT Based Smart Factory with 6 axes Articulated Robot, SCARA Robot Training Cell

Name of Post graduate course	Name of Laboratory	Name of Experimental setup in the Laboratory
ROBOTICS & AUTOMATION	ROBOTICS LAB	<ol style="list-style-type: none"> 1. Study of control system components 2. An experiment on speed control on stepper motor 3. An experiment level control system 4. An experiment ON/OFF temperature control 5. An experiment on various models of control I. P, P + I, P + D, P + I + D 6. Obtain frequency response of a given system by using various methods: (a) General method of finding the frequency domain specifications. (b) Polar plot (c) Bode plot Also obtain the Gain margin and Phase margin

18.16 Enrollment and placement of students in the last 3 year

S. No.	Name of Branch	Fourth year Enrollment			Placement		
		2023-24	2022-23	2021-22	2023-24	2022-23	2021-22
1	Civil Engineering	70	93	72	0	19	20
2	Mechanical Engineering	76	94	65	0	25	45
3	Electrical Engineering	76	90	70	6	29	38
4	E&TC Engineering	71	120	96	3	37	57
5	Computer Engineering	78	84	68	10	41	59
6	Information Technology	77	83	74	03	26	55
7	AI &DS	77	NA	NA	04	NA	NA
Total:		525	564	445	26(till date)	177	274

18.17 List of Research Projects/consultancy

Number of projects carried out ,funding agency and grant received

Grant received in Academic year 2021-22

Research Project Title	Department	Faculty Investigator	Duration	Funding Agency	Amount (Rs.)
Automatic Sugercane Cutter with Bud Detection	Electronics and Telecommunication Engineering	Dr. Sudhir Lande	2021-22	Ministry of Education ,Innovation Cell	2,1500(Rs)
SIMIO License worth of \$48000 from Simio LLC(R) Sewickley,	Electronics and Telecommunication Engineering	Dr. Sudhir Lande, Dr. V.J. Nagalkar, Mrs. Sonal Nikam	2021-22	Simio LLC(R) Sewickley, Pennsylvania, USA	48000(\$)

Grant received in Academic year 2020-21

Research Project Title	Department	Faculty Investigator	Project Duration	Funding Agency	Amount (Rs.)
Optimization of location for the clean air equipment to maximize the benefits	Mechanical Engineering	Dr. Avinash Kolekar	2019-20	Cummins India Ltd. Pune	Rs. 3,90,000

Grant Received under BCUD Sponsored Research Projects: 2016-2018

Research Project Title	Department	Faculty Investigator`	Project Duration	Funding Agency	Grant Received Amount (Rs.)
EEG based Emotion Recognition	Electronics and Telecom. Engg.	Mr. P. N. Arotale Mr. Premanand Kadbe (Co-Investigator)	2016-18	BCUD, SPPU, Pune	Rs.1,10,000
A Pipeline VLSI architecture for 2-D DWT	Electronics and Telecom. Engg.	Mr. Balasaheb Patil Mr. Premanand Kadbe (Co-Investigator)	2016-18	BCUD, SPPU, Pune	1,70,000
Side Scan SONAR Image Analysis: An Application to	Electronics and Telecom. Engg.	Mrs. Jyoti Rangole	2016-18	BCUD, SPPU, Pune	1,40,000
Finding Heart Rate, Heart rate variability , Respiration Rate and Oxygen Saturation Level From Video Recording by	Computer Engineering	Mrs. G. J. Chhajed	2016-18	BCUD, SPPU, Pune	72,000

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Laptop or Smartphone					
Credit Card Fraud Detection using data mining tech	Information Technology	Mr. Dinesh Zende	2016-18	BCUD, SPPU, Pune	Rs.63,000

Grant received from BCUD Academic year 2014-16

Research Project Title	Department	Faculty Investigator	Project Duration	Funding Agency	Grant Received Amount
Investigation of Nonlinear Effects (Optical Solutions) in Fiber Optic Communication and It's Applications	Electronics and Telecom. Engg.	Mr. Vikas Deshmukh	2014-16	BCUD, SPPU, Pune	Rs.1,90,000
Peak Power to Average Power Reduction of OFDM System Using Modified Selective Mapping Technique	Electronics and Telecom. Engg.	D. T. Kushnure	2014-16	BCUD, SPPU, Pune	1,70,000
Ambient Noise, Characterization in Shallow Depths for Tropical Water of The Indian Ocean Region	Electronics and Telecom. Engg.	S. S. Jagdale	2014-16	BCUD, SPPU, Pune	1,90,000
High speed network intrusion system using stride finite Automata	Computer Engineering	R. H. Ambole	2014-16	BCUD, SPPU, Pune	50,000
Discrimination detection using association rule mining	Computer Engg.	S. S. Nandgaonkar	2014-16	BCUD, SPPU, Pune	Rs.70,000
Detection of Adware using Data Mining and Machine Learning Techniques.	Computer Engg.	M. D. Shelar	2014-16	BCUD, SPPU, Pune	Rs.50,000
Electricity Transformer Lifetime Estimation	Computer Engg.		2014-16	BCUD, SPPU, Pune	Rs.80,000

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using Association Rule Mining		P. M. Padulkar			
Inpainting of Digitized Vintage Films via Maintaining Spatiotemporal Continuity	Information Technology	S. A. Shinde	2014-16	BCUD, SPPU, Pune	Rs.70,000
Novel Method for movie character identification based on graph matching	Computer Engg.	R. V. Panchal	2014-16	BCUD, SPPU, Pune	Rs.70,000
IRIS Recognition system in less constrained Environment	Information Technology	P. M. Patil	2014-16	BCUD, SPPU, Pune	Rs.1,20,000
Characterization and comparison of solar selective coatings between Ni-Al and NI-CO on Al substrate	Mechanical Engineering	V. B. Bhagwat	2014-16	BCUD, SPPU, Pune	Rs.85,000
ECG Signal Classification to examine brain activity.	Electronics and Telecom. Engg.	Mr. Shashank Biradar	2014-16	BCUD, SPPU, Pune	Rs.1,80,000

Grant Received under BCUD sponsorship Research Project: 2013-15

Research Project Title	Department	Faculty Investigator	Project Duration	Funding Agency	Amount (Rs.)
Experimental investigation and analysis recast layer formation in wire electro discharge machining process.	Mechanical Engg.	Dr. S. M. Bhosle & S. V. Shelge	2013-15	BCUD, SPPU, Pune	2,15,000
Design of C-slot Microstrip Patch Antenna for Wi-Max Application.	Electronics and Telecom. Engg.	Mr. Madan Jadhav	2013-15	BCUD, SPPU, Pune	2,00,000

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Detection of spyware using data mining and machine learning techniques Duration	Information Technology	Mr. Dinesh Zende	2013-15	BCUD, SPPU, Pune	70,000
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Grant Received under BCUD sponsorship Research Project: 2012-14

Research Project Title	Department	Faculty Investigator	Project Duration	Funding Agency	Amount (Rs.)
Spectroscopic Study of Medicinal and Edible Mushrooms for Development of Optical Sensors for Industrial and Agriculture Applications	General Science	Dr..Anil Disale	2012-14	BCUD, SPPU, Pune	90,000
Better Network Security Using Generalized Hill Cipher Algorithm	General Science	Dr..Anil Hiwarekar and Dr. Anil Disale	2012-14	BCUD, SPPU, Pune	1,25,000

Grant Received from AICTE MODROB project: 2012-13

Project Title	Department	Faculty Investigator	Project Duration	Funding Agency	Amount (Rs.)
Modernization of Microwave Laboratory	Electronics and Telecom. Engg.	Dr. S. B. Deosarkar	2012-13	AICTE	Rs. 19,71,950
Non-Destructive Testing of existing structure and rehabilitation	Civil Engineering	Prof. G. N. Narule	2012-13	AICTE	Rs. 6,00,000

Grant Received in Academic Year 2023-24

Sr. No.	Name of Project Title	Name of Faculty Investigator	Name of Funding Agency	Duration project	Grant Received amount(in RS)
1	IOT based Healthcare monitoring System	S.D.Biradar	VPKBIET	12 Months	100000
2	Non - Invasive Human Vein Detector	S.D. Biradar	VPKBIET	12 Months	100000

Grant received for seminar and Workshop : 2022-23

Title of Seminar/workshop	Department	Invigilator	Funding amount
Entrepreneurship Ethics	Electrical Engineering	Mr.Deepak Yeole and Ms.Vaishali Burungale	Rs. 4000
Professional Ethics and Personality Development	Electrical Engineering	Ms.Jyoti Kulkarni	Rs. 3000
Mental Health and Power Breathing Techniques	Electrical Engineering	Ms. Pooja Jaiswal	Rs. 2000
Color Psychology	Civil Engineering	Ms. Pallavi Boke	Rs. 2000

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Water Conservation	Civil Engineering	Ms. Snehal Deshmukh	Rs. 3000
IoT	Computer Engineering	Mr.Pankaj Ambole	Rs. 3000
Scientific Communication	Mechanical Engineering	Dr. S. M.Bhosle	Rs. 2000
Sustainability and Rural Development	Mechanical Engineering	Dr.A.H.Kolekar	Rs. 3000
Laws and Policies for students	Mechanical Engineering	Dr.P.R.Chitrgar	Rs. 3000
Nirbhay Kanya	Mechanical Engineering / FE	Mr.H.P.Borate and Dr.Anil Disale	Rs. 5000
Total			Rs. 30000/-

Grant received for Seminar and Workshop (2019-20)

Title of Seminar/Workshop	Department	Investigator	Funding Agency	Funding Amount
For organization of Symposium/Workshop on "Damage detection and characterization strategy of non-engineering structures using PZT sensor : Theory and Practice" under Assistance to Professional Bodies & Seminar / Symposia Scheme (SERB- DST).	Civil Engineering	Dr. C. B. Nayak	DST-SERB	Rs.75,000/-
National level Seminar / Workshop on Damage detection strategy of structures using smart materials:Theory and Practice.	Civil Engineering	Dr. C. B. Nayak	QIP, SPPU, Pune	Rs.75,500/-
Faculty Development Program on "Deployment of Internet of Things"	Electronics and Telecom. Engg.	Dr. S. B. Lande	Electronics & ICT Academy,PDPM IITDM, Jabalpur	Rs.1,75,500/-

Grant received for Seminar and Workshop under BCUD SPPU (2017-18)

Title of Seminar/Workshop	Department	Investigator	Funding Amount
National Level Workshop - Steel Design Bridging the Gaps: Theory and Practice.	Civil Engineering	Dr. Sharad Ghodke	Rs. 88,400/-
State Level Workshop - Application of Power Electronics to Power Systems.	Electrical Engineering	Dr. Mohan Thakre	Rs. 44,000/-

Grant received for Seminar and Workshop under BCUD SPPU (2013-16)

Title of Seminar/Workshop	Department	Investigator	Funding Amount
Faculty Development Program	Info. Technology	Mr. D. A. Zende	Rs. 1,50,000/-
State Level Seminar.	Computer Engineering	Mrs. Sushma Nandgaonkar	Rs. 59,500/-
State Level Workshop on "Critical Issues in Nuclear Technology"	Mechanical Engineering	Mr. Kolekar A. H. Mr. Jadhav K. M.	Rs. 1,00,000/-
Faculty Development Program	Computer Engineering	Mr. D. B. Hanchate	Rs. 25,000/-

Travel Grant Received:

Name of Faculty	Department	Title of Conference	Funding Agency	Funding Amount
2018-19				
Mr. U. T.Jagdale	Civil Engineering	9th International Conference on Structural Engineering and Construction Management 2018, Kandy Srilanka	SPPU, Pune	60,000/-
Dr. S. G.Morkhade	Civil Engineering	Structural Engineering Convention (SEC-18), 2018, Jadavpur University Kolkata	SPPU, Pune	15,000/-
2017-18				
Dr. C. B. Nayak	Civil Engineering	8th International Conference on Structural Engineering and Construction Management 2017, Kandy Srilanka	SPPU, Pune	25,000/-
2015-16				
Dr. Sheetal Takale	Information Technology	16th International Conference on Web Information System Engineering, WISE-2015, Miami, Florida, USA	SPPU, Pune	1,50,000/-
			Centre for International Co-operation in Science(CICS), jointly sponsored by CSIR	25,000/-
2013-14				
Dr. Rajveer Shastri	Electronics & Telecomm. Engg.	OCEANS'13, MTS/IEEE San Diego conference 23-26 Sept. 2013	SPPU, Pune	1,35,000/-

List of Research project submitted to National Agency(2022-23)

Research Project Title	Department	Faculty Investigator	Duration	Funding Agency	Amount (Rs.)
Design and development of deep convolutional neural network for identification of haploid and diploid maze seeds	Computer Engineering	Dr. Pradeep Paithane	2 years	Department of Biotechnology	25.5
Development of Design Guidelines for Castellated and Angelina Steel Beams.	Civil Engineering	Dr. Morkhade Samadhan Ganpat	3 years	SERB	12.5
AI-based UAV for Selective Pesticide Sprinkling	E&TC Engineering	Dr. Shrikrishna Kolhar	2 years	Department of Biotechnology	10.24
IoT-Based Virtual Reality (VR) Tool for Real Time Assessment of Thermohydraulic Performance of Roughened Solar Air Heater	Mechanical Engineering	Dr. Gawande Vipin Bhaskarrao	3 years	SERB	8.2

List Research project submitted to National agency and BCUD (2021-22)

Research Project Title	Department	Faculty Investigator	Duration	Funding Agency	Amount
SPICES	Mechanical Engineering	H.P.Borate, Dr.V.B.Gawande	1 year	AICTE	100000
SERB-TARE	Civil Engineering	Dr.S.G.Morkhade	3 years	SERB-DST	900000
Quantification and Identification of Brain Diseases using Artificial Intelligence	E&TC	Dr. V.J. Nagalkar	3 years	SERB_DST	3411520
Development of Deep Learning Framework for Automatic Liver and Tumor Segmentation in Computed Tomography Images",	E&TC	D.T. Krushunure	3 yeras	ASPIRE_SPPU	194000
Modernization of communication laboratory for advanced test and measument	E&TC	Dr. S.B. Lande and S.S. Jagdale	3 yers	CSR	
Enhancement of Education for Rural Students	E&TC	Dr. R.S. Bichkar and Dr. R.K. Shastri	3years	CSR	
INDUSTRY 4.0: The industrial internet of things (IIOT)	E&TC	Mrs. V.S. Surwase		SERB	
SmartBook Reader for Visually Impaired Peoples using OCR and Raspberry Pi	E&TC	Dr. B.H. Patil	2 years	BCUD	

List of research Proposal submitted to RGSTC Mumbai(2019-20)

Sr. No.	Name of Proposal	Department	Name of Investigator	Amount in Rs
1	Setting up Technology Incubation Center at VPKBIET Baramati.	Mechanical Engg.	Dr. Sachin M.Bhosle	78 Lakh
2.	IOT based Technology Awareness for School children in Rural Areas around 50 Kms from Baramati.	Mechanical Engg.	Dr. Sachin M.Bhosle	30 Lakh
3.	Study of Microbially induced Corrosion of Stainless Steel and Release of Metal Ions in Dairy Industry.	Mechanical Engg. & Civil Engg.	Dr. Shirish C. Bali Dr. Ravindra J. Patil	24.15 Lakh
4.	Effect of Water Soluble Cutting Oil Fluids on Corrosion Behavior of Ductile Cast Iron.	Mechanical Engg. & Civil Engg.	Dr. Shirish C. Bali Dr. Ravindra J. Patil	16.55 Lakh

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5.	Solar energy driven pesticide flow repellent helmet for farmers.	Mechanical Engg.	Dr. Vipin B. Gawande	05 Lakh
6.	Production of Construction Bricks from Agriculture Waste and unused Plastic.	Mechanical Engg.	Dr. Vipin B. Gawande	05 Lakh
7.	Hands on Training Program on '3D Modeling' for Skill Development of Students From Rural Areas.	Mechanical Engg.	Mr. Akshay A. Bhapkar	1.1 Lakh
8.	Awareness And Hands On Training On 3D Printing For Skill Development Of Junior College Students From Rural Areas.	Mechanical Engg.	Mr. Prasad U. Galande	4.75 Lakh
9.	Design And Development of Seed & Crop Transplanter.	Mechanical Engg.	Mr. Hanumant P. Borate	1.5 Lakh
10.	Empowerment of SC and ST Women by goat farming.	Mechanical Engg.	Mr. Pravin V. Dhandore	5.0 Lakh
11.	Design And Development of Decorticator For Fiber Extraction From Pseudostem.	Mechanical Engg.	Mr. Keshav M. Jadhav	5.0 Lakh
12.	Designing a system for conduction of real time experiments through IoT.	Mechanical Engg.	Ms. Mona S. Yadav	20 Lakh
13.	Air monitoring for reducing pollution by analyzing emission absorption through various plant.	Mechanical Engg.	Mr. Kehav M. Jadhav Ms. Mona S. Yadav	15 Lakh
14.	Design and Development of Scythe	Mechanical Engg.	Mr. Shrinivas V. Shelge	1.0 Lakh
15.	Eco-friendly Semi-Automatic Spray Pumps.	Mechanical Engg.	Mrs. Prachi D. Kale	1.0 Lakh
16.	Sustainable Solution to Use Irregular Shaped Agriculture Residues for Vermicomposting and Fuel Pellets.	Mechanical Engg.	Mr. Machindra S. Gaikwad	6.75 Lakh
17.	Experimental Investigation on Composited Feedstock Derived From Sugarcane and Cow Dung/ Biogas Digester-Residues for Downdraft Gasifier.	Mechanical Engg.	Mr. Avinash H. Kolekar Mr. Machindra S. Gaikwad	11 Lakh
18.	Skill development training in rural area for self-employability through prototyping and application buildings.	Mechanical Engg.	Mr. Vishal B. Bhagwat Dr. Sachin M. Bhosle	2.5 Lakh
19.	Formulation, Development and Evaluation of Strengthening Strategy for Damaged RC Columns of Different Lengths in Structure using Fibre Reinforced polymer Composites.	Civil Engg.	Dr. Giridhar N. Narule	20 Lakh
20.	Development of Design Guidelines for Castellated Steel Beams (CSB).	Civil Engg.	Dr. Samadhan G. Morkhade	9.7 Lakh
21.	Applications Of Smart Materials And Equipments for Life Assessment And Structural Health Monitoring Of Existing Structures.	Civil Engg.	Dr. Chitranjan B. Nayak	20 Lakh
22.	Control of corrosion in agricultural equipments using aluminium coating.	Civil Engg.	Dr. Ravindra J. Patil Dr. Shirish C. Bali	17.10 lakh
23.	Propagation of Agro-Tourism Activity Among Farmers To Have More Income Sources And To Have Economic Development Of A Region.	Civil Engg.	Mr. Dilip G. Patil	4.5 Lakh
24.	Water Quality Assessment of Nira River.	Civil Engg.	Ms. Snehal R. Deshmukh	5.5 Lakh

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25.	Experimental Study on Stabilization of Black Cotton Soil with Fly Ash, Molasses and Terra-Zyme.	Civil Engg.	Ms. Jyoti C. Bhong	40,000/-
26.	Ground Water Recharging system through water from thin air.	Civil Engg.	Ms. Pallavi A. Bokey	5.0 Lakh
27.	Effect of elevated temperature on high strength concrete manufactured by using Fly ash and red mud.	Civil Engg.	Mr. Kaustubh V. Raut	2.5 lakh
28.	Design of Sewerage System For Lakadi Village, Baramati	Civil Engg.	Mr. Dhiraj D. Ahiwale	13.0 lakh
29.	Light transmitting concrete: An Innovation towards the save of Environmental squalor.	Civil Engg.	Mr. Umesh T. Jagdale	5.0 lakh
30.	Smart Parking System: A Deep Learning Approach.	IT	Mr. Dinesh A. Zende	5 Lakh
31.	IOT and Machine Learning Based Smart Monitoring System for Sugarcane Crop Growth.	IT	Mr. Avinash Kokare Mrs. Komal Jadhav	1.57 lakh
32.	Face Spoofing Detection in Face Recognition.	IT	Mr. Santosh Shinde Mr. Keshav Bhagwat	80,000/-
33.	To Develop and Implement Face, Finger and Eye Expression based System for Public Voting Through IOT. D	Computer Engg.	r. Chaitanya Kulkarni	1.0 Lakh
34.	To design and implement Public Safety, Transportation & Consumer Services through IoT based system.	Computer Engg.	Dr. Chaitanya Kulkarni	52.500/-
35.	Grapes Disease Detection with CNN in Deep Learning.	Computer Engg.	Mr. Digambar M. Padulkar	20.0 Lakh
36.	Eleptic Curve Cryptography System with Blockchain for Agriculture Supply Chain Management.	Computer Engg.	Mr. Digambar M. Padulkar	25.0 Lakh
37.	Development of Portable Milk Flow cum Analyzer Meter for Small Dairy Farms.	E & TC Engg.	Dr. Rajveer K. Shastri	7.5 Lakh
38.	New Approach Towards Sustainable Development for Composting of Domestic Organic Garbage by using Microbes.	General Science	Dr. Nitin A. Jadhav	15.0 Lakh
			Total Amount:-	4,73,09500

Consultancy(2023-24)

Company Name	Company Sector	Incorporation Status	Type of Consultancy /Service	Title of Consultancy /Service	Faculty First Name	Discipline	Fee Received From Industry (in Rs)
M/S. Vipul Vanzare Line Contractor	Construction	Private	Consultancy and Advisory Service	Concrete Cube Testing	Mr.U.T. Jagdale	Civil Engg.	600

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Saswad Nagar-Parishad	Other	Government	Consultancy and Advisory Service	Water Audit	Dr.G. N. Narule	Civil Engg.	12500
M/S. Deepak B. Kate Line Contractor	Construction	Private	Consultancy and Advisory Service	Concrete Cube Testing	Mr.U.T. Jagdale	Civil Engg.	600
Deepak B. Kate Line Contractor	Construction	Private	Consultancy and Advisory Service	Concrete Cube Testing	Mr.U.T. Jagdale	Civil Engg.	600
Dattakala Group of Institutions	Other	Private	Consultancy and Advisory Service	Conduction of Practical	Ms. Mona S. Yadav	Mechanical Engg.	16000
Daund Nagar-Parishad	Other	Government	Consultancy and Advisory Service	Water Audit	Dr.G. N. Narule	Civil Engg.	43000
Baramati Nagar-Parishad	Other	Government	Consultancy and Advisory Service	Water Audit	Dr.G. N. Narule	Civil Engg.	25000
Baramati Nagar-Parishad	Other	Government	Consultancy and Advisory Service	Energy Audit	Mr.H.A.Shai kh	Electrical Engg.	50000
M/S. Magnetic Electrical Line Contractor	Construction	Private	Consultancy and Advisory Service	Moulds for Concrete Cube	Mr.U.T. Jagdale	Civil Engg.	300
M/S. Biradar Govt. Con. Line Contractor	Construction	Private	Consultancy and Advisory Service	Concrete Cube Testing	Mr.U.T. Jagdale	Civil Engg.	1800

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M/S. Biradar Govt. Con. Line Contractor	Construction	Private	Consultancy and Advisory Service	Concrete Cube Testing	Mr.U.T. Jagdale	Civil Engg.	1800
M/S. Biradar Govt. Con. Line Contractor	Construction	Private	Consultancy and Advisory Service	Concrete Cube Testing	Dr.C.B. Nayak	Civil Engg.	4800
M/S. Biradar Govt. Con. Line Contractor	Construction	Private	Consultancy and Advisory Service	Concrete Cube Testing	Dr.C.B. Nayak	Civil Engg.	1200
Baramati Nagar-Parishad	Other	Government	Consultancy and Advisory Service	Structural Audit	Dr.G. N. Narule	Civil Engg.	30000
S. T. Electricals Pvt. Ltd.	Construction	Private	Consultancy and Advisory Service	Contouring and bearing capacity of soil	Ms. P.A. Bokey	Civil Engg	30000
M/S. V.H. Khatri Asso.	Construction	Private	Consultancy and Advisory Service	Concrete Cube Testing	Dr. C.B. Nayak	Civil Engg	5000
S. T. Electricals Pvt. Ltd.	Construction	Private	Consultancy and Advisory Service	Contouring and bearing capacity of soil	Ms. P.A. Bokey	Civil Engg	30000
S. T. Electricals Pvt. Ltd.	Construction	Private	Consultancy and Advisory Service	Contouring and bearing capacity of soil	Mr. D.D. Ahiwale	Civil Engg	15000

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Consultancy (2022-23)

Company Name	Company Sector	Incorporation Status	Type of Consultancy /Service	Title of Consultancy /Service	Faculty First Name	Discipline	Fee Received From Industry (in Rs)
Tuljai Associates Line Pvt. Ltd.	Construction	Private	Consultancy & Advisory Service	Steel Testing	Dr.S G. Morkhade	Civil Engg.	7800
Tuljai Associates Line Pvt. Ltd.	Construction	Private	Consultancy & Advisory Service	Carbon Content	Dr.N A. Jadhav	Civil Engg. and FE	3000
Baramati Nagar Parishad	Other	Government	Consultancy & Advisory Service	Water Audit and Energy Audit of buildings	Dr.G.N.Na rule, Mr. H.M. Shaikh	Civil & Electrical Engg.	60000 (Bill submitted)
Utkarsh Pvt Ltd.	Construction	Private	Consultancy & Advisory Service	Steel Testing	Dr.S G. Morkhade	Civil Engg.	3900
Yash Electro Lline Pvt. Ltd.	Construction	Private	Consultancy & Advisory Service	Steel Testing	Dr. D.D. Ahiwale	Civil Engg.	1500
BNP-Design water measurement scales	Other	Government	Consultancy & Advisory Service	Design water measurement scales	Dr. S. M.Bhosale	Mechanical Engg.	28000
Tuljai Associates Line Pvt. Ltd.	Construction	Private	Consultancy & Advisory Service	Concrete Cube Testing	Mr.P.K. Pise	Civil Engg.	1200
Rajmudra Construction Pvt Ltd.	Construction	Private	Consultancy & Advisory Service	Cement test	Mr.R.R.Kh artode	Civil Engg.	1950
Daund Nagar Parishad	Other	Government	Consultancy & Advisory Service	Water Audit of buildings	Dr.G.N.Na rule	Civil Engg.	10000 (Bill submitted)
Tuljai Associates Line Pvt. Ltd.	Construction	Private	Consultancy & Advisory Service	Concrete Cube Testing	Mr.U.T. Jagdale	Civil Engg.	1200
Sujit Kishor-	Construction	Private	Consultancy &	Concrete Cube Testing	Mr.U.T. Jagdale	Civil Engg	20,000.00

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Assist. Engg. Irrigation Sub., Baramati			Advisory Service				
Jha Construction	Construction	Private	Consultancy & Advisory Service	Concrete Cube Testing	Dr. C.B.Nayak	Civil Engg.	600.00
Prathmesh Construction Pvt.Ltd.	Construction	Private	Consultancy & Advisory Service	Concrete Cube Testing	Mr.D.G.Patil	Civil Engg.	600.00
Prathmesh Construction Pvt.Ltd.	Construction	Private	Consultancy & Advisory Service	Concrete Cube Testing	Mr.D.G.Patil	Civil Engg.	3,800.00
Ambhuja Cement Pvt.Ltd.	Construction	Private	Consultancy & Advisory Service	Concrete Cube Testing	Ms. S. B. Walke	Civil Engg	600.00
Ambhuja Cement Pvt.Ltd.	Construction	Private	Consultancy & Advisory Service	Concrete Cube Testing	Dr.N.T. Suryawanshi	Civil Engg.	600.00
Prathmesh Construction Pvt.Ltd.	Construction	Private	Consultancy & Advisory Service	Concrete Cube Testing	Mr.A.M. Gaikwad	Civil Engg.	1,200.00
Phaltan Nagar Parishad	Other	Government	Consultancy & Advisory Service	Core Testing	Dr.N.T. Suryawanshi	Civil Engg.	5000
Vipul Vanjare (Ambuja Cement)	Construction	Private	Consultancy & Advisory Service	Concrete Cube Testing	Mr.U.T. Jagdale	Civil Engg.	600.00
Baramati Nagar Parishad	Other	Government	Consultancy & Advisory Service	Structural Audit of School building No.3,4 &6	Dr. G. N. Narule	Civil Engg.	210000 (Bill submitted)
Gargate and son's Pvt.Ltd.	Construction	Private	Consultancy & Advisory Service	Concrete Cube Testing	Mr.U.T. Jagdale	Civil Engg	1,200.00

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Prathmesh Construction Pvt.Ltd.	Construction	Private	Consultancy & Advisory Service	Concrete Cube Testing	Dr.N.T. Suryawanshi	Civil Engg.	2600.00
Utkarsh Pvt Ltd	Construction	Private	Consultancy & Advisory Service	Concrete Cube Testing	Mr.U.T. Jagdale	Civil Engg	3,000.00
Infrastructure Developer Pvt.Ltd.	Construction	Private	Consultancy & Advisory Service	Soak CBR Test on soil samples	Dr. G. N.Narule	Civil Engg.	13500
Prathmesh Construction Pvt.Ltd.	Construction	Private	Consultancy & Advisory Service	Concrete Cube Testing	Mr.U.T. Jagdale	Civil Engg	1200
Sarthak Electromech line Pvt.Ltd.	Construction	Private	Consultancy & Advisory Service	Tensile test on steel	Mr.U.T. Jagdale	Civil Engg	1,500.00
Gargate and son's Pvt.Ltd	Construction	Private	Consultancy & Advisory Service	Concrete Cube Testing	Mr.U.T. Jagdale	Civil Engg	600.00
Prathmesh Construction Pvt.Ltd.	Construction	Private	Consultancy & Advisory Service	Concrete Cube Testing	Mr.U.T. Jagdale	Civil Engg	2400
Dattkala COE, Bhigwan, Practical Conduction	Other	Private	Consultancy & Advisory Service	Practical Conduction	Mr.U.T. Jagdale	Civil Engg	15000
Saswad Nagar Parishad	Other	Government	Consultancy & Advisory Service	Water Audit of buildings	Mr.D.D.Ahiwale	Civil Engg.	20000
Baramati Nagar Parishad	Other	Government	Consultancy & Advisory Service	Testing of cement, bricks, sand, stone	Mr.U.T. Jagdale	Civil Engg	7000
Baramati Nagar Parishad	Other	Government	Consultancy & Advisory Service	Structural Stability Audit of three buildings	Dr. G. N. Narule	Civil Engg.	210000 (Bill submitted)

- List of publication out of research Project in last three years and out of Master Projects
- Publications (if any) out of research in last three years out of masters projects(2021-22,2020-21,2019-20, 2022-23)

Sr, No,	Title of Paper	Name of Author	Name of journal/conferences	Name of Publisher	Department	Year of Publication
1	Video streaming in ultra high definition (4K and 8K) on a portable device employing a Versatile Video Coding standard	Rajveer Shastri	Optik	ELSEVIER Scopus	Electronics and Telecommunication	2023
2	Improving Performance of Rural Engineering students using Effective Implementation of well-planned Activities	A.P. Howarekar	ICTACT Journal on Management Studies	ICTACT	General Science and Engineering	2023
3	Numerical analysis of newly developed Angelina beams	Choudhari V.A. & Morkhade S.G.	Asian Journal of Civil Engineering	Springer Scopus	Civil Engineering	2023
4	Seismic performance assessment of reinforced concrete frames with different bracing systems	Dhiraj D Ahiwale, Denise-Penelope N Kontoni, and Prachi L Darekar	Innovative Infrastructure Solutions	Springer Scopus	Civil Engineering	2023
5	Optimisation of design parameters in solar air heater channel with right-angle triangular inserts using the Taguchi approach	Dr. Vipin B. Gawande	International Journal of Ambient Energy (Taylor and Francis)	Taylor and Francis	Mechanical Engineering	2022

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6	Fixed Point Outcome in the Metric Space of Cone	Amol Jadhav, Gajanan Dhanorkar	Journal of Seybold Report	Journal of Seybold	General science and Engineering	2022
7	Critical study of steel beams with web openings	Morkhade, S.G. and Gupta, L.M.	Australian Journal of Structural Engineering	Australian Journal of Structural Engineering	Civil Engineering	2022
8	Buckling performance evaluation of cellular beams strengthened with flange cover plate	Morkhade, S.G., Jagtap, K.R., Ghorpade, P.S., Ahiwale, D.D., Najm, H.M.	Asian Journal of Civil Engineering	Asian Journal of Civil Engineering	Civil Engineering	2022
9	Effect of web post width on strength capacity of steel beams with web openings: Experimental and analytical investigation.	Morkhade, S.G., Gupta, L.M., Carlos Humberto Martins.	Practice Periodical on Structural Design and Construction	ASCE	Civil Engineering	2022
10	Parametric study of trapezoidally corrugated web beam	Morkhade, S.G. and Gupta, L.M.	Materials Today: Proceedings	Elsevier	Civil Engineering	2022
11	Optimization of Self-cured High-Strength Concrete by Experimental and Grey Taguchi Modelling	Nayak, C.B., Suryawanshi, N.T., Thakare, S.B, Kate, G.K.	Iranian Journal of Science and Technology, Transactions of Civil Engineering	Springer	Civil Engineering	2022
12	Use of fly ash cenosphere in the construction Industry: A review	Nayak, C.B., Zanjad, N.S., Pawara, S.	Materials Today: Proceedings	Elsevier	Civil Engineering	2022

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13	Engineering application of organic materials with concrete: A review	Nayak C.B, Bengal, S. N., Pammar, L.S	Materials Today: Proceedings	Elsevier	Civil Engineering	2022
14	Modal analysis of cracked cantilever beam using ANSYS software	Dhiraj Ahiwale, Harshada Madake, Nikita Phadtare, Amit Jarande, Deepak Jambhale	Materials Today: Proceedings	Elsevier	Civil Engineering	
15	Damage detection of warren truss bridge using frequency change correlation	Varsha Patil, Dhiraj Ahiwale	Materials Today: Proceedings	Elsevier	Civil Engineering	2022
16	Flexural and shear cracking performance of strengthened RC rectangular beam with variable pattern of the BFRP strips	Narule G.N, Sonawane K. K	Innovative Infrastructure Solutions	Springer	Civil Engineering	2022
17	Experimental analysis of RC rectangular and square columns confined using carbon fiber composites	Narule,G. N., Visapure, A. N.	Materials Today: Proceedings	Elsevier	Civil Engineering	2022
18	Experimental investigation on compressive and flexural performance of Forta-fiber reinforced concrete	Narule,G. N., Visapure, A. N.	Materials Today: Proceedings	Elsevier	Civil engineering	2022
19	Structural and cracking behaviour of RC T-beams strengthened with BFRP sheets by experimental	Nayak, C.B, Narule G.N	Journal of King Saud University - Engineering Sciences	Elsevier	Civil Engineering	2022

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	and analytical investigation					
20	Implementation of Reliability Antecedent Forwarding Technique Using Straddling Path	Dr. Santaji Krishna Shinde	Wireless Communications and Mobile Computing	Hindwai	Computer Engineering	2022
21	"Mechanical Strengthening of Lightweight Aluminium Alloys through Friction Stir Process	Dr. Santaji Krishna Shinde	Advances in Materials Science and Engineering	Hindwai	Computer Engineering	2022
22	"Improving the Efficiency of Photovoltaic Panels Using Machine Learning Approach	Dr. Santaji Krishna Shinde	International Journal of Photoenergy	Hindwai	Computer Engineering	2022
23	A SEMANTIC TRANSFER OF ENGLISH WORDS FOR ACCESSING English Text in Hindi	Dr. Dinesh Bhagwan Hanchate	Stochastic Modeling & Applications	MUKpublications	Computer Engineering	2022
24	Integrating Blockchain into Agriculture Supply Chain	Dr. Dinesh Bhagwan Hanchate	International Journal of Advanced Research in Computer and Communication Engineering	IJRCCE	Computer Engineering	2022
25	Machine Learning in Horticulture culture Domain: A state-of-art Survey	Dr. Dinesh Bhagwan Hanchate	Artificial Intelligence in the Life Sciences (Scopus)	Elsevier	Computer Engineering	2022
26	Medicine Manufacturing Supply Chain Management System Using Blockchain	Gyankamal Jitendrakumar Chhajed	Journal of Advanced Research in Computer and Communication Engineering	IJRCCE	Computer Engineering	2022

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27	Evaluation of image quality based on visual perception using antagonistic networks in autonomous vehicles	R. K. Shastri	International Journal of Health Sciences	IJHS	E&TC Engineering	2022
28	" Effect of Optimized Deep Belief Network to Patch-Based Image Inpainting Forensics	Patil B.H	International Journal of Swarm Intelligence Research	IGI Global	E&TC Engineering	2022
29	Experimental and numerical study on reinforced concrete deep beam in shear with crimped steel fiber	Nayak, C.B.	Innovative Infrastructure Solutions	Springer	Civil engineering	2022
30	Machine Learning in Horticulture culture Domain: A state-of-art Survey	Dr. Dinesh Bhagwan Hanchate	Artificial Intelligence in the Life Sciences (Scopus)	Elsevier	Computer Engineering	
31	Effect of SiO ₂ and ZnO Nano-Composites on Mechanical and Chemical Properties of Modified Concrete	Nayak, C.B., Taware, P.P, Jagadale, U.T, Jadhav, N.A., Morkhade, S.G.	Iranian Journal of Science and Technology, Transactions of Civil Engineering	Springer	Civil Engineering	2022
32	Determination of Bacterial Concrete Strength Using Bacillus Subtilis and Lightweight Expandable Clay Aggregate	Dhiraj Ahiwale, Rushikesh Khartode	American Journal of Agricultural Science, Engineering, and Technology	AJASET	Civil Engineering	2022

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33	Diuretic For Hypertension: A Review	Sudhir B. Lande	World Journal of Pharmaceutical Research	Springer	E&TC Engineering	2022
34	Triple Laplace transforms and its properties	Hiwarekar A. P.	Advances and Applications in Mathematical Sciences	Mili Publication	General Science and Engineering	2022
35	Cryptographic method based on Laplace-Elzaki transform	Jadhav Shaila S., Hiwarekar A. P.	Journal of the Maharaja Sayajirao University of Baroda	Journal of the Maharaja Sayajirao University of Baroda	General Science and Engineering	2022
36	Synthesis of PbS Thin Film by Chemical Bath deposition Method and its Structural Optical Studies	B. S. Maharnavar, M. G. Bagal, Nitin A. Jadhav, A. R. Pardeshi and P C Pingle	Journal of Emerging Technologies and Innovative Research	JETIR	General Science and Engineering	2022
37	Experimental analysis of effective combustion heat release rate for improving the performance of synthetic biogas-diesel dual-fuel engine	Avinash H. Kolekar, Suneet Singh, Anuradda Ganesh	International Conference on Advances in Engineering & Technology Research	Taylor & Francis	Mechanical Engineering	2022
38	Design & CAD Model of Automatic Drainage	Manisha Lande, Prakash Hadule, Suraj Badekar, Mitali Shinde & Mayuri Tongale	Journal of Huazhong University of Science & Technology, (ISSN-1671-4512) Vol 50, Issue 6, 202	Huazhong University	Mechanical Engineering	2022
39	Multiple Approach of Smart Intelligent Car Parking System	Manisha Lande, Sneha Jadhav, Sharayu Jadhav, Akshay	Journal of Huazhong University of Science & Technology, (ISSN-1671-4512) Vol 50, Issue 7, 2021.	Huazhong University of Science &	Mechanical Engineering	2022

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40	A Review on Vibrational Characteristics of Aluminium (Al) Matrix Composites	Suraj Kumbhar	Journal of Huazhong University of Science and Technology ISSN-1671-4512, Vol 50 Issue 5	Huazhong University of Science and Technology	Mechanical Engineering	2022
41	A compact ultra-wideband square and circular slot ground plane planar antenna with a modified circular patch	Patil B.H	International Journal of Microwave and Wireless Technologies	Cambridge university Press	E&TC Engineering	2022
42	Advanced Deep Learning and Super Optimization Technique based on Classification of Medical Images	Dr. Santaji Krishna Shinde	International Journal of Mechanical Engineering	Elsevier	Computer Engineering	2022
43	Combustion Characteristics of Biomethane-Diesel Dual Fueled CI Engine with Exhaust Gas Recirculation	Machindra S. Gaikwad, Keshav M. Jadhav, Avinash H. Kolekar and Parshuram R. Chitragar	<u>Biofuels, 12 (4), 369-379</u>	SCIE, Scopus	Mechanical Engineering	2021
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45	Multiple Approach of Smart Intelligent Car Parking System	Manisha Lande, Sneha Jadhav, Sharayu Jadhav, Akshay Kamble & Priya Gaikwad	<u>Journal of Huazhong University of Science & Technology, (ISSN-1671-4512) Vol 50, Issue 7, 2021</u>	SCOPUS	Mechanical Engineering	2021

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46	Experimental analysis of effective combustion heat release rate for improving the performance of synthetic biogas-diesel dual-fuel engine	Avinash H. Kolekar, Suneet Singh, Anuradda Ganesh	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, <u>https://doi.org/10.1080/15567036.2021.1946214</u>	SCI, Scopus	Mechanical Engineering	2021
47	Investigation on Combustion Performance and Emission Characteristics of Four Stroke Four Cylinder Hydrogen Fuelled SI Engine	Parashuram R Chitragar, Shivaprasad K V, Gaikwad M S, Kumar G N	AIP Conference Proceedings 2316 (1), <u>030029</u>	Scopus	Mechanical Engineering	2021
48	Combustion characteristics of biomethane–diesel dual-fueled CI engine with exhaust gas recirculation	Machindra S Gaikwad, Keshav M Jadhav, Avinash H Kolekar, Parashuram R Chitragar	Biofuels 12 (4), <u>369-379</u>		Mechanical Engineering	2021
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50	Finite Element Analysis of Castellated Steel Beams	S. Sonone, S. Morkhade, G. Narule	GIS Science Journal, Vol. -8, Issue- <u>05, ISSN NO : 1869-9391.</u>	UGC Approved	Civil Engg	2021
51	Quantification study for roof truss subjected to near-fault ground motions	Dhiraj Ahiwale, Prajkta Shaha, Kamatchi Palaniyandi, Chittaranjan Nayak, Rushikesh Khartode and Samadhan Morkhade	Innovative Infrastructure Solutions, 6:118, pp- <u>1-12, https://doi.org/10.1007/s41062-021-00478-0</u>	Scopus Springer Publication	Civil Engg	2021
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53	Influence of compressive load on concrete filled steel tubular column with variable thickness	Dhiraj Ahiwale, Rushikesh Khartode, Akshay Bhapkar, Giridhar Narule, Kamalkishor Sharma	<u>Innovative Infrastructure Solutions</u> , 6:23, pp-1-14, https://doi.org/10.1007/s41062-020-00390-z	Scopus Springer Publication	Civil Engg	2021
54	Experimental and Analytical Investigation of Castellated Steel Beams with Varying Openings Eccentricity.	Morkhade, S. G., Shirke, T., Mansuke, A., Chavan, M. U, Gupta L. M.	<u>J. Inst. Eng. India Ser. A</u> , 102 (2), pp. 479 – 488. 2250-2149	Scopus	Civil Engg	2021
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56	LINEAR TRANSIENT DYNAMIC ANALYSIS OF PLATES WITH AND WITHOUT CUT OUT	Chittaranjan Nayak, Suraj N. Khante	<u>ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING</u>	SCI/Scopus	Civil Engg	2021
57	A STATE-OF-THE-ART REVIEW OF VERTICAL GROUND MOTION (VGM) CHARACTERISTICS EFFECTS AND PROVISIONS	Chittaranjan Nayak	<u>Innovative Infrastructure Solutions</u>	Scopus	Civil Engg	2021
58	A Parametric Analysis of Adjacent Elevated Service Reservoir with Structural Coupling at Various Locations	Chittaranjan Nayak S. U. Sayyad Rushikesh Khartode Umesh Jagadale, S G Morkhade	<u>Seismic Hazards and Risk</u>	Scopus	Civil Engg	2021

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59	Optimization of sustainable high-strength–high-volume fly ash concrete with and without steel fiber using Taguchi method and multi-regression analysis	Chittaranjan Nayak Gunavant Kate Sunil Bhimrao THAKARE	<u>Innovative Infrastructure Solutions</u>	Scopus	Civil Engg	2021
60	Structural and cracking behaviour of RC T-beams strengthened with BFRP sheets by experimental and analytical investigation	Chittaranjan Nayak Giridhar Narule	<u>Innovative Infrastructure Solutions</u>	Scopus	Civil Engg	2021
61	Experimental analytical and numerical performance of RC beams with V-shaped reinforcement	Chittaranjan Nayak Gunavant Kate Samadhan Morkhade Umesh Jagadale, Keshav Jadhav	<u>Innovative Infrastructure Solutions</u>	Scopus	Civil Engg	2021
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67	Weighted Clustering for Deep Learning Approach in Heart Disease Diagnosis	Ms. Bhandare Trupti V	<u>International Journal of Advanced Computer Science and Applications (IJACSA), 12(9), 2021.</u> <u>http://dx.doi.org/10.14569/IJACSA.2021.0120944</u>	Scopus (Elsevier), Web of Science, Inspec (IET), Norwegian Register for Scientific Journals, Series and Publishers (NSD), Julkaisufoorumi Publication Forum (Federation of Finnish Learned Societies), Genamics JournalSeek, Semantic Scholar, EBSCOhost, Ex Libris, Microsoft Academic Search, WorldCat, CNKI	Computer Engineering	2021
68	A Query-based travel Route Recommendation using Location based Social Networks	Ms. Sonali Parab Dr. Santaji Krisjna Shinde Manoj D. Shelar	<u>International Journal of Advanced Science and Technology, 9952-9964, 2005-4238</u>	Scopus, EBSCO ProQuest	Computer Engineering	2021

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70	Users Truthfulness Identification & Cryptography in Data Market	Dr.C.S.Kulkarni	<u>Test Engineering and Mangement, ISSN: 2005-4238</u>	Scopus, Google Scholar, Reserach gate	Computer Engineering	2021
71	User's Truthfulness Identification in Data Market	Dr.C.S.Kulkarni	<u>Test Engineering and Mangement,ISSN 2347 – 5161</u>	Google Scholar, Reserach gate	Computer Engineering	2021
72	Truthfulness and Privacy Preservation Using Blockchain Technology	Dr.C.S.Kulkarni	<u>Test Engineering and Mangement,0193-4120</u>	Scopus, Google Scholar, Reserach gate	Computer Engineering	2021
73	To Predict and Analysis of Diabetics using Machine Learning Algorithms	Dr.C.S.Kulkarni	<u>Test Engineering and Mangement, 0193-4120</u>	Scopus, Google Scholar, Reserach gate	Computer Engineering	2021
74	Detection of Code Smells and Reusability of Code Clones Using Nesting Structure	Dr.C.S.Kulkarni	<u>Test Engineering and Mangement, 0193-4120</u>	Scopus, Google Scholar, Reserach gate	Computer Engineering	2021
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76	A review on combine issues and challenges of underwater networks:UWS N and UASN	Dr. B. H. PATIL	<u>4th Edition of International conference on Communication and Cyber- Physical Engineering(ICCCE-2021) at G. H. Raison College of Engineering and Management, Pune</u>	Scopus, UGC	E&TC Engineering	2021

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77	Smartbook reader for visually impaired peoples using OCR and Raspberry Pi	Dr. B. H. PATIL	<u>4th Edition of International conference on Communication and Cyber- Physical Engineering(ICCCE-2021) at G. H. Raison College of Engineering and Management, Pune</u>	Scopus, UGC	E&TC Engineering	2021
78	Error Detection in Fault-Tolerant Reversible Circuit using Fredkin Gates	P. K. KADBE	<u>4th Edition of International conference on Communication and Cyber- Physical Engineering(ICCCE-2021) at G. H. Raison College of Engineering and Management, Pune</u>	Scopus	E&TC Engineering	2021
79	A review on combine issues and challenges of underwater networks:UWS N and UASN	P. K. KADBE	<u>4th Edition of International conference on Communication and Cyber- Physical Engineering(ICCCE-2021) at G. H. Raison College of Engineering and Management, Pune</u>	UGC Care	E&TC Engineering	2021
80	Smartbook reader for visually impaired peoples using OCR and Raspberry Pi	P. K. KADBE	<u>4th Edition of International conference on Communication and Cyber- Physical Engineering(ICCCE-2021) at G. H. Raison College of Engineering and Management, Pune</u>	UGC Care	E&TC Engineering	2021
81	MS-UNet: A multi-scale UNet with feature recalibration approach for automatic liver and tumor segmentation in CT images	D. T. KUSHNURE	<u>Computerized Medical Imaging and Graphics Volume 89, April 2021, 101885 ISSN: 0895-6111 https://doi.org/10.1016/j.compmedimag.2021.101885</u>	SCIE, Scopus	E&TC Engineering	2021
82	DMSAN: Deep Multi-Scale Attention Network for Automatic	D. T. KUSHNURE	<u>Medical Imaging and Health Informatics Wiley and Scrivener Publishing Book (Book Chapter</u>	Scopus /Web of Science	E&TC Engineering	2021

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83	M2UNet++ A Modified Multi-Scale UNet++ Architecture for Automatic Liver Segmentation in Computed Tomography Images	D. T. KUSHNURE	<u>Handbook of Research on Applied Intelligence for Health and Clinical Informatics (Book Chapter Accepted, Book Release Date: November, 2021)</u> ISBN13: <u>9781799877097</u> ISBN10: <u>1799877094EISBN13 : 9781799877103</u> DOI: <u>10.4018/978-1-7998-7709-7</u>	Scopus /Web of Science	E&TC Engineering	2021
84	Spatio-temporal deep neural networks for accession classification of Arabidopsis plants using image sequences	S. U. KOLHAR	<u>Ecological Informatics, 101334</u>	SCIE, Impact Factor: 3.142	E&TC Engineering	2021
85	Plant Trait Estimation and Classification Studies in Plant Phenotyping Using Machine Vision-A Review	S. U. KOLHAR	<u>Information Processing in Agriculture</u>	SCOPUS , Cite score: 9.9, SNIP: 3.184	E&TC Engineering	2021
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87	Smart Monitoring and Controlling of Agriculture System	R. S. PISKE	<u>International Research Journal of Modernization in Engineering Technology</u>	Volume: 03/Issue: 05/May-2021	E&TC Engineering	2021
88	Grading and sorting technique of dragon fruits using machine learning algorithms	Dr. V. J. NAGALKAR	<u>Elsevier journal of Agriculture and food research</u>	Volume 4, June 2021, 100118	E&TC Engineering	2021

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89	Distributed Resource Allocation Model for 5G got published in PENSEE international Journal	Dr. V. J. NAGALKAR	<u>PENSEE international Journal</u>	VOLUME 501343 ISSU 12	E&TC Engineering	2021
90	A review on combine issues and challenges of underwater networks:UWSN and UASN	A. W. BHAGAT	<u>4th Edition of International conference on Communication and Cyber- Physical Engineering(ICCCE-2021) at G. H. Raison College of Engineering and Management, Pune</u>	UGC Care	E&TC Engineering	2021
91	Smartbook reader for visually impaired peoples using OCR and Raspberry Pi	A. W. BHAGAT	<u>4th Edition of International conference on Communication and Cyber- Physical Engineering(ICCCE-2021) at G. H. Raison College of Engineering and Management, Pune</u>	UGC Care	E&TC Engineering	2021
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98	Empowering Strategies for Learners to Improve English Communication and Soft Skills	Mr. Anil B Patil	<u>Scopus Indexed</u> <u>Journal</u>	Scopus	General Science	2021
99	Triple Laplace transforms and its properties	Hiwarekar A. P.	<u>Advances and Applications in Mathematical Sciences (2021),</u> <u>Vol.20, Issue 11, pp</u> <u>2843-2851,(ISSN</u> <u>0974-6803)</u>	Web of Science, UGC Care	General Science	2021
100	Cryptographic method based on Laplace-Elzaki transform	Jadhav Shaila S., Hiwarekar A. P.	<u>Journal of the Maharaja Sayajirao University of Baroda,</u> <u>Volume-55, No.</u> <u>1(VIII) (2021), pp</u> <u>187-191. ISSN :0025-</u> <u>0422</u>	UGC care	General Science	2021
101	Synthesis of PbS Thin Film by Chemical Bath deposition Method and its Structural Optical Studies	B. S. Maharnavar, M. G. Bagal, Nitin A. Jadhav, A. R. Pardeshi and P C Pingle	<u>Journal of Emerging Technologies and Innovative Research</u> <u>Volume 8 Issue 3</u> <u>March-2021 eISSN:</u> <u>2349-5162</u>	UGC Care	General Sciences	2021
102	Parametric Study of Dome With and Without Opening	Nayak, C.B., Jain, M.A. & Walke, S.B	<u>J. Inst. Eng. India Ser.</u> <u>A, In Press,</u>		Civil	2020
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112	A Review on Circuits Implemented using Reversible Logic	Premanand K. Kadbe , Manisha G. Waje,	<u>journal of Seybold Report.</u>		ENTC	2020
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122	A Novel Hybrid Framework for Cuff-Less Blood Pressure Estimation based On Vital Bio Signals processing using Machine Learning,	Santosh Shinde	<u>IJATCSE</u>		IT	2020
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124	Implementation of DTC Controlled PMSM driven by a matrix converter.,	N.B. Wagh	<u>International Journal of Recent Technology and Engineering(IJRTE)</u>		Electrical	2020
125	Design of MCC Control Panel Using Electrical Autocad	Nikhil Vaidya	<u>The International journal of analytical and experimental modal</u>		Electrical	2020
126	Extension of prefunctions and its relation with Mittag-Leffler function	A. P. Hiwarekar	<u>The Journal of Analysis</u>		General Sciences	2020
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129	Postmodernism and Postmodern Literature: Analysis and Critical Interpretations	A. B. Patil	<u>An International Multidisciplinary Quarterly Research Journal</u>		General Sciences	2020
130	Quantification and Identification of Ischemic Stroke Using SVM	Vinay J. Nagalkar, G. G. Sarate	<u>International Journal of Research and Analytical Reviews</u>		ENTC	2019
131	Brain Tumor Detection Using Support Vector Machine	Vinay J. Nagalkar, G. G. Sarate	<u>International Research Journal of Engineering and Technology</u>		ENTC	2019
132	Blockchain technology in agriculture & food supply chain	Suhir B. Lande,Chaitrali M. Sargar,C. K. Thadhani	<u>published in International journal of Research and analytical review</u>		ENTC	2019
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135	Validation of model-based techniques for characterization of surface sediment at Khadakwasala Lake with field data,	Jyoti Sadalage, Rashmi Sharma, Arnab Das, Yashwant Joshi,	<u>Indian Journal of Geophysical Union,</u>		ENTC	2019
136	Smart ECG Monitoring Wireless System	Santosh Chede, Vyanktesh Girhepunje	<u>International Journal of Engineering and Advanced Technology</u>		ENTC	2019
137	Hybrid image inpainting using reproducing kernel Hilbert space and dragonfly inspired wavelet transform	Balasaheb H. Patil and P. M. Patil	<u>International Journal of Nano and Biomaterials</u>		ENTC	2019
138	Parametric Study of Inset microstrip line fed Square Microstrip Patch Antenna for 10GHz Application	Madan Jadhav	<u>International Journal of Research and Analytical Reviews</u>		ENTC	2019
139	Next Generation Logic Gate Designs using Improved Polarity Control Bipolar Junction Transistor	Lokesh Kumar Bramhane, Santosh D. Chede, Premanand K. Kadbe, Balasaheb Patil, Sudhir B. Lande	<u>International Journal of Recent Technology and Engineering</u>		ENTC	2019

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140	Dual Dielectrically Modulated Electrostatically Doped Tunnel-FET for Biosensing Applications	Lokesh Kumar Bramhane, P.K. Kadbe, B.H. Patil, S.D. Chede and S.B. Lande	<u>International Journal on Emerging Technologies</u>		ENTC	2019
141	Diabetic Retinopathy, an Eye Disease Prediction System: Survey	G. J. Chhajed	<u>IJRASET</u>		Comp	2019
142	Diabetic Retinopathy, An Eye Disease Prediction System using Convolutional Neural Network	G. J. Chhajed	<u>IJRASET</u>		Comp	2019
143	Medicine Manufacturing Supply Chain Management System Using Blockchain	G. J. Chhajed	<u>IJARCCCE</u>		Comp	2019
144	Binary Image Steganography using Flipping Distortion Technique	G. J. Chhajed	<u>IJRASET</u>		Comp	2019
145	Behaviour of Castellated Steel Beam: State of the Art Review,	Morkhade S. G., Gupta L. M	<u>Electronic Journal of Structural Engg</u>		Civil	2019
146	Seismic performance of existing water tank after condition ranking using non destructive testing,	C. B. Nayak, S.B.Thakare	<u>International J.of Advanced Structural Engg</u>		Civil	2019
147	Comparative study of effect of web openings on the strength capacities of steel beam with trapezoidally corrugated web,	Morkhade S. G., Swami M. Baswaraj, Chittranjan B. Nayak,	<u>Asian Journal of Civil Engg.</u>		Civil	2019

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148	Ultimate load behaviour of steel beams with web openings	Morkhade S. G., Gupta L. M.,	<u>Australian Journal of Structural Engg</u>		Civil	2019
149	Behavior of RC T-Beam strengthen using basalt fiber reinforced polymer (FRP) sheet,	Narule, G. N. and Surwase H.,	<u>International Research Journal of Engineering and Technology</u>		Civil	2019
150	Analytical study of effect of web opening on flexural behaviour of hybrid beams	Morkhade S.G., Kshirsagar M., Dange R., Patil A.	<u>Asian Journal of Civil Engg</u>		Civil	2019
151	Design of MCC control panel using Electrical AutoCAD”	Mr. Nikhil Vaidya	<u>The International journal of analytical and experimental model,</u>		Elect	2019
152	Energy Audit: A Case of an Industrial Area,	Mr. Rohit S. Tarade, Mr. Dipak S. Yeole Mr. Pavan D. Upadhye,	<u>Journal of Applied Science and Computations</u>		Elect	2019
153	Application of graph-theoretic approach for the evaluation of lean-six-sigma (LSS) critical-success-factors (CSFs) facilitating quality-audits in Indian small & medium enterprises (SMEs),	M. S. Lande , D. Seth, R. L Shrivastava	<u>International Journal of Quality & Reliability,</u>		Mech	2019
154	IN VIVO ANTI-BACTERIAL EFFECTIVENESS OF NANOTEXTURED TITANIUM IMPLANT SURFACES,	CR Friedrich, E Baker, S. M. Bhosle, D Justin	<u>Orthopaedic Proceedings</u>		Mech	2019

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155	Value Stream mapping in Press Shop	M. S. Lande, N. K. Mandavgade	<u>International Journal of Innovations in Engineering & Science</u>		Mech	2019
156	Recent advancement in heat transfer and fluid flow characteristics in cross flow heat exchangers,	C. K. Mangrulkar, A. S. Dhoble, S. Chamoli, A. Gupta, V. B. Gawande,	<u>Renewable and Sustainable Energy Reviews,</u>		Mech	2019
157	Luminescence and ESR study of Gd ³⁺ doped Ca ₃ Al ₂ O ₆ phosphor,	Vijay Singh, N. Singh, M.S. Pathak, V. Natarajan, and Nitin A. Jadhav	<u>Optik - International Journal for Light and Electron Optics,</u>	Elsevier	General Sciences	2019
158	Photoluminescence and electron paramagnetic resonance properties of UV-B light emitting Gd ³⁺ activated Y ₂ O ₃ phosphor prepared by sol-gel method,	Vijay Singh, N. Singh, M.S. Pathak S. Watanabe, T.K. Gundu Rao Nitin A. Jadhav, and Young-Wan Kwon	<u>Optik - International Journal for Light and Electron Optics,</u>	Elsevier	General Sciences	2019
159	Effect of Sm ³⁺ substitution on the structural and magnetic properties of Ni-Co nanoferrites	M.K. Kokare, Nitin A. Jadhav, Vijay Singh and S.M. Rathod,	<u>Optics and Laser Technology,</u>	Elsevier	General Sciences	2019
160	Hydrothermal Growth and Humidity-Dependent Electrical Properties of Molybdenum Disulphide Nanosheets,	Nitin T Shelke, S. C. Karle, B R Karche	<u>Journal of Nanoscience and Nanotechnology</u>	American Scientific Publishers	General Sciences	2019
161	Hydrothermal growth of MoSe ₂ nanoflowers for photo-and humiditysensor applications	Nitin T Shelke, Dattatray J Late,	<u>Sensors and Actuators A: Physical</u>	Elsevier	General Sciences	2019

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162	Dielectric Relaxation and FTIR Studies on Molecular Interaction between Ethylene Glycol Monobutyl Ether with Bromobenzene and Chlorobenzene	A. S. Disale, P. B. Undre, S. A. Yaseen, F. A. Saif, A. S. Alameen, S. S. Patil & P. W. Khirade	<u>Integrated Ferroelectrics: An International Journal</u>	Taylor and Francis	General Sciences	2019
163	Innovative Ways of Teaching English to Students of Rural India: Challenges and Corrective Measures Empowering Students of Bharat with English for Career Development	A. B. Patil			General Sciences	2019
164	Enhanced Bone Fixation by Nano-Texturing via Titanium Oxide nanotube anodization,	D. Justin, CR. Friedrich, S. M. Bhosle, E. Baker, SH. Jin, C. Pratt	<u>Orthopaedic Proceedings</u>		Mech	2018
165	Analysis of the effects of use of thermal energy storage device (TESD) in solar air heater,	A. Wadhawan, A. S. Dhoble, V. B. Gawande	<u>Alexandria Engineering Journal</u>		Mech	2018
166	Thermal performance evaluation of solar air heater using combined square and equilateral triangular rib roughness,	V.B. Gawande, A. S. Dhoble, D. B. Zodpe, S.G. Fale,	<u>Australian Journal of Mechanical Engineering</u>		Mech	2018
167	A comparative analysis of thermo-hydraulic performance of a roughened solar air heater	V.B. Gawande, A. S. Dhoble, D. B. Zodpe, C Mangrulkar,	<u>Australian Journal of Mechanical Engineering,</u>		Mech	2018

	using various rib shapes					
168	Effect of hydrogen addition on combustion and emissions performance of a high speed spark ignited engine at idle condition.	K. V. Shivaprasad, P. R. Chitragar, G. N. Kumar,	<u>Thermal Science</u>		Mech	2018
169	Combustion characteristics of biomethane–dieseldual-fueled CI engine with exhaust gasrecirculation	M. S. Gaikwad, K. M. Jadhav, A. H. Kolekar, P. R. Chitragar,	<u>Biofuels,</u>		Mech	2018
170	Nighttime Vehicle Detection System Using Bio-Inspired Image Enhancement	G. J. Chhajed	<u>JNIC</u>		Comp	2018
171	Convolutional Neural Network To Automatic Quality Assessment Of Echocardiography In Apical Four Chamber	G. J. Chhajed	<u>IJREAM</u>		Comp	2018
172	Development of Unsupervised Method for Product Aspect Rating Using Customer Reviews	G. J. Chhajed	<u>IJREAM</u>		Comp	2018
173	FPAA Based Design of Assistive Listening Device for Hearing Disorders People,	Dr. Sudhir B. Lande, Suresh S. Balpande	<u>Helix</u>		ENTC	2018
174	SIMULATION AND ANALYSIS OF	Gayatri Gaikwad, Milan Sasmal, Sudhir Lande	<u>International Journal of Science & Engineering</u>		ENTC	2018

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	TEMPERATURE EFFECT ON 7 nm n-MOSFET Open Access					
175	Analysis of Received Signal Strength in Wireless Network of Fireword V Robot	Snehal Kokare, Rajveer Shastri, Shrikrashna Kolhar	<u>International Journal of Advance Robotics & Expert Systems</u>		ENTC	2018
176	Crow search algorithm with Discrete Wavelet Transform to aid Mumford Shah inpainting model Evolutionary Intelligence	Balasaheb H. Patil and P. M. Patil			ENTC	2018
177	Object Removal using Improved Exemplar based method in Image Inpainting	Balasaheb H. Patil and P. M. Patil	<u>International Journal of Science and Technology</u>		ENTC	2018
178	Performance Comparison of PID Controller and Fuzzy Logic Controller for Speed Control of DC Motors	K. Jakkani, Govind Devsut,	<u>Journal of Applied Science and Computations</u>		Elect	2018
179	A Novel Three Phase Voltage Source Converter Fed PMSM Drive	N. B. Wagh,	<u>IAETSD JOURNAL FOR ADVANCED RESEARCH IN APPLIED SCIENCES.</u>		Elect	2018
180	Concept and Implementation of Self-Parking Chair	N. B. Wagh	<u>International Journal of Scientific Research in Science, Engineering and Technology</u>		Elect	2018
181	Intelligent health risk prediction systems using machine learning a review	Mr Santosh A. Shinde, Dr P. Raja Rajeswari	<u>International Journal of Engineering & Technology</u>		IT	2018

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182	Axial behavior of CFRP wrapped RC columns of different shapes with constant lenderness ratio,	Narule, G. N. and Bambole, A. N	<u>Structural Engineering and Mechanics,</u>		Civil	2018
183	Comparative study of ultimate load for castellated and plain-webbed beams	Samadhan G. Morkhade, Subhan Shaikh, Ajay Kumbhar, Abdulaziz Shaikh, Rushikesh Tiwari,	<u>International Journal of Civil Engineering and Technology</u>		Civil	2018
184	Studies on polarization effect of polyethylene-based polymer electrolyte in dye and quantum dot sensitized solar cells,	Karan Surana Nitin A. Jadhav Pramod K. Singh B. Bhattacharya	<u>Applied Nanoscience</u>		General Science	2018
185	PL and ESR Study on UVB-Emitting Gadolinium-Doped BaMgAl10O17 Hexagonal Phase Obtained by Combustion Synthesis,	Vijay Singh, N. Singh, M.S. Pathak, V. Natarajan, and Nitin A. Jadhav,	<u>Journal of ELECTRONIC MATERIALS,</u>		General Science	2018
186	Effect of Nd ³⁺ Doping on Structural and Magnetic Properties of Ni _{0.5} Co _{0.5} Fe ₂ O ₄ Nanocrystalline Ferrites Synthesized by Sol-gel Auto Combustion Route	M.K. Kokare, Nitin A. Jadhav, Yogesh Kumar, K.M. Jadhav, S.M. Rathod	<u>Journal of alloys and compounds,</u>		General Science	2018
187	Photosensor properties of spray deposited CdS thin films,	Nitin T Shelke , S. C. Karle, B R Karche,	<u>International Journal of Multifaceted and Multilingual Studies</u>		General Science	2018
188	Synthesis, Characterization and Optical Properties of	Y.M.Chitare, H.R.Kulkarni, A.S.Disale	<u>International Journal of Multifaceted and Multilingual Studies</u>		General Science	2018

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	AgIn ₂ Se ₄ Thin Films by Electrodeposition technique					
189	Interpreting Salman Rushdie as a Postmodern Writer, Asian Quarterly	A. B. Patil,	<u>An International Journal of Contemporary</u>		General Science	2018

Industry Linkage

Company Name	Company Sector	Incorporation Status	Year	Level	Discipline
Zensar	IT	Private	2017-2018	Degree	Computer & IT Engineering and Allied (NIT, IIT, IIIT)
Incubxperts	IT	Private	2017-2018	Degree	Computer & IT Engineering and Allied (NIT, IIT, IIIT)
Raykor	IT	Private	2017-2018	Degree	Computer & IT Engineering and Allied (NIT, IIT, IIIT)
Extentia Information Technology Private Limited	IT	Private	2017-2018	Degree	Computer & IT Engineering and Allied (NIT, IIT, IIIT)
Syntel	IT	Private	2017-2018	Degree	Computer & IT Engineering and Allied (NIT, IIT, IIIT)
Bharat Forge Private Limited	Automobiles	Private	2017-2018	Degree	Mechanical Engineering and Allied
Ardizen Network	Consulting	Private	2017-2018	Degree	Mechanical Engineering and Allied
Ardizen Network	Consulting	Private	2017-2018	Degree	Electronics Engineering and Allied
Bharat Forge Private Limited	Automobiles	Private	2016-2017	Degree	Mechanical Engineering and Allied
Piaggio Vehicles Private Limited Baramati	Automobiles	Private	2016-2017	Degree	Mechanical Engineering and Allied
Efficient Fire Services Hapsar Pune	Energy	Private	2016-2017	Degree	Mechanical Engineering and Allied
Extentia Information Technology Private Limited	IT	Private	2016-2017	Degree	Computer & IT Engineering and Allied (NIT, IIT, IIIT)
Metamagics Pune	IT	Private	2016-2017	Degree	Computer & IT Engineering and Allied (NIT, IIT, IIIT)
Genius Minds Pune	IT	Private	2016-2017	Degree	Computer & IT Engineering and Allied (NIT, IIT, IIIT)
Raykor	IT	Private	2016-2017	Degree	Computer & IT Engineering and Allied (NIT, IIT, IIIT)

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Icognito Pune	Consulting	Private	2016-2017	Degree	Computer & IT Engineering and Allied (NIT, IIT, IIIT)
Icognito Pune	Consulting	Private	2016-2017	Degree	Electrical Engineering and Allied
Icognito Pune	Consulting	Private	2016-2017	Degree	Electronics Engineering and Allied
CMI	Manufacturing	Private	2016-2017	Degree	Electrical Engineering and Allied
CMI	Manufacturing	Private	2016-2017	Degree	Electronics Engineering and Allied
NVDIA	Engineering	Private	2016-2017	Degree	Electronics Engineering and Allied
Reliance Digital	Manufacturing	Private	2016-2017	Degree	Electronics Engineering and Allied

18.18 Memorandum of Understanding (MoU) with Industries

Name of Institute and DTE Code	Sr. No.	MOU Signed with Industry/Organization	Date of Signing	Purpose of MOU	Outcome/Beneficiaries
			MOU		
Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering & Technology, Baramati, Dist-Pune EN6284	1	North Carolina State University ,USA	2011-10	Faculty Exchange, Student Internship, Project,Sponsorship, Training to staff and students, Visits, Mutual	Nil
	2	University of pordumice	2012-11	Faculty Exchange, Student Internship, Project,Sponsorship, Training to staff and students, Visits, Mutual	Nil
	3	MichiganTech, Michigan Technological University	2012-11	Faculty Exchange, Student Internship, Project,Sponsorship, Training to staff and students, Visits, Mutual	Nil
	4	College of Engineering, Shivajinagar, Pune	2016-17	Faculty Exchange, Student Internship, Project,Sponsorship, Training to staff and students, Visits, Mutual	Faculty Exchange (PGDERP)
	5	Zensar Technologies	2016-17	Faculty Exchange, Student Internship, Project,Sponsorship, Training to staff and students, Visits, Mutual	Comp and IT Branch has received training under CSR Activity year 2017-18,2018-19.
	6	Nashik Engineering cluster	2016-17	Faculty Exchange, Student Internship, Project,Sponsorship, Training to staff	Nil

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				and students, Visits, Mutual	
7	Science & Technology Park Mumbai	2017-18	Faculty Exchange, Student Internship, Project, Sponsorship, Training to staff and students, Visits, Mutual	Nil	
8	Krishi Vigyan Kendra, Baramati	2017-18	Faculty Exchange, Student Internship, Project, Sponsorship, Training to staff and students, Visits, Mutual	Nil	
9	National Institute of Abiotic Stress management	2017-18	Faculty Exchange, Student Internship, Project, Sponsorship, Training to staff and students, Visits, Mutual	Nil	
10	Baramati Chamber of Commerce & Industries, Baramati	2017-18	Faculty Exchange, Student Internship, Project, Sponsorship, Training to staff and students, Visits, Mutual	Nil	
11	Aishwarya Allied Foods	2018-19	Faculty Exchange, Student Internship, Project, Sponsorship, Training to staff and students, Visits, Mutual	Internships and Placement of Students	
12	Bhosle Consultants	2018-19	Faculty Exchange, Student Internship, Project, Sponsorship, Training to staff and students, Visits, Mutual	Internships and Placement of Students, Faculty Development	
13	Seiton Technologies Pvt. Ltd	2018-19	Faculty Exchange, Student Internship, Project, Sponsorship, Training to staff and students, Visits, Mutual	Support control and automation projects, Project Management Methodology	
14	RSC IT consulting	2018-19	Faculty Exchange, Student Internship, Project, Sponsorship, Training to staff and students, Visits, Mutual	Software Development, Campaign Management, Training Solutions	
15	Mukti Construction	2018-19	Faculty Exchange, Student Internship, Project, Sponsorship, Training to staff and students, Visits, Mutual	Industrial Training and Visit, Skill Development	
16	Maharashtra Center for Entrepreneurship	2018-19	Faculty Exchange, Student Internship, Project, Sponsorship, Training to staff	Training program for staff and Students	

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				and students, Visits, Mutual	
17	Mayuresh Industry	2019-20	Faculty Exchange, Student Internship, Project,Sponsorshi p, Training to staff and students, Visits, Mutual	Collection of literature Surveys, Collection of Samples fabrication of yeast grower machine 2020-21	
18	Teckschool	2019-20	Faculty Exchange, Student Internship, Project,Sponsorshi p, Training to staff and students, Visits, Mutual	Workshop Held in E &TC department	
19	Government polytechnic Gadchiroli	2019-20	Faculty Exchange, Student Internship, Project,Sponsorshi p, Training to staff and students, Visits, Mutual	Industry Interaction	
20	AIC_ADT	2019-20	Faculty Exchange, Student Internship, Project,Sponsorshi p, Training to staff and students, Visits, Mutual	Industry interaction	
21	Bharat Forge ltd,Baramati	2019-20	Faculty Exchange, Student Internship, Project,Sponsorshi p, Training to staff and students, Visits, Mutual	Industry visit & Student internship	
22	Yash Bottles suppliers	2019-20	Faculty Exchange, Student Internship, Project,Sponsorshi p, Training to staff and students, Visits, Mutual	IIS2K Summit, 7 Feb 2020	
23	Insculpt Technologies LLP Pune	2019-20	Faculty Exchange, Student Internship, Project,Sponsorshi p, Training to staff and students, Visits, Mutual	IIS2K Summit, 7 Feb 2021	
24	Sunita Enterprises Baramati	2019-20	Faculty Exchange, Student Internship, Project,Sponsorshi p, Training to staff and students, Visits, Mutual	IIS2K Summit, 7 Feb 2022	
25	PMS Robotics, Pune	2019-20	Faculty Exchange, Student Internship, Project,Sponsorshi p, Training to staff and students, Visits, Mutual	Support control and automation projects ,Project Management Methodology -110	
26	Shrinath Engineering Works Baramati	2019-20	Faculty Exchange, Student Internship, Project,Sponsorshi p, Training to staff	IIS2K Summit, 7 Feb 2020	

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				and students, Visits, Mutual	
27	Infinity Drip Baramati	2019-20	Faculty Exchange, Student Internship, Project,Sponsorshi p, Training to staff and students, Visits, Mutual	Industry Institute Interaction	
28	Baramati Hi-Tech Textile Park (BHTPL) Baramati	2019-20	Faculty Exchange, Student Internship, Project,Sponsorshi p, Training to staff and students, Visits, Mutual	Industry Institute Interaction	
29	Amazon Web Service	2019-20	Faculty Exchange, Student Internship, Project,Sponsorshi p, Training to staff and students, Visits, Mutual	Collaboration for conducting Vocational Educational Program under Education scheme of NSQF, 2020-21	
30	Curiosity Automation OPC PVT. LTD	2019-20	Faculty Exchange, Student Internship, Project,Sponsorshi p, Training to staff and students, Visits, Mutual	Industry Institute Interaction	
31	Baramati Hi-Tech Textile Park	2019-20	Faculty Exchange, Student Internship, Project,Sponsorshi p, Training to staff and students, Visits, Mutual	IIS2K Summit, 7 Feb 2020	
32	Baramati Oxygen	2019-20	Faculty Exchange, Student Internship, Project,Sponsorshi p, Training to staff and students, Visits, Mutual	IIS2K Summit, 7 Feb 2021	
33	Harshal Industries	2019-20	Faculty Exchange, Student Internship, Project,Sponsorshi p, Training to staff and students, Visits, Mutual	IIS2K Summit, 7 Feb 2022	
34	Supriya Electrical , Baramati	2019-20	Faculty Exchange, Student Internship, Project,Sponsorshi p, Training to staff and students, Visits, Mutual	IIS2K Summit, 7 Feb 2023	
35	Pixelstat esolutions developement pvt. ltd	2019-20	Faculty Exchange, Student Internship, Project,Sponsorshi p, Training to staff and students, Visits, Mutual	Web technologies & Learning Digitalization (60)	
36	Primus Technology	2020-21	Faculty Exchange, Student Internship,	Nil	

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				Project,Sponsorship, Training to staff and students, Visits, Mutual	
37	Sawant Dairy Pvt Ltd. someshwar	2020-21	Faculty Exchange, Student Internship, Project,Sponsorship, Training to staff and students, Visits, Mutual	Research Proposal submitted to RGSTC in 20-21 by five faculties	
38	New Edge Instruments and Materials Pvt. Ltd. haryana, India	2020-21	Faculty Exchange, Student Internship, Project,Sponsorship, Training to staff and students, Visits, Mutual	Research Proposal submitted to RGSTC in 20-22 by one faculty	
39	Renu Udyog Samuh, Beed	2021-22	Faculty Exchange, Student Internship, Project,Sponsorship, Training to staff and students, Visits, Mutual	Nil	
40	Shri Chhatrapati Cooperative Sugar Factory Ltd.Bhavaninagar	2021-22	Faculty Exchange, Student Internship, Project,Sponsorship, Training to staff and students, Visits, Mutual	18/08/2022 Visted a faculty	
41	Vidya Pratishthan's College of agriculture	2021-22	Data created for plant	Two faculty taken benefits of this MoU	
42	Extreme design and Cosultant , baramati	2021-22	Site visit, faculty exchange, Gust lecture ,internship	Nil	
43	Borade Associates Baramati	2021-22	Site visit, faculty exchange, Gust lecture, internship	Nil	
44	Mayureshwar Reality and Developers Pvt Ltd	2021-22	Site visit, faculty exchange, Guest Lecture, internship	Nil	
45	Unitech Cement Pvt. Ltd.	2022-23	Site visit, faculty exchange, Gust Lecture, internship	Nil	
46	Indian Society of structural Engineers	2022-23	Site visit, faculty exchange, Gust Lecture, internship	Nil	
47	Progigio Learnings Pvt. Ltd.Baramati	2022-23	Industrial training, visits	Nil	
48	Shanikrupa Industries, Baramati	05-01-2022	Industrial training, visits	Nil	
49	Capgemini, Pune	13-02-2022	Industrial training, visits	NII	
50	Simusoft Technologies,pune	02-09-2023	Industrial training, visits	Industrial training, visits	
51	IBM	29-12-2022	Industrial training, visits	Industrial training, visits	
52	Bharat Forge, Pune	10-07-2023	Industrial training, visits	Industrial training, visits	

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	53	COEP Bhau Institute of Innovation , Entrepreneurship & Leadership	10-07- 2023	Industrial training, visits	Industrial training, visits
	54	Data Flair Webservices Pvt Ltd	23-01- 2024	Industrial training, visits	Nil
	55	Sumago Infotech Pvt. Ltd.Pune	03/11/202 3	To bridge the Gap between Education and Industry	Industrial Visit

Recipient of Research Fellowship

Coordinating Institute	Faculty	Department	Year
IIT Guwahati	Miss. Yadav Mona	Mech Engg	2018
IDRBT Hyderabad	Mrs. Kanchan Bhale	IT	2016
IIT Delhi	Mr. Madan M. Jadhav	E&TC Engg	2016
IIT Delhi	Mr. D.A. Zende, Mr. Sahil Shah	Comp Engg	2015
IIT Delhi	Mr. Keshav Jadhav	Mech. Engg.	2015
IIT Delhi	Mr. Mahesh G. B.	Civil Engg.	2014
IIT Delhi	Mr. Vikas Deshmukh, Mr. S.S. Jagdale	E & TC Engg.	2014
IIT Delhi	Dr. Rajveer Shastri	E & TC Engg.	2013
IIT Guwahati	Dr. Sachin Bhosle	Mech. Engg.	2013
IIT Delhi	Dr. Sachin Bhosle	Mech. Engg.	2012
IIT Delhi	Mrs. Jyoti Rangole	E & TC Engg.	2012

IPR Training Programme :

Title of Training Program	Date conducted	Beneficiaries
Importance of IPR in Research and Entrepreneurship	27th & 28th Feb. 2020	Second Year Mechanical and Civil Engineering students
Importance of IPR in Research and Entrepreneurship	2nd & 3rd Mar. 2020	Second Year E & TC Engineering students
Importance of IPR in Research and Entrepreneurship	4th & 5th Mar. 2020	Second Year Electrical Engineering students

Centre of Excellence (CoE)

Sr. No.	Name of Centre
1	Machine Learning and Artificial Intelligence
2	Web Technology
3	PLC Scada
4	Cloud Computing
5	Enhancement of English and foreign Languages
6	Industrial Robotics Simulation and Analysis
7	Advanced Manufacturing and Terotechnology
8	Enhancement of Technical Skill
9	Plastic Waste Management
10	Sponsored Prerana Center for SC-ST Students
11	Agricultural Technologies
12	Internet of Things
13	Smart Innovation Centre
14	MATLAB for Research Via Enhanced Learnings(MARVEL)

Patents Applications (2022-23)

SN	Patent Application No.	Title of the Patent	Applicant/s Name	Patent Published Date / Granted Date (DD/MM/YYYY)	Assignee/s Name (Institute Affiliation/s at time of Application)
1	202221052923	AI Based Ploughing Machine	1. Dr. Arvind Jagtap 2. Mr. Laxman Jagannath Deokate	30/09/2022	VPKBIET, Baramati
2	202241048392	Stock Market Prediction And Analysis By Considering Multiple Parameters Using Machine Learning	Dr. Dinesh Bhagwan Hanchate	09-09-2022	VPKBIET, Baramati
3	202241044325	Testing and classification of soil for the purpose of cultivation using machine learning	Dr. Dinesh bhagwan hanchate	08-12-2022	VPKBIET, Baramati
4	202241044323	Hybrid technology for facilitating parking for vehicles in congested areas	Dr. Dinesh bhagwan hanchate	08-12-2022	VPKBIET, Baramati
5	202241037558	Measures to reduce and monitor sound pollution in urban areas by making use of fog and edge computing	Dr. Dinesh bhagwan hanchate	07-08-2022	VPKBIET, Baramati
6	202241032691	Generating a map of potential customers and segregating it for marketing the product using classification and regression methods	Dr. Dinesh bhagwan hanchate	17/06/2022	VPKBIET, Baramati
7	202221050126	AI & ML Based System For Prediction Of	Dr. Santaji Krishna Shinde	16-09-2022	VPKBIET, Baramati

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		Wind Power For Multi-Turbines			
8	202221051203	A System For Mapping Cancer Common Data Elements Usingann & AI Modules	Dr. Santaji Krishna Shinde	16-09-2022	VPKBIET, Baramati
9	202221051801	An Advanced Artificial Neural Network For Health monitoring System And Method Thereof	Dr. Santaji Krishna Shinde	23-09-2022	VPKBIET, Baramati

Patents Applications(2019-22)

Sr. No.	Title	Name of student	Guide Name	Department	Application No.	Status	Date
1.	Smart Unique ID Security System for Next Generation Using Iris Biometric	Ashish Kulkarni	Sudhir Lande Vinay Nagalkar	E&TC	202021004251	Filed	31/01/2020
2.	Low cost Agro Forestry Plant Security System Using Pic Microcontroller	Nilam Kalaskar Shubhangi Khusape Shoba Kuchekar Shivpriya Yadav Vaijnath Khomane	Sudhir Lande Vinay Nagalkar Balasaheb Patil	E&TC	201921046615	Filed	15/11/2019
3.	Next Generation Heating and Location identifier Jacket for Military Personal	Vaijnath Khomane Shivpriya Yadav Swanand Khaladkar Mauli Shinde Elakkiya Sundaram Mayur Shinde	Sudhir Lande Vinay Nagalkar	E&TC	201921046614	Filed	15/11/2019

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		Payal Yadav					
4.	Easy Care Smart Water Bottle For Next Generation	Vajjnath Khomane Shivpriya Yadav Swanand Khaladkar Mauli Shinde Elakkiya Sundaram Mayur Shinde Payal Yadav	Sudhir Lande Vinay Nagalkar	E&TC	201921046613	Filed	15/11/2019
5.	Electrical Appliance Monitoring and Saver Device For Institution	Poonam Jadhav. Shubham Hanamante Chaitanya Sable Vaishnavi Kanade Nirmal Kumbhar Sanket Arde	Sudhir Lande Vinay Nagalkar	E&TC	201921046619	Filed	15/11/2019
6.	Antitheft System for Electric Motor Pump	Sourabh Kalebere Pratiksha Gaikwad Anikate Hole	Sudhir Lande Vinay Nagalkar	E&TC	201921046616	Filed	15/11/2019
7.	Design of Automation Sugarcane Cutter with Bud Detection	Aishwarya Fhulari	Sudhir Lande Jyoti Rangole Vinay Nagalkar	E&TC	201921046618	Filed	15/11/2019
8.	Automated cotton Plucking Robot	Rushikesh kale Vajjnath Khomane Nivrutti Kadam Samata Survase Poonam Jadhav Vaishnavi Vidhate	Sudhir Lande Vinay Nagalkar	E&TC	201921046617	Filed	15/11/2019

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		Shraddha Raje					
9.	Smart Surface Mounting Device	-	Sudhir Lande Vinay Nagalkar	E&TC	201921046621	Filed	15/11/2019
10.	Multipurpose Egg Hatcher Machine	Paigambar Shaikh Shanno Sayyed Uzma Shaikh	Mrs. Jyoti Rangole	E&TC	201921038268	Filed	-
11.	Low Cost Underwater Glider For Scientific Data Aquisition.	Sohel Shaikh. Shubham Kumbhar. Bhupali Nagane.	Mrs. Jyoti Rangole	E&TC	201921038265	Filed	-
12.	Cotton Sowing mechanis M/Machine For Vidarbha Region	-	Sudhir Lande Vinay Nagalkar	E&TC	201721004159	Filed	06/02/2017

Startup Registered

Sr. No	Name of Startup	Name of Student/Faculty
1.	Aeronics Pvt. Ltd.	Aishwarya Phulari
2.	Hatchlogic Electro solutions Pvt. Ltd.	Paigambar Shaikh
3.	Innovatic Pvt. Ltd.	Mosam Bhong
4.	Clover	Akshay Bhujbal Swarali Babar Dr.Vipin Gawande
5.	Byte Electronics	Alok Babar
6.	Renu Electricals	Vaibhav Nagargoje

Project participations in the competition(2023-24)

Computer Engineering:

Sr. No.	Name of Student	Title of project	Competition title and details	Name of Guide
1	Jagtap Maithili Santosh Nale Pranjal Shankar Ghadage Shruti Sanjay Pawar Sakshi Sampat	Whatsapp-botify - A Project on integrating Dialogflow and NLP techniques for Whatsapp Conversations.	Avishkar Zonal Level Project Competition(SPP U)	Dr. C. S. Kulkarni
2	Sapkal Kunal Kotule Shivhari Shinde Rutuja	Food Waste Management	Avishkar Zonal Level Project	Ambole Sir

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			Competition(SPP U)	
3	Jagtap Maithili Santosh Nale Pranjal Shankar Ghadage Shruti Sanjay Pawar Sakshi Sampat	Whatsapp-botify - A Project on integrating Dialogflow and NLP techniques for Whatsapp Conversations.	Hacx - St Fancis College Mumbai	Dr. C. S. Kulkarni

Project Participation in the Competition (2022-23)
Computer Engineering

Sr. No.	Name of students	Competition Title & Details	Title of Project	Name of Guide
1	Gauri Maid	Smart India Hackathon-2022	AI Based Tool to get Information about 5 good institutes based on AISHE	Mr. Rajaram Ambole
2	Maithili Jagtap	Smart India Hackathon-2022	AI Based Tool to get Information about 5 good institutes based on AISHE	Mr. Rajaram Ambole
3	Nishant Kanvate	Smart India Hackathon-2022	AI Based Tool to get Information about 5 good institutes based on AISHE	Mr. Rajaram Ambole
4	Sakshi Pawar	Smart India Hackathon-2022	AI Based Tool to get Information about 5 good institutes based on AISHE	Mr. Rajaram Ambole
5	Sakshi Gadhve	Smart India Hackathon-2022	AI Based Tool to get Information about 5 good institutes based on AISHE	Mr. Rajaram Ambole
6	Jishan Shaikh	Smart India Hackathon-2022	AI Based Tool to get Information about 5 good institutes based on AISHE	Mr. Rajaram Ambole

Training programs /soft skill facility arranged: 2023-24
Computer Engineering:

Sr. No	Name of Training programme	Agency/Trainer	Duration	Participant branch	No. of Participants
1	CPP Programming	Spoken Tutorial IIT Bombay	2 Months	SE Computer	66
2	RDBMS	Spoken Tutorial IIT Bombay	2 Months	TE Computer	73

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3	JAVASCRIPT	Spoken Tutorial IIT Bombay	2 Months	BE Computer	70
4	Java Programming	Spoken Tutorial IIT Bombay	2 Months	SE Computer	78
5	PHP and MYSQL	Spoken Tutorial IIT Bombay	2 Months	TE Computer	74
6	R Programming	Spoken Tutorial IIT Bombay	2 Months	BE Computer	77

**Training programs /soft skill facility arranged: 2022-23
Computer Engineering**

Sr. No	Name of Training programme	Agency/Trainer	Duration	Participant branch	No. of Participants
1	Java Programming	Spoken Tutorial IIT Bombay	2 Months	SE Computer	62
2	BOSS Linux	Spoken Tutorial IIT Bombay	2 Months	SE Computer	57
3	GIT	Spoken Tutorial IIT Bombay	2 Months	SE Computer	63
4	PHP and MYSQL	Spoken Tutorial IIT Bombay	2 Months	TE Computer	68
5	Advanced C++	Spoken Tutorial IIT Bombay	2 Months	TE Computer	60
6	GIT	Spoken Tutorial IIT Bombay	2 Months	TE Computer	51
7	R Programming	Spoken Tutorial IIT Bombay	2 Months	BE Computer	36
8	Advanced C++	Spoken Tutorial IIT Bombay	2 Months	BE Computer	40
9	GIT	Spoken Tutorial IIT Bombay	2 Months	BE Computer	34

**Project participations in the competition: 2022-23
Information Technology:**

Sr. No.	Name of Student	Title of project	Competition title and details	Name of Guide
01	Kokare Ganesh Dhananjay Khomane Pratik Balaso Borawake Tushar Prashant Choudhari Rahul Deepak	Pneumonia Detection using Deep learning	Tarangan Youth Fest 2022-23	Mr. P.M. Patil

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02	Shantanu Payal Shubham Jagtap Pranav Jagtap Aftab Khan	Legal Data Assistive for Law Practitioners using Deep Learning	Tarangan Youth Fest 2022-23	Dr S. A. Takale
03	Telkar Rohit Anilrao Thombare Shubham Anil Kshirsagar Omkar Kishore Zagade Mayur Pandharinath	Prediction of Pedestrian Road Crossing Intention using Deep Learning	Tarangan Youth Fest 2022-23	Mr. K. S. Bhagwat

**Soft Skill program Arranged
Information Technology (2022-23)**

Sr. No	Training Programs	Agency/ Trainer	Duration / Schedule	Participants (Branch)	No of Participants
1	Employability Skill Development (Technical , Communication and Aptitude)	Zensar Technologies Ltd.	30 Days	IT	42

**Project participations in the competition: 2022-23
Electrical Engineering:**

Sr. No.	Name of the student	Competition, Title and Details	Title of project	Name of the Guide
1	Kshirsagar Nishant Sandip Bansode Chetan Satish Davkare Abhijeet Natha	Technical Project Competition at TARANGAN 2023 organised by Vidya Pratishthan , Baramati Dist. Pune on 3rd & 4th March 2023	Design and Development of Electric Machine in EV	Mrs. J.S.Kulkarni
2	Kadam Jyoti Subhash Tat Priyanka Bharat Khude Revati Tanaji	Technical Project Competition at TARANGAN 2023 organised by Vidya Pratishthan , Baramati Dist. Pune on 3rd & 4th March 2023	Impact Analysis of Faults in an Electric Vehicle	Mr. S.D. Shelar
3	Kumbhar Shubham Bapurao Kumbhar Saket Vasant Kulkarni Pranit Bhagyesh	Technical Project Competition at TARANGAN 2023 organised by Vidya Pratishthan , Baramati Dist. Pune on 3rd & 4th March 2023	Design geometry of BLDC Motor	Mr. D. S. Yeole

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4	Khandare Prajakta Vijay Shinde Rutuja Vishwas Shilavane Shardul Prafull	Technical Project Competition at TARANGAN 2023 organised by Vidya Pratishthan , Baramati Dist. Pune on 3rd & 4th March 2023	Design and Development of Adaptive Distance Relays	Mr.S.K.Raskar
5	Mundhe Rushikesh Udhav Desale Shubham Rajendra Apet Saurabh Sunil	Technical Project Competition at TARANGAN 2023 organised by Vidya Pratishthan , Baramati Dist. Pune on 3rd & 4th March 2023	Fabrication of hardware applicable for scheduling the E vehicle charging from charging stations	Mr. R.S. Tarade
6	Kharat Tejas Bharat Gaikwad Aditya Ranjeet Chavan Pratik Vinayak	Technical Project Competition at TARANGAN 2023 organised by Vidya Pratishthan , Baramati Dist. Pune on 3rd & 4th March 2023	Battery measurements and modelling for the State-of- Charge indication algorithm	Mrs. S.D. Rokade
7	Jadhav Poonam Ramchandra Gaikwad Vinod Balawant Rathod Sachin Prakash	Technical Project Competition at TARANGAN 2023 organised by Vidya Pratishthan , Baramati Dist. Pune on 3rd & 4th March 2023	Design and Development of Hybrid/Renewabl e Charging Stations for Electric Vehicles	Mr. P.D.Upadhye
8	Sawant Mandar Sunil Sawant Omkar Manohar Kadam Sakshi Sandeep	Technical Project Competition at TARANGAN 2023 organised by Vidya Pratishthan , Baramati Dist. Pune on 3rd & 4th March 2023	Electric Vehicle Simulation in Simulink MATLAB Helper Blog	Mr. S.D. Shelar
9	Swami Vaibhav Havagi Kulkarni Harshal Uday Khatal Abhinav Sahebrao	Technical Project Competition at TARANGAN 2023 organised by Vidya Pratishthan , Baramati Dist. Pune on 3rd & 4th March 2023	Analysis Of BLDC Motor Characteristics	Mr. D. S. Yeole
10	Kumbhar Rushikesh Dilip Dudhe Ajinkya Abhimanyu Awatade Sachin Ishwar	Technical Project Competition at TARANGAN 2023 organised by Vidya Pratishthan ,	Control Panel Design and Realy Coordination	Mr.S.K.Raskar

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		Baramati Dist. Pune on 3rd & 4th March 2023		
11	Potdar Shraddha Suhas Raut Sakshi Ravindra Ranaware Vaishnavi Ashok	Technical Project Competition at TARANGAN 2023 organised by Vidya Pratishthan , Baramati Dist. Pune on 3rd & 4th March 2023	Applications of Machine learning in Smart grid	Mrs. J.S.Kulkarni
12	Kshirsagar Krishnat Chandraka Yewale Manisha Madhav Pawar Sonali Raju	Technical Project Competition at TARANGAN 2023 organised by Vidya Pratishthan , Baramati Dist. Pune on 3rd & 4th March 2023	Battery Management System Implementation with Passive Control Method	Mrs. S.D. Rokade
13	Sherkar Himanshu Manohar Bankar Nikita Mohan Bagwan Ashraf Nafis	Technical Project Competition at TARANGAN 2023 organised by Vidya Pratishthan , Baramati Dist. Pune on 3rd & 4th March 2023	Solar powered home system (with grid/ Off grid)	Mr. A. B. Akhade
14	Tapish Verma Narate Shrish Santosh Dharwadkar Aditi Deepak	Technical Project Competition at TARANGAN 2023 organised by Vidya Pratishthan , Baramati Dist. Pune on 3rd & 4th March 2023	Solar Powered state of the art Digital Tachometer	Mr. H.M.Shaikh
15	Talke Sagar Appaso Shinde Yashraj Mohan Tamboli Arshad Mansur	Technical Project Competition at TARANGAN 2023 organised by Vidya Pratishthan , Baramati Dist. Pune on 3rd & 4th March 2023	Sensor less permanent magnet Brushless DC Motor Control Strategies	Mr. D. S. Yeole

Project participations in the competition: 2022-23

Civil Engineering:

Sr. No.	Name of students	Competition Title & Details	Title of Project	Name of Guide
1.	Shinde Trupti Sanjay	Technical Project Competition in TARANGAN-23 (3rd March 2023)	Effect of workabilty on strength of geoploymer mortar	Mr. R. R. Khartode
	Mohite Prajakta Sunil			
	Gurudikshit Khajuria			
	Kshirsagar Anurag Anantrao			

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	Kashid Chaitanya Rajkumar		using source materials cured at ambient temperature	
2.	Akash Anil Yadav	Technical Project Competition in TARANGAN-23 (3rd March 2023)	Green Audit of VPKBIET Campus	Dr. N. T. Suryavanshi
	Yashraj Vinay Wable			
	Prajwal Rajendra Shinde			
	Harshvardhan Ganesh Thombare			
	Rahul Anil Wagh			
3.	Anjali Raval	Technical Project Competition in TARANGAN-23 (3rd March 2023)	Effect of Water Quality on Concrete by Partail Replacement of cement with glass powder and egg shell powder	Ms. S. B. Walke
	Tejasvi Randhave			
	Nikhil Jadhav			
	Yashodhan shinde			
	Parthraj Jadhav			
4.	Bagwan Aaman Bakir	Technical Project Competition in TARANGAN-23 (3rd March 2023)	Preparation of Digital Elevation Model (DEM); A Case study of Baramati	Mr. D. G. Patil
	Bhosale Tushar Rajaram			
	Bartakke Omkar Ramesh			
	Gaikwad Omkar Ramesh			
	Barbade Sachin Rajendra			
5.	Aboli Vinayak Sutar	Technical Project Competition in TARANGAN-23 (3rd March 2023)	Investigation of Various Strengthening Techniques For Steel Beam with Web Openings	Dr. S. G. Morkhade
	Unnati Baliram Pandule			
	Mayuri Balaji surwase			
	Anjali Naganath Nale			
	Vaishnavi Vaijinath Nale			
6.	Tarte Sanika Sunil	Technical Project Competition in TARANGAN-23 (3rd March 2023)	Transparent Soil Production And Testing	Ms. P. A. Bokey
	Ingole Akash Narayan			
	Thombare Omkar Mahavir			
	Jadhav kshitija Suresh			
7.	Pawar tejah hanmant	Technical Project Competition in TARANGAN-23 (3rd March 2023)	Study on cost optimization for replacement of VG 30/40 in bituminous concrete by CRMB	Mr. U. T. Jagadale
	Omkar Giri			
	more kundan dhondiba			
	Dhumale Amit vishwanath			
	Jadhav vishal padmakar			
8.	Jadhav Pruthvi Uday	Technical Project Competition in TARANGAN-23 (3rd March 2023)	Assessment of planner frames subjected horizontal and vertical ground motion	Mr. D. D. Ahiwale
	Mengade Pavan Vilas			
	Padule Saurabh Saudagar			
	Kadam Sourav Sopan			
	Kashid Aditya Bhimrao			
9.	Nimbalkar Vaibhav Santosh	Technical Project Competition in TARANGAN-23 (3rd March 2023)	Planning and Design of Water Distribution System Manually and using E-Panet 0.2 Software for Tavadi Villege Tal. Phaltyan	Dr. N. T. Suryavanshi
	Gunge Sourabh Anil			
	Nikam Ajay Kalyan			
	Mane Janhavi Manoj			
10.	Mahadik Tejas Nitin	Technical Project Competition in TARANGAN-23 (3rd March 2023)	Structural Performance of Ferrocement Beams using waste fibers	Dr. G. N. Narule
	Choudhar Chaitanya Nana			
	Sherkar Abhishek Rajesh			
	Sapkal Himanshu Lalaso			
	Mane Tejas Yashwant			
11.	Prasad mohan Ghodake	Technical Project Competition in	Design of Water Supply Scheme for	Dr. R. J. Patil
	Swapnil sunil jadhav			

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	Rupesh vilas choudhar Shivam mohan deokate Dushant Shrama	TARANGAN-23 (3rd March 2023)	Newly merged Lohgaon and Wagholi Village in Pune Municipal Corporation	
12.	Hole Divyesh Ramdas Kolhe Harshwardhan Vilas Nabge Tejas Ganpat Hire pratik prashant	Technical Project Competition in TARANGAN-23 (3rd March 2023)	Land Use Land Cover (LULC) change detection using Remote Sensing Images	Mr. D. G. Patil
13.	Sapkal Dhanashri Tanaji Birajdar Ritesh Madhav Bhosale Indrajeet Mahendra Bhoge Rushikesh Tulshidas	Technical Project Competition in TARANGAN-23 (3rd March 2023)	Analytical Study of land use, Land cover by GIS for Pune City	Ms. J.C. Bhong
14.	Khirsagar Neha Pravin Jawale Dipti Dattatraya Ghongade Pratiksha balu Yadav Samruddhi Sanjeev Satpute Suraj Vijay	Technical Project Competition in TARANGAN-23 (3rd March 2023)	Optimization of Bitumen Content by CRMB Bituminous Pavement using PYTHON	Dr. C. B. Nayak
15.	Rajewar Vaibhav Motiram Surve Sayali Dilip Darade Virhdawal Dadasaheb Atole gomteshwar Ramchandra	Technical Project Competition in TARANGAN-23 (3rd March 2023)	Effect of Different Position of Mix Steel Fibre and Mechanical Lathe Scrap on Strength of Concrete	Mr. A. M. Gaikwad
16.	Sanket Patil Sanket Holkar kadam kalyani santosh Aishwarya Yashwant Naiknaware Sejal Shilpesh Waghmode	Technical Project Competition in TARANGAN-23 (3rd March 2023)	Effect of Use of Natural Fibre on Expansive Soil	Ms. P.A. Bokey
17.	Patil Rahul Shivaji Pawar Omkar Somnath Chavare Tejas Bharat Dound Saurav Balasaheb Yadav Pooja Kanhaiyalal	Technical Project Competition in TARANGAN-23 (3rd March 2023)	Effect of pH and Alkalinity on the removal of Turbidity	Dr. R. J. Patil
18.	snehal gholap Abhijeet Deshmukh Aftab Shaikh Kanhaiya kothakar Ritesh chavan	Technical Project Competition in TARANGAN-23 (3rd March 2023)	Application of ferrocement members made up of self compacting concrete	Mr. A. M. Gaikwad
19.	Sanjyot sampat kamble Priti Shivaji Parkhe Avanti Amar Bhosale Ujjwala Govind Nagargoje Aishwarya Vilas Durande	Technical Project Competition in TARANGAN-23 (3rd March 2023)	Post buckling behaviour of steel plate girder subjected to shear force	Mr. D. D. Ahiwale
20.	Avinash Kokane Abhishek Sangale Yashraj Manedeshmukh	Technical Project Competition in TARANGAN-23 (3rd March 2023)	Structural Performance of Ferrocement slabs using Forta fibers	Dr. G. N. Narule

Project participations in the competition: 2022-23
Mechanical Engineering:

Sr. No.	Name of students	Competition Title & Details	Title of Project	Name of Guide
4.	Mr. Akshay U. Budhabal	Impetus and Concepts- March -2022	Augmented Reality App for Engineering Graphics	Dr. Vipin B. Gawande
5.	Mr. Akshay U. Budhabal	Ideation of Startups at IIT Kanpur- 5 th -6 th November-2022	Cost Effective 3D Printer for Everyone	Dr. Vipin B. Gawande

National Conference /Workshop/seminar/ Lecture /soft skill programme /training arranged (2021-22, 2020-21, 2022-23)

Electronics and Telecommunication Engineering Department:

Sr. No	Name of Conference/seminar/workshop/Guest lecture and details	Scheduled date	Organizer	Participation
1	National Conference on Recent Trends in Technology	29 th to 30 th August 2022.	E&TC Engineering Department and ISTE	30
2	“Recent Trends and opportunities in Telecommunication Industries” Conducted by Mr. Amol Shinde, Quality Assurance TECH Lead (Engineering) Cisco Systems Ltd.	25 th Sept. 2021	E&TC Engineering Department and ISTE	50
3	PCB layout Design	27sept. 2020	E&TC Engineering Department and ISTE	56

Project participations in the competition: 2020-21 and 2022-23
Electronics and Telecommunication Engineering Department

Sr. No.	Name of students	Competition Title & Details	Title of Project	Name of Guide
1	Paigambar Shaikh	Atal Incubation Centre At Agricultural Development Trust Baramati	Multipurpose Egg Hatching System	Dr. Jyoti Rangole
2	Kanchan Rajguru Shubhangi Pawar	IETE, Pune Centre Innovation 2019 Project Competition	Smart Energy Meter	Dr. Jyoti Rangole
3	Ms. Apurva Jagtap Ms. Pratiksha Gawali Mr. Vajjnath Khomane Mr. Rohit M. Gandhi	India International Science Festival 2021 held in Goa	Smart Helmet	Dr. Vinay Nagalkar

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4	Disha surana Vaishali sapate	Technical Project Competition in TARANGAN-23 (3rd March 2023)	Hospital Management System	Dr. B.H. Patil
5	Rahul Talekar Gauri Wable Prajakta Yele Poonam Deshmukh	Technical Project Competition in TARANGAN-23 (3rd March 2023)	Non-Invasive Human Vein Detector	Dr. B.H. Patil
6	Ajay Narale Aditya Nimbalkar Shubham Sarode	Technical Project Competition in TARANGAN-23 (3rd March 2023)	Viticulture Rover	Dr. B.H. Patil
7	Ajay Narale Gajendra Harnawala Yuraj More Patil	Technical Project Competition in TARANGAN-23 (3rd March 2023)	Fertilization Rover	Dr. R.K. Shastri
8	Ajay Narale Dipti Choudhari Gauravi Deshmukh	Technical Project Competition in TARANGAN-23 (3rd March 2023)	Surveillance Drone system	Dr. R.K. Shastri
9	Vidya Ghogare Suraj Gharmalkar	Technical Project Competition in TARANGAN-23 (3rd March 2023)	Identification of Mediacal plant by using Drone and Image	Dr. R.K. Shastri

Startup Registered(2021-22)

Electronics and Telecommunication Engineering Department:

Sr. No	Name of Startup	Name of Student	Mentors
1	Aeronics Pvt. Ltd.	Aishwarya Phulari	Mr. Mahadeo Gaikwad (BYST Chapter Chairman Baramati) & Jyoti Rangole
2	Hatchlogic Electrosolutions Pvt. Ltd.	Paigambar Shaikh	
3	Innovatic Pvt. Ltd.	Mosam Bhong	

Product Development(2021-22)

Electronics and Telecommunication Engineering Department:

Sr. No	Product	Name of Student	Department
1	Automatic sugarcane bud detection and cutting machine	Aishwarya Phulari, Anuj Fulari, Shubham Kumbhar, Amol Pawar	ENTC
2	Multipurpose egg hatcher	Paigambar Shaikh	
3	Smart sanitization systems	Mosam Bhong	

Patent Applied (2021-22)**Electronics and Telecommunication Engineering Department**

Sr. No.	Title	Name of Faculty	Department	Application No.	Status	Date
1	Multipurpose Egg Hatcher Machine	Dr. J. S. Rangole	Electronics and Telecommunication	201921038268	Published	26/03/2021
2	A system for automatic detection of oxygen mask removal	Dr. J.S. Rangole	Electronics and Telecommunication	202121032898	Applied	2/7/2021

Proposal Submitted to YUKTI-2(2020-21)**Electronics and Telecommunication Engineering Department**

Sr. No	Name of Proposal	Faculty name
1	Automatic Sugarcane Cutter with Bud Detection	Dr. Sudhir Lande
2	'Rakshak' Innovative Antitheft System for Electric Motor Pump	Dr. Sudhir Lande
3	'Distasafe' An Innovative Low Cost Device for COVID 19	Ms. Sonal Nikam
4	Intelli-Pill Cue Case for Geriatric Health Care Assistance	Mr. Shashank Biradar
5	Voice Controlled Wheel Chair	Mr. Shrikrishna Kolhar
6	Innovative System for Home Automation	Mr. Rohit Piske
7	Innovative Smart Suit with Heating Mechanism	Dr.V.J.Nagalkar
8	Tomato Plucking Robot	Dr. Balasaheb Patil
9	Aircraft Detection	Mr. Premanand Kadbe
10	Future Vision System for Medical Expert	Mr. Devidas Kushnure
11	RF Energy Harvesting System	Mr. Madan Jadhav

Project participations in the competition: 23-24**First Year B.Tech.**

Sr. No.	Name of Student	Title of project	Competition title and details	Name of Guide
1	Sarthak Dattatray Baravkar Shreya Sunil Sable Omkar Ramesh Malav Sarthak Satish Hole Sahil Sandip Bhapkar	Smart thermal boot for soldiers in extreme cold environment.	Smart India Hackathon-2023	Mrs. Jyoti Kulkarni and Dr. Vipin B. Gawande
2	Shriyash Vijay Dhole Rohan Jotiram Yadav Tejas Manohar Mane Subhashita Kiran Jagtap Shravani Ashok Ingale Vedika Vinit Bhandare	Voyager : It works in travel and tourism, and also helps local people to improve there business.	Smart India Hackathon-2023	Ms. Aditi A. Ingale and Dr. Vipin B. Gawande
3	Om Anil Kale. Prathamesh Santosh Bandewar Asad Imamoddin Shaikh Jeenisha Sanjay Bhutekar Sanskruiti Vijay Lonkar Payal Dilip Gawade	"SubstationBot: Your 24/7 guide to expert substation maintenance queries. Get answers instantly."	Smart India Hackathon-2023	Devika V. Mehta and Dr. Vipin B. Gawande
4	Radhesham Vitthal Nagulkar Tilak Satish Luniya Kapil Pravin Marathe	Renewable / Sustainable Energy	Smart India Hackathon-2023	Mr. Rounak Thorat and Dr. Vipin B. Gawande

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	Sakshi Santosh mane Shreenesha Uday Mandhare Vaishnavi Vijay Khalate			
5	Satvik S. Rokade Kaveri M. Sharma Sae J. Patil. Harsh S. Ainchwar Rajat A. Bawane Piyush R. Wath	Ideate and Implement a system to enhance the quality of education in rural areas.	Smart India Hackathon-2023	Nikita Shah and Shrikant Dhage
6	Rujuta Satishrao Shinde Sunny Sunil Khartode Abhishek Prakash Tiwari Suraj Sachin Sangale Rutuja Devanand Soundale Komal Shrinivas Tondwal	Coding and Programming	Smart India Hackathon-2023	Mr. Rounak Thorat and Dr. Vipin B. Gawande
7	Rania Iliyas Sanadi Samarth Shrikant Mantri Apurva Nitin Kulkarni Onkar Rajendra Patil Tauqeer Hasim Khwaza Prem Anil Kadam	A mobile app that crowd sources water-related problems from around a community, open sources data, etc. and display them on a map.	Smart India Hackathon-2023	Shriyash Jagtap and Dr. Vipin B. Gawande
8	Dhamal Niraj Anil Saste Aniket Appaso Kumbhar Sanket Sanjay Khedekar Gauri Arun Katkar Shweta Satish Kalgaonkar Pranita Anil	Modern Garbage Segregation Vehicle(MGSV)	Smart India Hackathon-2023	Mr. Rounak Thorat and Dr. Vipin B. Gawande
9	Vedika Atul Kulthe	New Age Technology Show	9th Indian International Science Festival-2023	Mr. D. S. Sonawane

**Project Competition participation 2022-23
First Year Engineering.**

Sr. No.	Name of Student	Title of project	Competition title and details	Name of Guide
1	Rounak Satish Thorat	Animatronic Eye (Robotic Eye)	National level Project Competition 2022-23	Dr. V. B. Gawande

**Soft Skill Program arranged- 2022-23
First Year Engineering Department**

Sr. No	Training Programmes	Agency/ Trainer	Duration / Schedule	Participants (Branch)	No of Participants completed the course
1	Effective English Communication	Dr. A. B. Patil	01 day (18 5th November 2022)	FE Students	350

Patent Applications
First Year Engineering Department

Sr. No.	Title	Name of Faculty	Department	Application No.	Status	Date
1	Design of framework to trace/detect unusual financial transactions using machine learning	Dr. A. S. Disale	Computer engineering	202241046896	Awaiting Request for Examination	26/08/2022
2	Intelligent Multiple Regression Analysis in Agriculture: Crop Productivity, Rainfall, Fertility, Humidity, Temperature Using Machine Learning	Mr. D. S. Sonawane	Artificial Intelligence and Data Science	202121021761	Published	2/7/2021

Product Development(2020-21)
First Year Engineering

Sr. No	Product	Name of Student	Department
1	3D-Printer	Akshay Uday Budhabal Ms. Swarali Sanjay Babar	FE

Best Practices:

First Year Engineering Department

- Monitoring attendance of students and displaying monthly attendance on notice board and communicating to parents on whatsapp group. Identifying defaulter students and take follow-up with them by Mentor teachers and class teachers.
- Appreciating university and internal exam toppers during parents meet and FE Inaugural functions.
- Conducting internal audits and students mid sem and end Sem feedback for improvements of teaching and learning and suitable remedial actions.
- Organizing expert talks on 'Professional Ethics and Personality Development', Nirbhay kanya karyashala training for girl students for self defence.
- Conducting Induction programme for FY Students at entry level and in second semester.
- Effective mentoring system, assignment of one teacher as a mentor for a batch of 23 students.
- Providing E-contents such as Video lectures prepared by faculty with individual You-Tube channels, question banks, notes, etc., on google classroom.
- Awarding Best class for the best FY division to enhance team culture
- Appreciations of students and teachers for their achievements.
- Organized Poster presentation on "Indian Knowledge System" for FY students-under NEP (first batch)
- Conducting Physical education practical's (newly added practical exam based subject under NEP) - Sports and Yoga in the morning hours from 7.00 to 9.00 am.
- Arranging Guest lectures on Vedic Mathematics under Indian Knowledge System.

13. Arranged Yoga session on importance of Surya Namaskar for FY students .
14. Celebrating Engineers day, Teachers day and conducting various activities like poster Presentations, Debate competition, Video/PPT making, etc.

Best Practices in the Computer Engineering Department:

1) Google Classrooms:

Goal :

To provide a uniform way of distributing/sharing notes, files, assignments between main stakeholders, teachers and students. It also aims to enhance and speed up the way of creating, sharing and assessing tests.

Implementation :

Google classroom effectively manages the student-teacher interaction via sharing of notes, assignments, tests and respective evaluation. Google classroom is created per class. All faculty were invited to join the classroom for posting notes, assignments and schedule tests. It allows teachers to make announcements, ask questions and field student responses in real-time.

Output:

Communication between faculty and students has been regularized and improved.

2) Online Certification Courses (NPTEL, Coursera, edX):

Goal :

To make available teaching/learning content of high quality so that students will be more competent to get better job opportunities as well as improve their skill set.

Implementation :

Students and faculty registers for interested NPTEL/coursera/edX courses. Distinguished professors from IITs, universities and Industries deliver content of course through video lectures. Online certification facility is provided at the end of successful completion of the course.

Output:

Faculty and students are exploring cutting edge domain areas. They strengthened their profile with elite and gold certificates. NPTEL courses are considered as FDP

3) Spoken Tutorial Courses :

Goal :

To increase the literacy about free and open Source Software among students.

Implementation :

Spoken tutorial courses are mapped to corresponding practical. Students listen to these video lectures during lab sessions and leisure time. Online exam is scheduled after one month from the start of course.

Output :

Both stakeholders have started the use of FOSS software in their daily work.

4) Student Mentoring

Goal :

To have communication between Faculty and Students. To make students comfortable in their daily routine.

Implementation :

A Batch of 15 to 20 students is allocated to the Faculty. Faculty conducts meetings of these students once a week preferably on the starting day of week. In meetings, students can discuss their problems with the mentor and the mentor will try to get a solution for it. Mentors will keep track of these students' progress about attendance, exam performance, and achievements. Same progress is communicated to their parents. If required, mentors can conduct parents meetings also.

Output :

Hassle free environment is created among the students and faculties.

5) Use of Plagiarism tool

Goal :

To enhance ethical and moral values amongst the students.

Implementation:

We use a licensed plagiarism tool, Turnitin, for checking the plagiarism of the students' research papers, review papers, project reports and seminar reports. Department has the policy that the contents should have a plagiarism score of below 20% for the approval of these documents.

Output:

Students understand the importance of ethics and moral values in their professional life.

6) Virtual Labs

Goal:

1. To provide remote-access to simulation-based Labs in various disciplines of Science and Engineering.
2. To enthuse students to conduct experiments by arousing their curiosity. This would help them in learning basic and advanced concepts through remote experimentation.
3. To provide a complete Learning Management System around the Virtual Labs where the students/ teachers can avail the various tools for learning, including additional web-resources, video-lectures, animated demonstrations and self-evaluation.

Implementation:

This student-centric approach facilitates the absorption of basic and advanced concepts through simulation-based experimentation. Internet-based experimentation further permits use of additional web-resources, video-lectures, animated demonstrations and self-evaluation. Virtual labs are any place, any pace, any-time, any-type labs. It is a paradigm shift in student-centric, online education.

Output:

Virtual Labs project addresses the following:

- Access to online labs to those engineering colleges that lack these lab facilities
- Access to online labs as a complementary facility to those colleges that already have labs
- Training and skill-set augmentation through workshops and on-site/ online training

Best Practices in the Information Technology Department:

1. Effective utilization of FOSS, NPTEL, Coursera, EdX, Udemy courses by faculty and students
2. Final Year Students publish their project work in International Journals.
3. Well Formulated Rubrics are used for Systematic and Timely Evaluation of Final Year Projects.
4. Faculty and students participation in GATE exams.
5. Strong alumni- students are placed in India and abroad in various well known IT industries Microsoft, Yahoo, Oracle, HP etc. and alumni conducts the interactive sessions for the students.
6. Active participation of students in social events, Industrial visits and department technical and non-technical activities.
7. Faculties are motivated to get involved in Research work.
8. ERP system is utilized effectively for attendance maintenance purposes.
9. The department has a Timely monthly Attendance Record preparation and student communication system.
10. Faculties are actively involved in University Examination work such as Paper setting and evaluation process.
11. Our department continuously evaluates students' performance by analyzing unit tests, preliminary examination, assignments and oral examinations.
12. Our department Students participate in different activities such as seminars; group discussion sessions, technical events, poster presentation, quizzes and coding programs. These are conducted by respective course teachers. Report of these activities gives the data about learning outcomes achieved by students and the same is analyzed.
13. Evaluation of students' performance in general aptitude test at the time of placement. On the basis of result analysis remedial action is taken for weak students in the following manner.
14. Extra lectures are conducted for special guidance, Monitoring of students' performance, providing theory question banks, summary of units and multiple-choice questions.
15. Feedback of students is collected twice during semester for needful improvements.
16. We provide Concept Test to students on all units.
17. Continuous evaluation of practical's in laboratory.
18. Practical Mock test and remedial measures for defaulters.
19. Class tests, preliminary examinations, mock online tests, assignments, viva are conducted at regular interval to evaluate the technical knowledge gained by students in particular subjects.
20. Google Classroom is maintained by every subject teacher to provide access to study material.

Best Practices in the Artificial Intelligence and Data Science Department:

1. Project based Learning.
2. ICT enabled Classroom.
3. Mock Practical/Oral Examinations before university exams.
4. Industry Oriented Teaching Learning methods.
5. Students peer learnings.
6. Various activities through students association (SAAD).

Best Practices in the Electronics and Telecommunication Engineering Department:

- 1 NPTEL Courses for students and faculty.
2. Faculty involvement to provide support for GATE preparation.
3. Teaching –Learning process implementation through Google classroom and senses board.
4. Faculty and student involvement in patent preparation and filing.
5. Involvement of student association in various technical activities.
6. Faculties & students are encouraged to appear in online certification courses like NPTEL, Udemy, & EDX
7. Institute rewards the toppers of each class in annual functions.
8. Free and Open Source (FOSS) Spoken tutorials access is provided to departmental students.
9. Expert talk by Alumni of department on current trends in the industry.
10. Industry visits are organized for the students to make them aware of recent technology
11. Technical festivals are organized for the students to inculcate the management skill among the students

Best Practices in the Electrical Engineering Department:

1. Regular Industrial Visits
2. Expert talks
3. Industrial training program during summer and winter vacation
4. Students association ELESA for their overall development
5. GATE Classes
6. NPTEL/Coursera/MOOC/MATLAB/Spoken Tutorial courses
7. Monthly Activity Reports

Best Practices in the Mechanical Engineering Department:

1. Developing innovative approaches in learning and teaching as appropriate. (Quizzes, Flip classroom, Video lectures, Puzzles, etc
2. Development of skills of the students by conducting skill based workshops courses like 3D printing, Solid work software etc
3. Arranging Expert/Invited talks from the industry expert person to deliver the lectures by fulfilling the curriculum gap within the subject area as required.
4. Mentoring a group of students, to improve academic performance of the students by identifying barriers to learning
5. Experiments conduction through Virtual labs to provide remote-access to Laboratories in various subjects of mechanical engineering for students
6. Motivation to Students to avail the various tools for learning, including additional web-resources, video-lectures, animated demonstrations and self-evaluation

Best Practices in the Civil Engineering Department:

1. Online Certification Courses (NPTEL, UDEMY, COURSERA):

Goal: To excel students in fundamental knowledge of the Civil Engineering subjects through online courses from reputed Institutes.

Implementation: Students and faculties register for online courses on NPTEL, UDEMY and COURSEERA. Renowned professors from IITs and Industries deliver content of course through video lectures. Online certification facility is provided at the end of successful completion of the course.

Output: Various areas of Civil Engineering are in depth explored by faculties and students.

2. Research Paper Publications

Goal: To encourage faculties/students to present research papers in International/National Journals/Conferences.

Implementations: Faculties/Students are encouraged to present their research work in reputed Journals/Conferences. Furthermore, apart from presenting research papers in reputed journals/conferences, every year post graduate students present their M. E. dissertation work in Post Graduate Conference (PGCON) organized by Savitribai Phule Pune University to showcase their strengths and knowledge.

Output: Faculties/Students started to contribute to research.

3. Student Mentoring

Goal: To understand a student's academic/personal problems and suggest possible solutions.

Implementation: A batch of 15 to 20 students is allocated to faculty in the department. Faculty conducts meetings of these students once a week. In meetings, students discuss their problems with the mentor and mentor to give the best possible solution for it. Furthermore, a mentor also uses to keep track of attendance, university examination performance and achievements of his/her mentees and the same are communicated to their parents. If required, the mentor conducts parents meetings also.

Output: Students get best possible ways through discussion with mentors to solve their academic/personal problems.

4. Awards to Faculties and Students

Goal: To encourage Faculties and Students to perform best in academics.

Implementation: Awards are given to faculties and Students in following categories.

1. Class toppers are awarded with Certificate of Appreciation.
2. Faculties with 100% result for their subjects are felicitated with mementos.

Output: Increase in overall academic performance of the students.