MANDATORY DISCLOSURE

VPKBIET

Vidya Pratishthan's

KAMALNAYAN BAJAJ INSTITUTE OF ENGINEERING & TECHNOLOGY, BARAMATI

(Formerly Vidya Pratishthan's College of Engineering)

NAAC 'A+' Grade Institute

Contact Details:

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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.

10.1	**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		2022-23 (Vide AICTE letter No.: F.No. Western/1-10975887356 2022/EOA dated 02-06-2022)
Type of Institution	:	Private-Self Financed
Category (1) of the Institution	:	Non-Minority
Category (2) of the Institution	:	Co-Education

10.2	Name and address of the Trust/ Society/ Company and the	:	Vidya Pratishthan, Baramati
	Type of the organization	:	Society and Trust
	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
10.3	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 2019-20 Vide university letter Ref. No.: CA/744 dated 16/05/2020

10.5 Governance

Members of the Board and their brief background

Sr. No.	Name	Designation
1	Shri. Sharadchandra Govindrao Pawar	President, Vidya Pratishthan
2	Shri. Ashok Vasudev Prabhune	Vice President
3	Shri. Yugendra Shrinivas Pawar	Treasurer
4	Adv. Neelima Vinodkumar Gujar	Secretary
5	Shri. Ajit Anantrao Pawar	Trustee
6	Sou. Supriya Sadanand Sule	Trustee
7	Sou. Sunetra Ajit Pawar	Trustee
8	Shri. Vitthal B. Maniyar	Trustee
9	Shri. Balasaheb Patil Taware	Member
10	Dr. Rajiv Motilal Shah	Member
11	Shri. Kiran Babanrao Gujar	Member
12	Shri. Mandar Shrikant Sikachi	Member
13	Dr. Ajeet Singh	Director, WRO, Mumbai
14	Dr. Abhay Wagh	Director, DTE, Mumbai
15	Dr. Manohar Chaskar	Dean - Faculty of Science & Technology
16	Dr. S.B. Lande	Vice Principal
17	Dr. S. G. Morkhade	Asst. Prof. Dept.- Civil Engg.
18	Dr. R.S. Bichkar	Principal, VPKBIET Baramati

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. **Shri. Yugendra Shrinivas Pawar**   **Treasurer**

Work Profile: He is a finance and insurance graduate from North Eastern University, Boston, USA. He leads many Industries as director.

4. **Adv. Neelima Vinodkumar Gujar**   **Secretory**

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.

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

Work Profile: He is the current Opposition Leader of Maharashtra Legislative Assembly . He was Minister in Maharashtra State government for the last 17 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.

6. **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.

7. **Sou. Sunetra Pawar**   **Member**

Work Profile: Mrs. Pawar founder of Environmental Forum of India,, NGO in 2010, a mentor in inculcating the concept of ECO-VILLAGE in India. She also chairs Baramati Hi-Tech Textile Park. She led the Self-help group movement on NIRMAL GRAM(CLEAN VILLAGE) Campaign in 86 villages in Maharastra state .

8.   **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

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
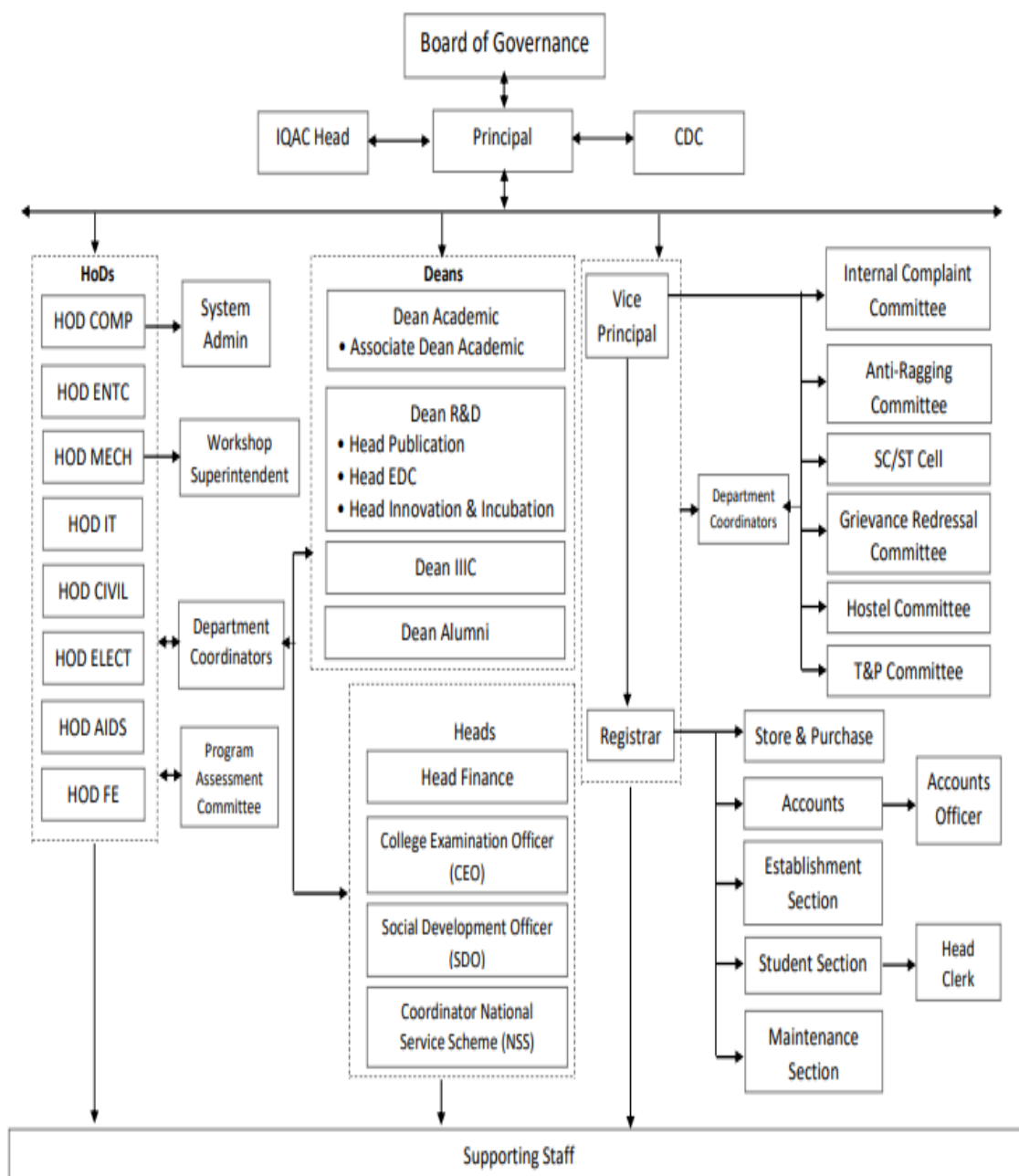
HOD's, staff and accountant. The purchases of equipment and consumables are done as per budget provisions with the help of stores and accounts. IQAC works in feedback path to improve Institute performance on quality parameters.

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 were 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 activitie
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 Scince VPKBIET)	Representative – Faculty	Member
7	Mr. Somnath Bhanudas Chaudhar (Student Parent)	Representative – Parent	Member
8	Mr. Hole Divyesh Ramdas (BE-Civil)	Representative Student – BE	Member
9	Miss. Pooja Sanjay Mane-Deshmukh (FE)	Representative Student – FE	Member
10	Mr. Taware Satish Haribhau (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	Mr. D.S. Sonwane	Member
3	Mr. H.P. Borate	Member
4	Mrs. S.R. Deshmukh	Member
5	Miss. Rajashree Mane	Special Invitee

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	

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	Prof. Premanand Kadbe	Coordinator
2	Prof. Vishal Bhagwat	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	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
4	Dr. V.C. Todkari	Assistant Professor, Mechanical Engg.	IQAC Co-Coordinator
5	Mr. S.S. Dandvate	Account officer	Member
	Dr. S.B. Lande	Professor, E&TC Department and Vice Principal	
	Dr. R.K. Shastri	Dean R&D	
	Dr. A.P. Hiwarekar	Dean Academic	
	Dr. D.B. Hanchate	Dean IIC	
	Dr. P.R. Chitragar	Dean Alumini	
	Dr. C.S. Kulkarni	Associate Professor and Head of Comp. Engg.	
	Dr. S.S. Takale	Professor and Head of Info. Technology	
	Dr. Chittaranjan Nayak	Associate Professor and Head of Civil Engg.	
	Dr. B.H. Patil	Assistant Professor and Head of E&TC	
	Mr. R.S. Tarde	Assistant Professor and I/C Head of Electrical Engg.	
	Mr. R.S. Tarde	Assitant professor , I/C Head Electrical Engg.	
	Dr. Aparana Sajjan	Associate professor and Head of First Year Engg.	
	Mr. V.U. Deshmukh	Assistant Professor , E&TC Engg.	
	Mr.D.M. Padulkar	Assistant Professor, Comp. Engg.	
	Mr. Shivanand Mane	HR and Admin Piaggio Vechles	
	Mr. Nagesh Shahane	Employer walchandnagar Industries Ltd.	
	Mr. D.S. Jamdar	Presedent , Baramati Chember of commerce and Industry.	
	Mr. P.B.Taware	NGO member Social Worker.	
	Mr. A.S. More	Parent	
	Mr. Abhishek Bhor	Student	

10.6 Programmes

Under Graduate

S.No.	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 1dated 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 1dated 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 8-11-2010	Sankirn-2010/(188/2010)/ Tanshi-4 dated 30-7-2010	CA/295 dated 31-1-2011
7	Artificial Inteligence and Data Science	2020	F.No. Western/1-7006963201/2020/EOA dated 15-06-2020	TEM 2020/102 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 Inteligence and Data science	2021-22	F.No. Western/1-931993709/2021/EOA date: 25/06/2021	टीईएम-2020/प्र.क्र.102/तांशि-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/तांशि-४ dated 13-08-2020	CA /667 dated: 21/06/2021

- Name of courses Accredited by NBA   :   Computer Engg. and Mechanical Engg.
- Status of Accreditation of the Courses   :   NAAC A+

- Total number of Courses : **10**
- No. of Courses for which applied for Accreditation : **1**
- Status of Accreditation – Preliminary/ Applied for : Applied for SAR
  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:	2022-23		2021-22		2020-21	
	UG	PG	UG	PG	UG	PG
No. of Seats (Intake)	60	_	60	18	60	18
Duration	4 Yrs	-	4 Yrs	2 Yrs	4 Yrs	2 Yrs
Actual Admitted in FE	68	-	69	0	71	1
Cut off marks/rank of admission during the last three years	91.48	NA	89.81	NA	86.17	NA
Fees	99165	57168	98801	56834	97519	71272
Placement Facilities	Available	-	Available	Available	Available	Available
Campus placement in last three years	36	NA	59	NIL	63	NIL
Average Salary (Lakh per Anum)	4.7	NA	4.1	NIL	4	NIL
Maximum Salary(Lakh per Anum)	7	-	7.5	Nil	7.5	NIl
Minimum Salary(Lakh per anum)	3.36	-	3.25	Nil	2.16	NiL

Information Technology:	2022-23	2021-22	2020-21
	UG	UG	UG
No. of Seats (Intake)	60	60	60
Duration	4 Yrs	4 Yrs	4 Yrs
Year wise Actual Admissions in FE	68	67	70
Cut off marks/rank of admission during the last three years	89.24	87.25	78.31
Fees	99165	98801	97519
Placement Facilities	Available	Available	Available
Campus Placement in Last threeyears	24	54	50
Avrage Salary (Lakh per anum)	3.8	4	3.9
Maximum salary (Lakh Per anum)	6	4.71	10
Minimum Salary (Lakh Per anum)	2.4	3.3	2.16

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Electronics & Telecomm. Engineering:	2022-23	2021-22		2020-21	
	UG	UG	PG	UG	PG
No. of Seats (Intake)	60	60	NA	60	NA
Duration	4Yrs	4 Yrs	NA	4 Yrs	NA
Year wise Actual Admissions in FE	67	68	NIL	59	NA
Cut off marks/rank of admission during the last three years	77.63	72.46	NA	63.7	NA
Fees	99,165	98801	NA	97,519	NA
Placement Facility	Available	Available	Available	Available	Available
Campus Placements in Last Three Years	25	52	NIL	68	NIL
Average salary in Lakh Per anum	4.1	4	NIL	3.8	NiL
Maximum Salary in Lakh Per anum	6	6.5	NIL	4.5	NiL
Minimum Salary in Lakh per anum	3	2.3	NIL	2	NIL

Mechanical Engineering:	2022-23		2021-22		2020-21	
	UG	PG	UG	PG	UG	PG
No. of Seats (Intake)	60	18	60	18+18	60	18+18
Duration	4Yrs	2Yrs	4 Yrs	2 Yrs	4 Yrs	2 Yrs
Year wise Actual Admissions in FE	66	1	51	NIL	45	NIL
Cut off marks/rank of admission during the last three years	57.72		45.17	NA	47.58	NA)
Fees	99,165	57168	98,801	71,272	97,519	71,272
Placement Facilities	Available	Available	Available	Available	Available	Available
Campus placement in last three years	9	NIL	43	NIL	36	NIL
Average Salary per anum	3.83	NIL	3.6	NA	3.41	NA
Maximum Salary in Lakh per anum	4.01	NIL	4.01	NA	4.5	NA
Minimum Salary in Lakh per anum	2.4	NIL	1.8	NA	1.77	NA

Civil Engineering:	2022-23		2021-22		2020-21	
	UG	PG	UG	PG	UG	PG
Name of Course						
No. of Seats (Intake)	60	18	60	18	60	18
Duration	4Yrs	2Yrs	4 Yrs	2 Yrs	4 Yrs	2 Yrs
Year wise Actual Admissions in FE	57	12	40	11	54	19
Cut off marks/rank of admission during the last three years	36.16		32.2	8.98(structural engineering)	46.89	20.06(structural Engineering)
Fees	99,165	57168	98,801	71,272	97,519	71,272

Placement Facilities	Available	Available	Available	Available	Available	Available
Campus placement in last three years	6	NIL	19	NIL	18	NIL
Average Salary in Lakh per anum	4.01	NIL	3.46	NIL	5.1	NIL
Maximum salary in Lakh per anum	4.01	NIL	4.01	NIL	10	NIL
Minimum salary in Lakh Per anum	4.01	NIL	2.28	NIL	1.44	NIL

Electrical Engineering:	**2022-23**	**2021-22**	**2020-21**
	UG	**UG**	**UG**
No. of Seats (Intake)	60	60	60
Duration	4Yrs	4 Yrs	4 Yrs
Year wise Actual Admissions in FE	62	58	55
Cut off marks/rank of admission during the last three years	54.52	45.17	7.92
Fees	99,165	98,801	97,519
Placement Facilities	Available	Available	Available
Campus placement in last three years	17	35	37
Average salary in Lakh per anum	3.8	3.7	3.44
Maximum salary in Lakh Per anum	5.75	4.5	5
Minimum salary in Lakh Per anum.	2.4	2.7	1.2

Artificial intelligence and Data Science	**2022-23**		**2021-22**		**2020-21**
	UG	**PG**	**UG**	**PG**	**UG**
No. of Seats (Intake)	60	18	60	18	NA
Duration	4Yrs	2 Yrs	4 Yrs	2Yrs	NA
Year wise Actual Admissions in FE	68	01	68	04	NA
Cut off marks/rank of admission during the last three years	87.25		79.78	8.09	NA
Fees	99,165	57,168	98,801	56,834	NA
Placement Facilities	Available	Available	Available		Available
Campus placement in last three years	NA	NA	NA		NA
Average salary in Lakh per anum	NA	NA	NA		NA
Maximum salary in Lakh Per anum	NA	NA	NA		NA
Minimum salary in Lakh Per anum.	NA	NA	NA		NA

10.7 Faculty

- Branch wise list Faculty members : Faculty List is available on college web Portal of respective Department.

- Permanent Faculty : 75

- Adhoc Faculty : 24

- Total Faculty : 99

- Adjunct Faculty : 0

- Faculty Student Ratio: : 1:21 (Approved faculty : student ratio = 1:28)

- Number of Faculty left during last three years (2022-23,2021-22,2020-21) : 40

10.8 Profile of Vice Chancellor/ Director/ Principal/ Faculty

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, Titie 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

10.9 Fee

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

	Undergraduate	
1	Tuition & Development Fees	**95,000**
2	Other Fees (University Fees + Amartya Shiksha Yojana policy premium)	**1,665**
3	Refundable Deposit	**2,500**
	Total	**99,165**
	Postgraduate	
1	Tuition & Development Fees	**55,000**
3	Other Fees (University Fees + Amartya Shiksha Yojana policy premium)	**1,178**
4	Refundable Deposit	**1,000**
	Total	**57,178**

- Time schedule for payment of fee : Maximum 6 Month

- No. of Fee waivers granted : 0

- Number of scholarship offered by : 0
  the Institution

- Criteria for fee waivers/scholarship : As per Trust guidelines

- Estimated cost of boarding and lodging : Yes (Rs.40,000/-)
  in Hostels

10.10 Admission

Number of seats sanctioned with the year of approval

Undergraduate

S. No.	Name of Course	Sanctioned Intake *(Year wise)*						Actual Admitted *(2022-23)*				
		1st	2nd	3rd	4th	Total	Year of approval	1st	2nd	3rd	4th	Total
1	Computer Engineering	60	60	60	60	240	2000	68	78	79	84	309
2	Information Technology	60	60	60	60	240	2000	68	77	79	83	307

3	Elect. & Telecomm. Engg.	60	60	60	120	300	2000	67	77	74	120	338
4	Mechanical Engineering	60	60	60	60	240	2002	66	70	77	94	307
5	Civil Engineering	60	60	60	60	240	2006	57	76	75	93	301
6	Electrical Engineering	60	60	60	60	240	2010	62	76	78	90	306
7	Artificial Intelligence and Data Science	60	60	60	60	240	2020	68	77	77	00	222
	Total:	**420**	**420**	**420**	**480**	**1740**		**456**	**531**	**539**	**564**	**2090**

Post Graduate:

S. No.	Name of Course	Sanctioned Intake *(Year wise)*				Actual Admitted *(2022-23)*		
		1st	2nd	Total	Year of Approval	1st	2nd	Total
1	Structural Engineering [628421210]	18	18	36	2012	12	11	23
2	Artificial Intelligence and Data Science [628494310]	18	18	36	2021	01	04	05
3	Robotics and Automation [628494210]	18	18	36	2021	01	00	01
	Total:	**54**	**54**	**108**		**15**	**14**	**29**

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

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		S B C		SEBC		O P E N		T o t a l		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																								
F E	5	2	0	0	2	0	0	0	9	2	2	0	3	1	0	0	0	0	25	6	46	11	**5 7**	
S E	5	3	1	0	3	0	1	1	2	1	7	1	14	3	1	0	0	0	24	9	58	18	**7 6**	**3 0 1**
T E	4	3	0	0	2	0	0	0	5	1	1	0	8	4	1	0	0	0	34	12	55	20	**7 5**	
B E	5	4	0	0	0	2	2	1	8	3	4	1	14	5	2	0	18	5	11	8	64	29	**9 3**	
MECHANICAL																								
F E	4	1	0	0	1	0	1	0	9	1	0	0	15	1	0	0	0	0	27	6	57	9	**6 6**	**3 0 7**
S E	3	1	0	0	1	0	0	0	8	1	1	0	11	2	0	0	0	0	31	11	55	15	**7 0**	
T E	5	1	0	0	2	0	2	0	6	0	3	0	14	2	1	0	0	0	37	4	70	7	**7 7**	
B E	8	3	0	0	1	0	2	0	7	0	1	0	20	0	0	1	13	0	33	5	85	9	**9 4**	
ELECTRICAL																								
F E	8	1	0	0	1	0	0	0	3	4	1	0	16	1	0	0	0	0	17	10	46	16	**6 2**	**3 0 6**
S E	2	2	1	0	0	2	1	0	12	1	0	1	11	6	1	0	0	0	26	10	54	22	**7 6**	

16

Branch	SC M	SC F	ST M	ST F	DT/VJ M	DT/VJ F	NT 1 M	NT 1 F	NT 2 M	NT 2 F	NT 3 M	NT 3 F	OBC M	OBC F	SBC M	SBC F	SEBC M	SEBC F	OPEN M	OPEN F	Total M	Total F	Total	Branch
T E	6	3	0	1	1	0	0	0	12	3	0	0	10	6	0	0	1	0	27	8	57	21	**7 8**	
B E	6	3	0	0	2	2	2	0	10	1	2	0	22	6	1	0	5	2	19	7	69	21	**9 0**	
ENTC																								
F E	3	3	0	0	1	0	0	2	2	2	2	0	7	8	2	0	0	0	18	17	35	32	**6 7**	**3 3 8**
S E	4	4	0	0	0	1	1	0	1	3	1	2	10	9	0	1	0	0	18	22	35	42	**7 7**	
T E	5	1	0	0	0	0	1	0	2	5	1	1	6	8	3	1	0	0	22	18	40	34	**7 4**	
B E	3	4	0	0	0	0	0	1	10	7	0	0	14	16	1	1	12	9	19	23	59	61	**120**	
COMP																								
F E	4	2	0	0	1	0	2	0	4	1	0	0	13	9	0	0	0	0	18	14	42	26	**6 8**	**3 0 9**
S E	4	4	0	0	1	1	0	1	2	1	1	0	8	7	1	0	0	0	26	21	43	35	**7 8**	
T E	3	2	0	0	1	1	1	0	3	2	1	0	15	11	0	0	0	0	24	15	48	31	**7 9**	
B E	2	4	0	1	2	1	3	0	1	5	0	0	11	8	0	1	9	7	14	15	42	42	**8 4**	
I.T.																								
F E	2	3	0	0	2	0	0	2	4	1	0	1	7	5	0	1	0	0	26	14	41	27	**6 8**	**3 0 7**
S E	4	2	0	0	1	0	1	1	2	2	0	1	8	7	0	0	0	0	28	20	44	33	**7 7**	
T E	4	2	0	0	1	0	3	0	0	3	0	1	8	11	0	0	1	0	21	24	38	41	**7 9**	
B E	6	3	0	0	0	1	1	2	5	4	0	1	14	8	1	1	9	6	8	13	44	39	**8 3**	
AIDS																								
F E	3	3	0	0	1	0	2	0	1	1	1	1	9	6	0	0	0	0	27	13	44	24	**6 8**	**2 2 2**
S E	5	2	0	0	1	0	1	0	1	2	0	1	8	10	1	1	0	0	25	19	42	35	**7 7**	
T E	3	5	0	0	0	0	0	1	1	2	0	1	17	9	0	0	0	0	25	13	46	31	**7 7**	
B E	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**	**2090**

ME

Branch	SC M	SC F	ST M	ST F	DT/VJ M	DT/VJ F	NT 1 M	NT 1 F	NT 2 M	NT 2 F	NT 3 M	NT 3 F	OBC M	OBC F	SBC M	SBC F	SEBC M	SEBC F	OPEN M	OPEN F	Total M	Total F	Total	Branch
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	**1 2**	**2 3**
ME-II	1	1	0	0	0	0	0	0	3	0	1	0	0	0	1	0	0	0	3	1	9	2	**1 1**	
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	**2 9**	**2 9**
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 2		NT 3		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		
C I V I L																									
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**	
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**	**282**
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**	
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**	**288**
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**	
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**	**298**
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**	
E N T C																									
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**	
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**	**361**
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**	
COMPUTER																									
F	E	4	3	0	0	0	1	0	1	2	0	0	0	8	5	1	0	0	0	26	18	41	28	**69**	
S	E	4	2	0	0	1	1	1	0	4	2	1	0	14	11	0	0	0	0	25	15	50	31	**81**	**303**
T	E	2	4	0	1	2	1	3	0	1	5	0	0	11	8	0	1	9	7	15	15	43	42	**85**	
B	E	4	4	0	0	0	2	0	0	1	1	0	0	8	9	0	1	1	0	12	25	26	42	**68**	
I . T .																									
F	E	3	2	0	0	1	0	0	1	2	1	0	1	6	5	0	0	0	0	27	18	39	28	**67**	
S	E	4	2	0	0	1	0	3	0	0	3	0	1	9	11	0	0	1	0	21	24	39	41	**80**	**304**
T	E	6	3	0	0	0	1	1	2	5	4	0	1	14	8	1	1	9	6	8	13	44	39	**83**	
B	E	4	7	0	0	1	0	0	0	2	2	0	1	13	11	1	0	1	4	14	13	36	38	**74**	
A I D S																									
F	E	4	2	0	0	1	0	1	0	1	1	0	1	8	8	1	1	0	0	24	15	40	28	**68**	
S	E	3	5	0	0	0	0	0	1	1	2	0	1	17	9	0	0	0	0	25	13	46	31	**77**	**145**
T	E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
B	E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	

Total:	105	74	2	2	20	15	28	7	116	56	24	17	291	166	19	11	77	43	555	353	1237	744	1981	1981

M E

Branch	S C		S T		DT/VJ		NT 1		NT 2		NT 3		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	1	0	0	0	0	0	0	3	0	1	0	0	0	1	0	0	0	3	1	9	2	11	29
ME-II	2	0	0	0	0	0	0	0	3	1	0	0	2	1	0	0	0	0	6	3	13	5	18	
AIDS																								
ME-I	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	2	2	4	4
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	
R&A																								
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	0
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:	3	2	0	0	0	0	0	0	6	1	1	0	2	1	1	0	0	0	11	5	24	9	33	33
Gross Total:	108	76	2	2	20	15	28	7	122	57	25	17	293	167	20	11	77	43	566	358	1261	753	2014	2014

Undergraduate and Post Graduate-2020-21

Branch	S C		S T		DT/VJ		NT 1		NT 2		NT 3		O B C		S B C		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	1	2	0	0	1	0	0	0	5	1	1	0	7	2	0	0	1	0	26	7	42	12	54
SE	6	4	0	0	0	2	2	1	8	3	4	1	14	5	2	0	18	4	12	8	66	28	94
TE	2	3	0	0	1	1	5	0	5	1	2	2	12	6	1	1	0	1	23	7	51	22	73
BE	6	2	0	0	2	0	1	0	4	3	2	1	6	6	1	1	0	0	23	10	45	23	68
MECHANICAL																							
FE	2	0	0	0	1	0	1	0	3	0	2	0	6	1	0	0	0	0	27	2	42	3	45
SE	8	3	0	0	1	0	2	0	7	0	1	0	20	0	0	1	13	0	33	5	85	9	94
TE	4	1	0	0	1	1	0	0	6	0	1	0	16	6	1	0	3	0	19	7	51	15	66
BE	7	1	0	0	2	0	0	0	2	3	2	0	15	4	3	1	0	0	25	5	56	14	70
ELECTRICAL																							
FE	2	1	0	0	0	0	0	0	9	5	0	0	9	1	0	0	1	0	21	6	42	13	55
SE	6	4	0	0	2	2	2	0	11	1	3	0	23	6	1	0	5	2	19	7	72	22	94
TE	5	5	0	0	1	1	2	0	4	2	0	1	7	4	2	1	0	6	18	10	39	30	69
BE	8	1	0	0	1	0	2	0	9	4	3	2	12	5	0	3	0	0	13	7	48	22	70
E&TC																							
FE	3	1	0	0	0	0	1	0	3	3	1	0	5	5	3	1	0	0	18	15	34	25	59
SE	4	5	0	0	0	0	0	1	10	7	0	0	14	16	1	1	12	9	19	24	60	63	123
TE	2	4	0	0	0	0	0	0	2	4	1	1	11	5	0	1	4	3	25	32	45	50	95
BE	4	4	0	0	0	0	0	0	5	1	0	2	14	15	0	0	0	0	34	32	57	54	111
COMPUTER																							
FE	4	1	0	0	1	1	1	0	3	2	2	0	13	9	0	0	0	0	22	12	46	25	71
SE	2	4	0	1	2	1	3	0	1	5	0	0	12	8	0	1	9	7	14	15	43	42	85
TE	4	4	0	0	0	2	0	0	1	1	0	0	8	9	0	1	1	0	12	25	26	42	68
BE	5	4	0	0	0	1	1	1	1	3	0	2	8	11	0	4	0	0	12	21	27	47	74
I.T.																							
FE	3	2	0	0	1	0	2	0	0	3	0	1	7	10	0	0	1	0	20	20	34	36	70

Branch	SC M	SC F	ST M	ST F	DT/VJ M	DT/VJ F	NT1 M	NT1 F	NT2 M	NT2 F	NT3 M	NT3 F	OBC M	OBC F	SBC M	SBC F	SEBC M	SEBC F	OPEN M	OPEN F	Total M	Total F	Total
SE	6	4	0	0	0	1	1	2	5	4	0	1	14	8	1	1	9	6	9	14	45	41	**86**
TE	4	6	0	0	1	0	0	0	2	2	0	1	13	11	1	0	1	4	14	13	36	37	**73**
BE	3	3	0	0	1	2	0	0	3	7	1	1	10	12	1	0	0	0	7	17	26	42	**68**
AI&DS																							
FE	3	4	0	0	0	0	0	1	1	1	0	1	16	9	0	0	0	0	22	11	42	27	**69**
Total:	10	73	0	1	19	15	26	6	11	66	26	17	29	17	18	18	78	42	48	33	1160	744	**1904**
ME																							
CE																							
ME-I																							
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**
DS																							
ME-I																							
ME-II	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	**2**
DE																							
ME-I																							
ME-II	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	**1**
EE																							
ME-I																							
ME-II																							
SE																							
ME-I	2	0	0	0	0	0	0	0	3	1	0	0	2	1	0	0	0	0	6	4	13	6	**19**
ME-II	1	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	1	4	3	7	5	**12**
Total:	3	0	0	0	0	0	0	0	4	1	0	1	2	1	0	0	0	1	11	10	20	14	**34**
Gross Total:	10	73	0	1	19	15	26	6	11	67	26	18	29	17	18	18	78	43	49	34	1180	758	**1938**

- Number of applications received during last two years for admission under Management Quota : 2022-2023 483; 2020-2021 - 439; 2019-2020- 161

- Number of Admitted in 2022-23 : 49

10.11. 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/vacant seats:

Last date of request for applications	Thusday,17/11/2022 Upto 5 pm
Last date of submission of applications	Thursday,17/11/2022 upto 5m
Display of Merit list on notice board	Friday, 18/11/2022 upto am

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.

10.12. 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 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

II   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	2022-23		2021-22		2020-21	
		UG	PG	UG	PG	UG	PG
1	Civil Engineering	36.17	--	32.2	8.98	46.89	20.06
2	Mechanical Engineering	57.72	NA	45.17	NA	47.58	NA
3	Electrical Engineering	54.12	NA	45.17	NA	7.92	NA
4	E&TC Engineering	77.63	NA	72.46	NA	63.7	NA
5	Computer Engineering	91.48	NA	89.81	NA	86.17	NA
6	Information Technology	89.24	NA	87.25	NA	78.39	NA
7	Artificial Intelligence and Data Science	87.25	8.09	79.78	8.09	72.89	NA

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.

10.13. 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	EN22247051	Kadam Atharv Pradeep	OPEN	93.9765
2	EN22194534	Divya Barge	OPEN	90.6977
3	EN22166130	Wagh Tanvi Mahesh	OPEN	90.3656
4	EN22166340	Phalke Sahil Sharad	OPEN	89.5284
5	EN22174428	Gandre Aaryan Atul	OBC	89.4078
6	EN22183998	Gaikwad Yash Avinash	OPEN	88.9609
7	EN22101214	Bhandalkar Deep Tukaram	DT/VJ	88.4857
8	EN22138344	Ujma Inayatulla Mulla	OBC	88.4857
9	EN22190484	Kadam Shraddha Mohan	OPEN	87.8986
10	EN22146071	Tambe Janvi Girish	OPEN	87.8844
11	EN22246757	Kadam Yashraj Deepak	OPEN	87.4168
12	EN22193944	Pund Nirjala Suresh	OPEN	86.3667
13	EN22204634	Kate Sayali Rajendra	OPEN	86.2683
14	EN22202589	Sarvesh Sachin Kohok	OPEN	86.1714
15	EN22198203	Irshad Kasim Khwaza	OPEN	84.9851
16	EN22191003	Sabale Vaishnav Satish	OPEN	84.8685
17	EN22160277	Ramraje Suhas Deshmukh	OPEN	84.6391
18	EN22206904	Pawar Bhakti Surykant	NT2(NT-C)	84.6391
19	EN22184950	Dhanashree Sandeep Patil	OPEN	84.3826

20	EN22195496	Dhumal Atharavraj Anand	OPEN	84.1507
21	EN22188871	Ranjit Vishwanath Gaikwad	OPEN	84.1507
22	EN22151988	Mali Shreya Rameshwar	OBC	84.0382
23	EN22122923	Darshana Mahendra Shingavi	OPEN	83.8902
24	EN22119288	Vhorkate Nikhil Sambhaji	NT2(NT-C)	83.4045
25	EN22201669	Sapkal Priyanka Anil	OPEN	83.3247
26	EN22133705	Shinde Aryan Sachin	OBC	83.2494
27	EN22126641	Sutar Sarthak Rajendra	OBC	83.2285
28	EN22215059	Yashwardhan Manohar Takawane	OPEN	82.9382
29	EN22211443	Jadhav Sujal Bhagwan	OPEN	82.8744
30	EN22135301	Toradmal Samarth Mahendrakumar	OBC	82.6810
31	EN22116420	Agam Suyash Vijaykumar	OBC	82.4408
32	EN22191783	Yadnesh Sunil Bhoomkar	OPEN	82.4244
33	EN22236163	Tabe Arti Ravindra	OPEN	82.4070
34	EN22184504	Sanjyot Laxman Dake	OBC	82.3878
35	EN22140594	Gulave Vaibhavi Vasant	OPEN	82.3798
36	EN22106351	Godage Tushar Vijay	OPEN	82.3798
37	EN22103888	Dhumal Shreya Jitendra	OPEN	82.1909
38	EN22157903	Shinde Prathamesh Shankar	OPEN	81.9995
39	EN22199450	Kulkarni Ketan Prasad	OPEN	81.9840
40	EN22134075	Karan Krishnat Chavan	OPEN	81.9840
41	EN22137764	Shinde Yugandhara Rahul	OPEN	81.9734
42	EN22225119	Thopate Shreya Anil	OPEN	81.8335
43	EN22185264	Nimbalkar Aarya Suhas	OPEN	81.6297
44	EN22185220	Ghodake Utkarsh Santosh	OBC	81.5144
45	EN22162441	Taware Vishvatej Vijay	OPEN	81.4294
46	EN22189163	Sujata Karche	OBC	80.9167
47	EN22129006	Mahadik Rohit Anil	OPEN	80.9167
48	EN22143986	Suryawanshi Sakshi Ishwar	OPEN	80.9167
49	EN22188999	Gadsing Shraddha	OPEN	80.6331
50	EN22144725	Chaudar Sameer Ganesh	NT3(NT-D)	80.6331
51	EN22200946	Chavan Abhijit Bhimrao	OBC	80.6276
52	EN22184153	Kunjir Sarthak Sunil	OPEN	80.0234
53	EN22109820	Kawale Vedant Mohan	NT2(NT-C)	79.8656
54	EN22245416	Sanket Santosh Kadam	OBC	79.8656
55	EN22202930	Kumawat Yash Phoolchand	OPEN	79.5948
56	EN22108474	Thube Yashraj Anil	OPEN	79.5387
57	EN22218629	Angal Vedant Santosh	OPEN	79.4751
58	EN22177761	Savale Aditya Jitendra	OBC	79.4751
59	EN22112831	Shelke Shambhuraj Pravin	NT2(NT-C)	79.4730
60	EN22221215	Sawant Shubhangi Subhash	OPEN	78.6657
61	EN22142038	Gandhi Smit Dhiraj	OPEN	78.5793
62	EN22184914	Mane Samiksha Sambhaji	OPEN	78.5793
63	EN22119639	Atole Atharv Namdev	NT2(NT-C)	78.4826
64	EN22211399	Doshi Tanvi Rahul	OPEN	78.1062
65	EN22147642	Purushottam Sambhaji Nimbalkar	OPEN	78.1062
66	EN22210194	Jadhav Vaishnavi Netaji	OPEN	78.1062
67	EN22121572	Sakunde Pradnya Rajaram	OPEN	78.0555
68	EN22174241	Pathak Siddhant Rajesh	OPEN	78.0555
69	EN22171941	Jagadale Kedar Dhanaji	OPEN	77.9459
70	EN22184089	Dalve Niraj Bharat	OPEN	77.9459
71	EN22140484	Shelar Pranav Pradeep	OPEN	77.8496
72	EN22145545	Divekar Pranav Jagdish	OBC	77.6309
73	EN22161369	Bhosale Om Sachin	OPEN	77.6309
74	EN22109206	Chaware Ayush Sanjay	OBC	77.6309
75	EN22151760	Dombe Deepika Sunil	OBC	77.6309
76	EN22188141	Nagave Rahul Gorakh	OBC	77.6050

77	EN22101567	Choudhari Adwait Upendra	OPEN	77.1458
78	EN22133244	Kadam Shreyash Suryakant	OBC	77.1425
79	EN22103760	Pratik Gajanan Gaikwad	OPEN	77.0667
80	EN22124765	Sarthak Rajendra Kapse	OBC	76.9916
81	EN22158421	Dugad Aditya Girish	OPEN	76.7345
82	EN22101468	Prathamesh Sunil Raut	OBC	76.6964
83	EN22163212	Takale Trupti Vinayak	OPEN	76.6964
84	EN22145938	Kutwal Shaunak Jagdish	OPEN	76.5675
85	EN22100315	Khaire Niranjan Ravindra	OPEN	76.5572
86	EN22105744	Girme Ashwin Yogesh	OBC	76.5572
87	EN22125147	Machale Shravani Santosh	OPEN	76.5572
88	EN22116019	Deshmukh Revati Ravindra	OPEN	76.5572
89	EN22197426	Yash Rameshwar Kale	OPEN	76.4890
90	EN22244095	Shah Prerana Rajendra	OPEN	76.2707
91	EN22114265	Onkar Kottawar	OPEN	75.8472
92	EN22160923	Aditya Uttam Shinde	OBC	75.7887
93	EN22101254	Aditya Amit Andhalkar	OBC	75.6049
94	EN22205832	Siddhesh Gorakh Shelar	OBC	75.1822
95	EN22249776	Pathan Shifa Sameer	OPEN	74.9700
96	EN22223764	Sayyad Salman Latif	OPEN	74.7453
97	EN22125344	Sakshi Satish Sawant	OPEN	74.5211
98	EN22101429	Patil Yadnya Vikram	OPEN	74.2260
99	EN22147849	Kulkarni Aarya Gajanan	OPEN	74.2260
100	EN22166191	Shelar Rohit Dattatray	OBC	74.2013
101	EN22101498	Jadhav Shivam Shirish	OPEN	74.2013
102	EN22202751	Dhope Seema Ramesh	OBC	74.2013
103	EN22151210	Mangsule Shruti Santosh	OPEN	73.5740
104	EN22134040	More Sayali Prakash	OPEN	73.5740
105	EN22131900	Gadekar Anuja Vinayak	OPEN	73.5740
106	EN22164079	Rajebhosale Ramraje Vijaysinha	OPEN	72.9032
107	EN22130362	Tanisha Ajay Lokhande	OBC	72.9032
108	EN22175484	Zanje Abhishek Ashok.	OPEN	72.8911
109	EN22222426	Shipkule Anisha Anil	NT2(NT-C)	72.7702
110	EN22155583	Attar Ayesha Amir	OBC	72.7702
111	EN22118969	Yash Gorakh Jagtap	OPEN	72.7060
112	EN22184566	Sapkal Prathmesh Dattatray	OPEN	72.6414
113	EN22229098	Mehek Ghansham Bhatia	OPEN	72.6414
114	EN22167295	Swapnil Dadaso Yadav	OPEN	72.6414
115	EN22113561	Girme Atharv Sunil	OBC	72.5765
116	EN22119004	Vishwanjali Shashikant Jamdade	OPEN	72.5765
117	EN22160006	Jadhav Sujit Mahadev	OPEN	71.7637
118	EN22113979	Devika Prakash Chavale	OPEN	71.7637
119	EN22107260	Puri Prathamesh Manesh	NT1(NT-B)	71.6451
120	EN22132515	Sumit Sandip Dalavi	OBC	71.4470
121	EN22149113	Bagwan Ahad Aslam	OBC	71.1254
122	EN22193230	Dhavale Punam Balu	OBC	70.9263
123	EN22144569	Mohite Sai Dattatray	OPEN	70.8666
124	EN22138579	Rahul Pawar	OBC	70.7221
125	EN22243897	Dighe Om Ashok	OPEN	70.7221
126	EN22232737	Bhapkar Rutik Shankar	OPEN	70.2136
127	EN22184522	Shinde Vedant Vinod	OPEN	70.0926
128	EN22142931	Nevase Shriraj Sanjay	OBC	69.6045
129	EN22204315	Gaikwad Siddhivinayak Vishwas	OPEN	69.6045
130	EN22168171	Siddhi Rameshwar Gatade	OBC	69.6045
131	EN22184657	Vaishnav Babasaheb Markad	NT2(NT-C)	69.5290
132	EN22198961	Gandhi Harsh Prashant	OBC	69.3404
133	EN22186174	Shelar Piyush Vijay	OPEN	69.3404

134	EN22157938	Dake Vishal Vishnu	OPEN	69.1686
135	EN22133950	Thube Sahil Anil	OPEN	69.1686
136	EN22223349	Konde Prathmesh Hanunmant	OPEN	69.0395
137	EN22131267	Chand Shreya Anil	OPEN	69.0395
138	EN22149381	Dere Pranav Bhausaheb	OPEN	68.7024
139	EN22113262	Dhamdhere Sakshi Nitin	OPEN	68.5714
140	EN22165967	Shelar Aniket Santosh	OBC	68.2985
141	EN22241392	Jamdade Shubham Raju	OBC	68.2985
142	EN22237912	Kawade Soham Sukhadev	OPEN	67.9791
143	EN22160639	Yadav Shambhuraje Ravindra	OBC	67.9791
144	EN22204076	Shelar Kedar Dattatray	OPEN	67.7143
145	EN22228597	Shriraj Govind Joshi	OPEN	67.7143
146	EN22218346	Yamgar Jayesh Raju	NT2(NT-C)	67.4824
147	EN22156390	Zari Armaan Sikandar	OPEN	67.4824
148	EN22142697	Shirsat Harshal Malhari	NT3(NT-D)	67.4473
149	EN22113963	Shinde Aniket Haridas	OPEN	67.4473
150	EN22177349	Bhosale Advait Anil	OPEN	67.1125
151	EN22232926	Vishvajeet Vishwas Shitole	OPEN	67.1125
152	EN22176219	Bhise Tejasvi Udaykumar	OBC	66.8138
153	EN22134433	Wanave Pratiksha Dattatray	NT3(NT-D)	66.8138
154	EN22134489	Warunkar Abrar Amjad	OBC	66.8138
155	EN22113438	Bhosale Sangram Nandkumar	OPEN	66.5894
156	EN22166806	Awachar Vishal Mahadev	OPEN	66.5894
157	EN22179716	Dhaigude Nihal Pradip	NT2(NT-C)	66.5894
158	EN22117818	Kulkarni Nihira Prashant	OPEN	66.4465
159	EN22184947	Avasare Pranav Latesh	OBC	66.4465
160	EN22200105	Ugile Subodh Satyanarayan	OBC	66.4465
161	EN22181993	Samruddhi Tilekar	OBC	66.2395
162	EN22157580	Parkale Shrawani Sanjay	OPEN	66.2395
163	EN22235495	Kakade Ajay Dnyaneshwar	OBC	66.2395
164	EN22159273	Jamdar Yash Sunil	OPEN	66.2118
165	EN22217857	Mulik Prajakta Sunil	OPEN	65.5959
166	EN22117082	Prajwal Zagade	OBC	65.2658
167	EN22186860	Pawar Prakash Shamrao	OPEN	65.2658
168	EN22214952	Dabholkar Archita Dashrath	NT1(NT-B)	65.2401
169	EN22199294	Nevase Shravani Nanaso	OBC	64.7354
170	EN22187291	Kapase Shreyash Rajendra	OPEN	64.7354
171	EN22140710	Bhakare Shweta Shrimant	OPEN	64.7354
172	EN22181791	Ishwar Gopal Wawdane	NT1(NT-B)	64.4979
173	EN22214955	Buchude Vedant Balasaheb	NT2(NT-C)	64.0609
174	EN22148449	Utpat Prathmesh Purushottam	OPEN	64.0609
175	EN22100306	Aadish Shitalkumar Dugad	OPEN	64.0173
176	EN22139496	Mudale Samarth Dinesh	OPEN	64.0075
177	EN22217806	Sneha Manish Saste	OPEN	63.7148
178	EN22106873	Patil Yash Parag	OPEN	63.7148
179	EN22190954	Thorat Harshad Vishvas	OBC	63.5478
180	EN22118984	Waghmode Vaishnavi Sandip	NT2(NT-C)	63.5478
181	EN22145287	Tanwade Ganesh Nanasaheb	OPEN	63.5478
182	EN22178782	Ghadage Tejshree Sanjay	OBC	63.5478
183	EN22171974	Shende Shreyash Sanjay	OBC	63.0883
184	EN22134334	Pawar Sanika Satish	OPEN	63.0883
185	EN22100910	Pranjal Suhash Borhade	OBC	63.0502
186	EN22120700	Bedekar Sakshi Kishor	OBC	63.0502
187	EN22185788	Sujay Gaikwad	OPEN	63.0502
188	EN22224298	Bhosale Vaishnavi Kishor	OPEN	62.3954
189	EN22168595	Varsha Pandurang Arjun	NT2(NT-C)	62.3954
190	EN22213535	Neeraj Nanasaheb Gaikwad	OPEN	62.3800

191	EN22115423	Jadhav Nilesh Nagesh	OPEN	62.0824
192	EN22112490	Chavan Kshitij Sanjay	OPEN	61.9054
193	EN22116127	Jambe Vaishnavi Arjun	OBC	61.8814
194	EN22172963	Salve Shravasti Satyawan	SC	61.8814
195	EN22123024	Rananavare Pritam Uday	OPEN	61.6697
196	EN22162060	Shingate Sakshi Ganpat	OPEN	61.6697
197	EN22245577	Chavan Samiksha Pundalik	OPEN	61.6697
198	EN22177333	Patil Pavan Mahesh	OPEN	61.2621
199	EN22120277	Babare Nilesh Gorakh	OBC	61.2621
200	EN22236100	Khalate Dhanraj Yuvraj	OPEN	61.2621
201	EN22120394	Nawadkar Chaitanya Bhimaji	OPEN	61.2621
202	EN22178026	Lagad Aarti Shivaji	OPEN	61.2621
203	EN22196895	Jagtap Avadhut Satish	OPEN	60.6285
204	EN22169059	Parth Shivling Amande	OPEN	60.6285
205	EN22209704	Karale Swarangi Kiran	OPEN	60.5043
206	EN22202238	Kumbharkar Shreya Sanjay	OPEN	60.5043
207	EN22121309	Shubham Kadam	OPEN	60.0861
208	EN22232777	Suryawanshi Pratik Arun	OPEN	60.0861
209	EN22213300	Gandhale Nikhil Arun	OPEN	59.7202
210	EN22137175	Awachar Ravikumar Asaram	OPEN	59.7202
211	EN22148697	Labade Shraddha Balasaheb	OBC	59.6829
212	EN22135579	Shreya Abhijit Kate	OPEN	59.6829
213	EN22152239	Gawade Dhiraj Santosh	NT2(NT-C)	59.5292
214	EN22172595	Yadav Darshan Balkrishna	OPEN	59.5292
215	EN22123434	Supanekar Soham Nilesh	OBC	59.4192
216	EN22151559	Suryavanshi Uday Bapurao	OBC	59.4192
217	EN22165344	Kanase Pranav Pramod	OPEN	57.9293
218	EN22179420	Yadav Nikhil Rajkumar	OPEN	57.9293
219	EN22113683	Khedekar Shivendraraje Parag	OPEN	57.9293
220	EN22117690	Surle Prathmesh Ganesh	OBC	57.7165
221	EN22240065	Srushti Satish Mahamuni	OBC	57.4414
222	EN22125247	Kamlesh Sunil Pawar	OPEN	57.2113
223	EN22209624	Shelke Anand Prabhakar	OPEN	57.0639
224	EN22156936	Pawar Aditya Vishnu	OPEN	56.8100
225	EN22100326	Falke Pranav Vishwambhar	OBC	56.8100
226	EN22158948	Kadam Ajinkya Sunil	OPEN	56.8100
227	EN22215564	Vina Adinath Jambure	OPEN	56.7651
228	EN22136713	Bhapkar Nikita Manohar	OPEN	56.7651
229	EN22158251	Tejas Rajendra Nanaware	OBC	56.7545
230	EN22145904	Nigade Digvijay Dasharath	OPEN	56.5827
231	EN22112647	Jadhav Mahesh Khanderao	OPEN	56.3629
232	EN22165303	Bajabale Jayesh Shivaram	OBC	55.8903
233	EN22155990	Shubham Shahaji Pandit	OBC	55.8903
234	EN22130358	Shivanshi Yadav	OPEN	55.8903
235	EN22185597	Wadkar Aditya Nivratti	OPEN	55.8903
236	EN22211146	Shinde Akshay Rajendrakumar	OPEN	55.8824
237	EN22149120	Shelar Prathamesh Thorraj	OPEN	55.2571
238	EN22242280	Kale Sangram Navnath	OPEN	55.2571
239	EN22194796	Mane Vishwajeet Vilas	OPEN	55.2182
240	EN22188048	Omkar Ajinath Burungale	NT2(NT-C)	54.9126
241	EN22138469	Sakhalkar Aryan Nitin	OPEN	54.9126
242	EN22112902	Bankar Payal Ankush	OBC	54.5241
243	EN22116572	Jagtap Pruthviraj Sanjay	OPEN	54.5241
244	EN22220998	Kakade Sarthak Ravindra	OBC	54.5241
245	EN22207530	Doke Hrishikesh Dattatray	OPEN	54.5241
246	EN22224918	Solanke Ankita Tukaram	OPEN	54.5241
247	EN22104180	Jogdand Sohan Arun	OPEN	54.5241

248	EN22118769	Kumbhar Tanvi Rajendra	OBC	54.1781
249	EN22174014	Sonvane Karan Kamalakar	OPEN	54.1781
250	EN22162227	Kadam Vishal Ashok	OPEN	54.1781
251	EN22166608	Kumbhar Raviraj Vasant	OBC	54.1246
252	EN22120116	Karande Siddhant Mahadev	NT2(NT-C)	54.1246
253	EN22148493	Patil Mansi Vitthal	OPEN	54.1246
254	EN22186241	Bhame Pooja Kishor	OPEN	53.9212
255	EN22137553	Pisal Abhishek Hanumant	OPEN	53.8867
256	EN22181594	Nasikwala Mustafa Murtaza	OPEN	53.8867
257	EN22124373	Ghorpade Tejas Sunil	OPEN	53.7303
258	EN22111353	Pranav Dhanaji Jadhav	OPEN	53.7303
259	EN22144299	Jare Atharav Anil	OPEN	52.4476
260	EN22148315	Shinde Dhiraj Jagannath	OPEN	51.9314
261	EN22211845	Gawali Ajinkya Shivprasad	OPEN	51.9314
262	EN22102851	Bhosale Heramb Lalaso	OPEN	51.6741
263	EN22181018	Bachkar Atharv Satish	NT2(NT-C)	51.6741
264	EN22174910	Rode Sejal Sandip	OBC	51.6741
265	EN22115957	Yadav Swapnil Balasaheb	OPEN	51.2601
266	EN22237894	Nyathani Sunny Kumar Swami	OPEN	51.2601
267	EN22205836	Mulmule Ajaysinh Sanjayraj	NT2(NT-C)	51.2359
268	EN22145194	Dhonde Shruti Sukhdev	OBC	51.2359
269	EN22176038	Patel Nitish Jitendra	OPEN	51.1072
270	EN22175953	Mayur Popat Waghmode	NT2(NT-C)	50.9997
271	EN22197055	Chavan Ajinkya Sundarkumar	OPEN	50.9997
272	EN22133591	Akshay Bhimrao Narute	NT2(NT-C)	50.8162
273	EN22142793	Patil Vishwas Anant	OPEN	50.8162
274	EN22179275	More Amruta Dadaso	OPEN	50.8162
275	EN22240469	Kharade Gaurav Bharat	OPEN	50.5615
276	EN22220001	Jagtap Akash Ramdas	OBC	50.5615
277	EN22228173	Alange Pritam Dhanaji	OPEN	49.5565
278	EN22128125	Jadhav Pranali Sunil	OBC	49.4443
279	EN22123870	Siddhantika Abhijit Gadhave	OBC	49.0526
280	EN22159922	Mete Omkar Navanath	OPEN	49.0526
281	EN22119609	Shivam Hanumant Jagdale	OPEN	49.0526
282	EN22118624	Solanke Sumit Sharad	OPEN	49.0526
283	EN22113126	Taware Athrava Pramod	OPEN	48.9390
284	EN22119797	Ayushka Nalawade	OPEN	48.7701
285	EN22192232	Jadhav Komal Dilip	OPEN	48.7701
286	EN22111337	Omkar Santosh Atole	NT2(NT-C)	48.2193
287	EN22167961	Snehal Rambhau Khatal	NT2(NT-C)	48.1456
288	EN22225502	Randhave Harsh Hemant	OPEN	48.1420
289	EN22123898	Kokate Rushikesh Shahaji	OPEN	47.8470
290	EN22146565	Dhiraj Dnyandev Bagade	OPEN	47.7696
291	EN22175683	Lonkar Shailesh Ramchandra	OBC	47.7696
292	EN22232063	Pawar Manoj Mukundrao	OPEN	47.7696
293	EN22115130	Kiran Somnath Kadam	OBC	46.4456
294	EN22116409	Gholap Riddhi Dattatray	OPEN	46.4456
295	EN22140633	Bhame Kedar Sanjay	OPEN	46.4456
296	EN22116880	Sudrik Sarthak Bharat	OPEN	45.9884
297	EN22112495	Lavate Sanket Vittal	NT2(NT-C)	45.9884
298	EN22141098	Jadhav Abhay Ajit	OPEN	45.9884
299	EN22101077	Yash Ranmode	OPEN	45.9884
300	EN22167904	Anurag Sandip Kamdi	OBC	45.9188
301	EN22139831	Suryawanshi Raj Vishnu	OPEN	45.9112
302	EN22203372	Shinde Rahul Jagannath	OBC	45.6704
303	EN22176505	Gaikwad Atharvraj Sunil	OPEN	45.6704
304	EN22111084	Kane Om Vilas	OPEN	45.2718

305	EN22161206	Nikat Rohan Shivaji	OPEN	44.9304
306	EN22141730	Gaikwad Kaustubh Chetan	SC	44.7418
307	EN22214443	Sarim Imran Golandaz	OPEN	44.6472
308	EN22163859	Nimbalkar Yash Sachin	OPEN	43.3051
309	EN22166715	Shinde Sakshi Sandip	OPEN	43.3051
310	EN22247790	Kumbhar Pranjal Rajendra	OBC	43.0138
311	EN22224439	Thorve Anuja Avinash	OPEN	43.0138
312	EN22149776	Korade Rohit Pradip	OBC	43.0138
313	EN22235709	Shinde Avishkar Sachin	OPEN	42.7947
314	EN22206244	Ranaware Avantika Chandrakant	OPEN	42.7947
315	EN22207798	Pawar Tanvi Janardan	OPEN	42.7947
316	EN22134793	Omkar Vijaykumar Rupnawar	NT2(NT-C)	42.3018
317	EN22145077	Siddhesh Mangesh Shinde	OBC	42.0206
318	EN22113128	Ghume Atharva Atul	NT1(NT-B)	41.9140
319	EN22118040	Darade Sarika Balaso	NT3(NT-D)	41.9140
320	EN22186612	Samiksha Giranje	OPEN	41.4816
321	EN22135390	Jadhav Pratik Hanumant	OPEN	41.1873
322	EN22181400	Chavan Rohit Kalidas	OPEN	41.1873
323	EN22174895	Gurav Prasanna Dipak	OBC	39.8714
324	EN22240951	Kadam Prashant Hanumant	OPEN	39.8712
325	EN22187566	Jadhav Sandesh Vijay	OBC	39.6082
326	EN22141048	Panchakshari Bhuvaneshwar Maheshappa	OPEN	39.6082
327	EN22176816	Nalawade Omkar Tukaram	OPEN	39.5925
328	EN22205719	Tamboli Arif Ansar	OBC	39.4196
329	EN22178296	Tingare Mrudula Lahu	NT1(NT-B)	39.3129
330	EN22185541	Jadhav Sakshi Sunil	OPEN	39.1583
331	EN22123315	Pawashe Shruti Nitin	OPEN	39.1583
332	EN22141865	Jadhav Vaishnavi Gopal	OPEN	38.6414
333	EN22117347	Anpat Prerna Dattatraya	OPEN	38.1739
334	EN22220804	Aditya Sachin Shinde	OPEN	37.5479
335	EN22164171	Wanave Omkar Hanumant	NT3(NT-D)	37.5479
336	EN22249616	Patel Meet Bhavesh	OPEN	37.5479
337	EN22204878	Samale Komal Sopanrao	OPEN	36.7166
338	EN22179684	Jagtap Tanmay Dipak	OPEN	36.7166
339	EN22235266	Kulkarni Shreya Pramod	OPEN	36.7166
340	EN22129850	Kharat Tejas Hanumant	SC	36.1623
341	EN22172304	Tilekar Shreyash Ganesh	OBC	36.1594
342	EN22138451	Pawar Sourabh Sunil	OPEN	35.9780
343	EN22224691	Joshi Anisha Keshav	OPEN	35.8351
344	EN22169376	Mane Neha Sanjay	OPEN	34.1211
345	EN22164779	Rajdeep Vijay Agalave	OPEN	34.1211
346	EN22138359	Chavan Anushka Rajendra	OPEN	34.1211
347	EN22125902	Chole Vaibhav Govindrao	NT3(NT-D)	34.1211
348	EN22146402	Khomane Aditya Ganesh	NT2(NT-C)	33.5099
349	EN22158917	Nimbalkar Rutuja Ramdas	OPEN	33.5099
350	EN22129218	Chudasama Deepesh Vinod	OPEN	33.0831
351	EN22165456	Mahadik Sujal Anil	OPEN	33.0831
352	EN22138831	Salunkhe Namrata Bharat	OPEN	32.5909
353	EN22196186	Sawant Prasad Sanjay	OPEN	32.5909
354	EN22115952	Aryan Chandrakant Surve	OPEN	32.4993
355	EN22124636	Rounak Thorat	OPEN	32.3436
356	EN22168014	Yadav Prathamesh Hanmant	OPEN	32.3436
357	EN22217032	Tawar Prasad Ashok	OPEN	32.2622
358	EN22136797	Gaurav Rakesh Mandhare	OPEN	32.2619
359	EN22177097	Kadam Udayanraj Ravindra	OPEN	32.1061
360	EN22197747	Jadhav Ritesh Bandu	OBC	31.5015
361	EN22144438	Durgawale Suhani Maruti	OPEN	31.5015

362	EN22112190	Sopal Harshvardhan Guruprasad	OBC	30.5620
363	EN22149074	Ghule Manoj Bhausaheb	NT2(NT-C)	30.5620
364	EN22232251	Shambhuraje Sunil Jagadale	OPEN	30.5620
365	EN22128519	Gaikwad Akash Anil	OBC	30.0147
366	EN22140717	Aryan Santosh Kadale	SC	30.0146
367	EN22221272	Om Yuvaraj Bhosale	OPEN	29.3529
368	EN22129549	Wagh Deep Prabhakar	NT3(NT-D)	29.3529
369	EN22201687	Vasekar Vishwavijay Ashok	OBC	29.3331
370	EN22189646	Kokadwar Pranav Santosh	OPEN	29.3331
371	EN22202734	Pore Siddhant Dhananjay	OBC	29.2343
372	EN22113035	Ghadge Aditya Sunil	OPEN	29.2343
373	EN22232686	Aaditya Ajit Shahane	OBC	28.4814
374	EN22166910	Naikude Hrushikesh Hanumant	OPEN	28.4814
375	EN22129953	Janjire Dhiraj Shobhachand	OPEN	28.4814
376	EN22114711	Bhosale Rajdeep Pramod	OPEN	28.4665
377	EN22252213	Bagale Tejas Dattatray	OPEN	28.4665
378	EN22113259	Kumbhar Siddhesh Ashok	OBC	28.1606
379	EN22159914	Omkar Pramod Saste	OPEN	28.1606
380	EN22227025	Jaiswal Shailesh Ganesh	OBC	26.9008
381	EN22175487	Natakale Dhanraj Hanumant	OPEN	26.9008
382	EN22205037	More Omkar Popat	OPEN	26.9008
383	EN22145921	Konde Sai Suresh	OPEN	26.9008
384	EN22179936	Salunkhe Shivam Keshav	OPEN	26.7890
385	EN22183000	Jyoti Sinha	OPEN	26.7890
386	EN22123939	Choudhari Akash Dada	OPEN	26.7890
387	EN22113046	Shinde Sujal Sunil	OPEN	26.3140
388	EN22144926	Indrajeet Sandip Bhagat	NT2(NT-C)	26.2202
389	EN22233079	Kadam Vaishnavi Rajendra	OPEN	26.2202
390	EN22135112	Patil Rushikesh Kashinath	OBC	26.2202
391	EN22104796	Rushikesh Yuvraj Chavan	OPEN	25.8381
392	EN22178587	Ware Nishant Santosh	OBC	25.8311
393	EN22144413	Somase Utkarasha Mahadev	OPEN	25.7911
394	EN22177899	Abhishek Bharat Khade	NT3(NT-D)	23.9926
395	EN22212708	Pharande Aditya Ganesh	OBC	23.9926
396	EN22106809	Shrinath Nandkumar Khot	NT2(NT-C)	23.9511
397	EN22165796	Jagtap Shubham Rajendra	OPEN	23.4829
398	EN22179915	Satavnekar Sandesh Suresh	OPEN	23.1211
399	EN22145138	Salunkhe Swarup Sandeep	SC	23.1211
400	EN22113252	Farande Ashish Rajendra	OBC	22.9132
401	EN22122974	Kaygude Akshay Devidas	NT2(NT-C)	22.9132
402	EN22194793	Harshwardhan Udaysinh Patil	OPEN	22.9132
403	EN22198902	Sapkal Pranav Sanjay	OPEN	22.9132
404	EN22173886	Pisal Atharv Ganesh	OPEN	22.4871
405	EN22100997	Pratiksha Sunil Patil	NT2(NT-C)	22.2501
406	EN22246689	Supekar Tejas Bapu	OPEN	22.2501
407	EN22226220	Digambar Shrikant Gavade	NT2(NT-C)	22.2501
408	EN22117703	Avinash Bramhadev Dhande	OPEN	22.1694
409	EN22133524	Kshirsagar Pradumnya Pramodkumar	OBC	21.8821
410	EN22162597	Galinde Aditya Ajit	SC	21.5068
411	EN22194048	Bhoite Shubham Dattatray	OPEN	21.2317
412	EN22232618	Shinde Lalit Vijay	OBC	20.8205
413	EN22121247	Dhumal Srushti Rajendra	OPEN	20.3613
414	EN22208461	Chaware Chaitanya Mohan	OPEN	20.3613
415	EN22111978	More Yash Pandurang	OPEN	20.2328
416	EN22187463	Kale Samruddhi Rahul	NT2(NT-C)	19.8474
417	EN22147364	Sagare Srushti Satish	OBC	19.2567
418	EN22104283	Jadhav Pranav Nilkantha	OPEN	19.2567

419	EN22161874	Pavan Hanumant Bhong	OBC	18.3758
420	EN22119242	Ubale Paras Laxman	SC	18.3758
421	EN22131350	Dhavane Vishvajit Annasaheb	OPEN	18.3037
422	EN22231254	Solanke Sneha Deepakrao	OPEN	17.8381
423	EN22205975	Mulik Pranoti Sopan	OPEN	17.8381
424	EN22188050	Shaikh Saniya Raju	OPEN	17.5316
425	EN22115389	Jagtap Srushti Amol	OPEN	17.5093
426	EN22134857	Abhishek Maruti Konde	OPEN	17.5093
427	EN22186088	Bhujbal Rohit Rupchand	OBC	17.4355
428	EN22134927	Salunke Viraj Vijay	OPEN	17.4355
429	EN22145856	Shinde Rohan Ravindra	SC	16.7413
430	EN22169763	Khaladkar Ankita Ravindra	OPEN	16.5815
431	EN22222655	Patil Vedant Vijay	OBC	16.5731
432	EN22256125	Gaikwad Gayatri Sahebrao	OPEN	15.6957
433	EN22147563	Gole Pratik Bapurao	OPEN	15.5461
434	EN22147818	Janjire Mayur Madhav	OBC	15.5461
435	EN22100546	Divija Jitendra Patil	OPEN	13.5440
436	EN22237652	Parth Milind Waghire	SBC	12.9353
437	EN22134268	Kakade Yash Sandip	SC	12.7995
438	EN22169577	Kale Shubham Sanjay	NT2(NT-C)	12.6736
439	EN22113640	Harsh Santosh Pardeshi	OPEN	12.6736
440	EN22133533	Jachak Neelam Sachin	OPEN	12.4299
441	EN22191103	Gosavi Samarth Mahesh	OPEN	12.4299
442	EN22119036	Shinde Siddhi Mohan	OPEN	12.2020
443	EN22159024	Galinde Dhruvika Dinesh	SC	12.0911
444	EN22181948	Bagwale Shital Shantilal	OBC	11.4427
445	EN22133381	Aditya Yuvraj Chandgude	OPEN	11.2994
446	EN22186080	Pandhare Shriram Sachin	NT2(NT-C)	10.7718
447	EN22152065	Gawali Eshan Popatrao	OBC	10.7718
448	EN22127010	Kenjale Sakshi Kedar	OPEN	10.6465
449	EN22246453	Om Dattatray Jadhav	OPEN	10.6465
450	EN22175251	Pawar Aniket Sanjay	SC	10.4565
451	EN22147088	Jadhav Omkar Mahadev	OPEN	10.4565
452	EN22128294	Kulkarni Shivam Namdeo	OPEN	10.4565
453	EN22134615	Chavan Gururaj Santosh	OPEN	10.4565
454	EN22216359	Shaikh Sahil Ayubkhan	OPEN	9.5134
455	EN22113092	Belekar Sushant Pramod	OBC	9.2500
456	EN22200813	Kale Abhimanyu Arjun	OBC	9.2445
457	EN22218950	Ayan Ayub Pathan	OPEN	8.7583
458	EN22158038	Patil Achyut Vijay	OPEN	7.7837
459	EN22233540	Barabde Tanmay Pravin	OBC	7.4617
460	EN22147217	Ghadge Kaivalya Yogesh	OPEN	7.4459
461	EN22199427	Jadhav Om Santosh	OPEN	5.9144
462	EN22177781	Marathe Asmita Tukaram	OPEN	5.8081
463	EN22245628	Guldagad Chandrakant Babaso	NT2(NT-C)	5.2699
464	EN22251532	Galande Divya Dada	OPEN	4.3768
465	EN22109132	Pansare Amay Rajendra	OPEN	4.0236
466	EN22115947	Kolekar Saurabh Santosh	NT2(NT-C)	3.3181
467	EN22200365	Jamadar Saloni Dattatray	OPEN	3.2788
468	EN22178922	Salunke Milind Vilas	OPEN	2.8567
469	EN22240921	Kumbhar Chetan Bhim	OBC	2.5617
470	EN22148170	Tushar Dattatray Bhise	NT2(NT-C)	2.0006
471	EN22235562	Mansi Bhoyar	OBC	1.9775
472	EN22169715	Khartode Aditya Hanumant	NT2(NT-C)	1.1966
473	EN22241663	Om Nagesh Jathar	SC	0.6466
474	EN22100247	Vasim Samir Madari	NT1(NT-B)	0.4217
475	EN22255844	Nalawade Suyash Sanjay	OPEN	

476	EN22100584	Jadhav Aditya Nilesh	OPEN	
477	EN22100403	Jay Jagdish Bagehalli	OPEN	
478	EN22124235	Apeksha Pawar	OPEN	
479	EN22104841	Deshpande Varad Ashok	OPEN	
480	EN22109902	Rohan Dadaso Landge	NT2 (NT-C)	
481	EN22126639	Yedage Yashraj Ramesh	NT2 (NT-C)	
482	EN22106963	Yash Sirsat	OPEN	
483	EN22155912	Gholve Dhairysheel Hirachand	NT3(NT-D)	

Post Graduate Merit List

Merit No.	CAP Application Id	Type	General Merit No.	Branch for ME	Student Name	Category	CGPA / Percentage	Gate Score
1	ME22605083	Non Sponsored	Non-CAP	CIVIL	Sayyad Saqibali Ashpak	Open	8.81	17.31
2	ME22604584	Non Sponsored	Non-CAP	MECH	Yash Nitinchandra Jagtap	OPEN	8.3	13.49
3	ME22604638	Non Sponsored	Non-CAP	CIVIL	Markad Pravin Sukhadev	NT2 (NT-C)	8.82	9.54
4	ME22063882	Non Sponsored	1582	CIVIL	Gole Chanchal Ramesh	OPEN	83.53	6.65
5	ME22604089	Sponsored	184	CIVIL	Gaikwad Jyoti Dattatray	NT2 (NT-C)	81.5	NA
6	ME22604026	Sponsored	Non-CAP	CIVIL	Dnyaneshwar Dagadu Khartude	NT2 (NT-C)	63.6	NA

10.14 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	Mrs. Kulkarni Jyoti	Electrical Engg.	Assistant Coordinator (FE)
3	Mr. Bhagwat Vishal	Mech. Engg.	Assistant Coordinator (DSE)
4	Dr. Samadhan Morkhade	Civil Engg.	Assistant Coordinator (ME)
5	Dr. Todkari Vinod	Mech. Engg.	Assistant Coordinator (B.Voc)
6	Mr. Khartode Rushikesh	Civil Engg.	Assistant Coordinator (IL)
7	Mr. Sonawane Deepak	First Year Engg.	Coordinator (Branding-Offline)
8	Mr. Vyanktesh Rampurkar	Computer Engg.	Coordinator (Branding-Online)
9	Mrs. Bhoite Gauri	First Year Engg.	Member
10	Mr. Patil Anil	First Year Engg.	Member
11	Dr. Jadhav Nitin	First Year Engg.	Member
12	Dr. Shelke Nitin	First Year Engg.	Member
13	Mrs. Ghadage Supriya	First Year Engg.	Member
14	Mr. Jadhav Amol	First Year Engg.	Member
15	Mr. Pradeep Shendage	AI & DS	Member
16	Mr. Bhausaheb Salve	Information Technology	Member
17	Mr. Ajinkya Golande	Electrical Engg	Member

18	Mr. Madan Jadhav	E. & TC. Engg.	Member
19	Ms. More Monali	E. & TC. Engg.	Member
20	Dr. Gawande Vipin	Mech. Engg.	Member
21	Mr. Bhosale Deepak	Mech. Engg.	Member
22	Mr. Gaikwad Abhijit	Civil Engg.	Member
23	Mr. Wagh Sachin	Computer Engg.	Technical Support
24	Mr. Dadaso Taware	Information Technology	Technical Support
25	Mr. Nimbalkar Umesh	E. & TC. Engg.	Member
26	Mr. Dhumal Sunil	E. & TC. Engg.	Member
27	Mr. Bhosale Vaibhav	Computer Engg.	Member
28	Mrs. Jagtap Kusumanjali	Information Technology	Member
29	Mrs. Zargad Rupali	Computer Engg.	Member
30	Mr. Jarande Sachin	Civil Engg.	Member
31	Mr. Jadhav Rajaram	Electrical Engg	Member
32	Mr. Magar Santosh	Electrical Engg	Member
33	Mr. Kate Uddhav	Mech. Engg.	Member
34	Mr. Taware Dipak	Mech. Engg.	Member
35	Mr. Sutar Dhananjay	Mech. Engg.	Member
36	Mr. Shendge Sadashiv	Mech. Engg.	Member
37	Mr. Thombare Vinitkumar	Mech. Engg.	Member
38	Mr. Kadhane Sudam	Mech. Engg.	Member
39	Mr. Nimbalkar Ganesh	AI & DS	Member
40	Mr. Jagtap Nandakumar	First Year Engg.	Member
41	Mr. Vhargar Bramhdev	First Year Engg.	Member
42	Mr. Ganesh Khalate	First Year Engg.	Member
43	Mr. Ovekar Prakash	Library (Xerox Facility)	Member
44	Mr. Kale Chandrakant	Information Technology	Member

List of candidates admitted under Management quota

Sr. No.	Branch	Application ID	Candidate Name	Category	Seat Type	Admission Date
1	Artificial Intelligence and Data Science	EN22131267	CHAND SHREYA ANIL	Open	ACAP	19-11-2022
2	Artificial Intelligence and Data Science	EN22134075	CHAVAN KARAN KRISHNAT	Open	IL	18-11-2022
3	Artificial Intelligence and Data Science	EN22101567	CHOUDHARI ADWAIT UPENDRA	Open	IL	18-11-2022
4	Artificial Intelligence and Data Science	EN22140594	GULAVE VAIBHAVI VASANT	Open	IL	18-11-2022
5	Artificial Intelligence and Data Science	EN22115423	JADHAV NILESH NAGESH	Open	IL	18-11-2022
6	Artificial Intelligence and Data Science	EN22135390	JADHAV PRATIK HANUMANT	Open	IL	18-11-2022
7	Artificial Intelligence and Data Science	EN22179684	JAGTAP TANMAY DIPAK	Open	IL	18-11-2022
8	Artificial Intelligence and Data Science	EN22134857	KONDE ABHISHEK MARUTI	Open	IL	18-11-2022
9	Artificial Intelligence and Data Science	EN22118769	KUMBHAR TANVI RAJENDRA	OBC	IL	18-11-2022
10	Artificial Intelligence and Data Science	EN22199294	NEVASE SHRAVANI NANASO	OBC	IL	18-11-2022
11	Artificial Intelligence and Data Science	EN22184566	SAPKAL PRATHMESH DATTATRAY	Open	IL	18-11-2022
12	Artificial Intelligence and Data Science	EN22113126	TAWARE ATHARVA PRAMOD	Open	IL	18-11-2022

13	Artificial Intelligence and Data Science	EN22162441	TAWARE VISHVATEJ VIJAY	Open	IL	18-11-2022
14	Civil Engineering	EN22155912	GHOLAVE DHAIRYASHEEL HIRACHAND	NT 3 (NT-D)	ACAP	20-11-2022
15	Civil Engineering	EN22228173	ALANGE PRITAM DHANAJI	Open	IL	18-11-2022
16	Civil Engineering	EN22184522	SHINDE VEDANT VINOD	Open	IL	18-11-2022
17	Computer Engineering	EN22188999	GADSING SHRADDHA	Open	ACAP	18-11-2022
18	Computer Engineering	EN22158917	NIMBALKAR RUTUJA RAMDAS	Open	ACAP	19-11-2022
19	Computer Engineering	EN22116019	DESHMUKH REVATI RAVINDRA	Open	IL	18-11-2022
20	Computer Engineering	EN22123870	GADHAVE SIDDHANTIKA ABHIJIT	Open	IL	18-11-2022
21	Computer Engineering	EN22142038	GANDHI SMIT DHIRAJ	Open	IL	18-11-2022
22	Computer Engineering	EN22152065	GAWALI ESHAN POPATRAO	Open	IL	18-11-2022
23	Computer Engineering	EN22101498	JADHAV SHIVAM SHIRISH	Open	IL	18-11-2022
24	Computer Engineering	EN22165344	KANASE PRANAV PRAMOD	Open	IL	18-11-2022
25	Computer Engineering	EN22174241	PATHAK SIDDHANT RAJESH	Open	IL	18-11-2022
26	Computer Engineering	EN22101429	PATIL YADNYA VIKRAM	Open	IL	18-11-2022
27	Computer Engineering	EN22193944	PUND NIRJALA SURESH	Open	IL	18-11-2022
28	Computer Engineering	EN22166715	SHINDE SAKSHI SANDIP	Open	IL	18-11-2022
29	Computer Engineering	EN22137764	SHINDE YUGANDHARA RAHUL	Open	IL	18-11-2022
30	Computer Engineering	EN22112190	SOPAL HARSHVARDHAN GURUPRASAD	OBC	IL	18-11-2022
31	Electrical Engineering	EN22256125	GAIKWAD GAYATRI SAHEBRAO	Open	ACAP	18-11-2022
32	Electrical Engineering	EN22113035	GHADGE ADITYA SUNIL	Open	ACAP	18-11-2022
33	Electrical Engineering	EN22141048	PANCHAKSHARI BHUVANESHWAR MAHESHAPPA	Open	ACAP	18-11-2022
34	Electrical Engineering	EN22185597	WADKAR ADITYA NIVRATTI	Open	ACAP	19-11-2022
35	Electrical Engineering	EN22123898	KOKATE RUSHIKESH SHAHAJI	Open	IL	18-11-2022
36	Electrical Engineering	EN22100247	MADARI VASIM SAMIR	Open	IL	18-11-2022
37	Electronics and Telecommunication Engg	EN22115389	JAGTAP SRUSHTI AMOL	Open	ACAP	18-11-2022
38	Electronics and Telecommunication Engg	EN22125147	MACHALE SHRAVANI SANTOSH	Open	ACAP	18-11-2022

39	Electronics and Telecommunication Engg	EN22119797	NALAWADE AYUSHKA MANISH	Open	ACAP	18-11-2022
40	Electronics and Telecommunication Engg	EN22176038	PATEL NITISH JITENDRA	Open	ACAP	18-11-2022
41	Electronics and Telecommunication Engg	EN22100997	PATIL PRATIKSHA SUNIL	NT 2 (NT-C)	ACAP	18-11-2022
42	Electronics and Telecommunication Engg	EN22207798	PAWAR TANVI JANARDAN	Open	ACAP	18-11-2022
43	Electronics and Telecommunication Engg	EN22206244	RANAWARE AVANTIKA CHANDRAKANT	Open	ACAP	18-11-2022
44	Electronics and Telecommunication Engg	EN22124636	THORAT ROUNAK SATISH	Open	ACAP	18-11-2022
45	Electronics and Telecommunication Engg	EN22181018	BACHKAR ATHARV SATISH	NT 2 (NT-C)	IL	18-11-2022
46	Electronics and Telecommunication Engg	EN22222426	SHIPKULE ANISHA ANIL	NT 2 (NT-C)	IL	18-11-2022
47	Information Technology	EN22136713	BHAPKAR NIKITA MANOHAR	Open	IL	18-11-2022
48	Information Technology	EN22177349	BHOSALE ADVAIT ANIL	Open	IL	18-11-2022
49	Information Technology	EN22214952	DABHOLKAR ARCHITA DASHRATH	NT 1 (NT-B)	IL	18-11-2022
50	Information Technology	EN22145545	DIVEKAR PRANAV JAGDISH	OBC	IL	18-11-2022
51	Information Technology	EN22151760	DOMBE DEEPIKA SUNIL	OBC	IL	18-11-2022
52	Information Technology	EN22158421	DUGAD ADITYA GIRISH	Open	IL	18-11-2022
53	Information Technology	EN22159273	JAMDAR YASH SUNIL	Open	IL	18-11-2022
54	Information Technology	EN22185264	NIMBALKAR AARYA SUHAS	Open	IL	18-11-2022
55	Information Technology	EN22157580	PARKALE SHRAWANI SANJAY	Open	IL	18-11-2022
56	Information Technology	EN22143986	SURYAWANSHI SAKSHI ISHWAR	Open	IL	18-11-2022
57	Information Technology	EN22135301	TORADMAL SAMARTH MAHENDRAKUMAR	Open	IL	18-11-2022
58	Information Technology	EN22119288	VHORKATE NIKHIL SAMBHAJI	NT 2 (NT-C)	IL	18-11-2022
59	Mechanical Engineering	EN22220804	ADITYA SACHIN SHINDE	Open	ACAP	18-11-2022
60	Mechanical Engineering	EN22104796	CHAVAN RUSHIKESH YUVRAJ	Open	ACAP	18-11-2022
61	Mechanical Engineering	EN22220001	JAGTAP AKASH RAMDAS	OBC	ACAP	18-11-2022
62	Mechanical Engineering	EN22176816	NALAWADE OMKAR TUKARAM	Open	ACAP	18-11-2022
63	Mechanical Engineering	EN22115957	YADAV SWAPNIL BALASAHEB	Open	ACAP	18-11-2022

| 64 | Mechanical Engineering | EN22204076 | SHELAR KEDAR DATTATRAY | Open | IL | 18-11-2022 |
| 65 | Mechanical Engineering | EN22186174 | SHELAR PIYUSH VIJAY | Open | IL | 18-11-2022 |

- 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.

List of the candidate who joined within the date, vacancy position in each category before operation of waiting list

S. No.	Branch	Sanctioned Intake	Institute Level seats	Actually Admitted	Vacant seats after CAP Round(Inst. Quota)
1	CIVIL	60	2	3	10
2	MECH	60	2	7	6
3	ELECT.	60	2	6	6
4	ENTC	60	2	10	7
5	COMP	60	12	12	2
6	IT	60	12	14	1
7	AIDS	60	12	13	0
	Total	420	44	65	32

10.15 Information of Infrastructure and other resources available

Information of Infrastructure

Number of Class Rooms and size of each	26 (Size:66 Sq.M.)
Number of Tutorial rooms and size of each	07 (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-67 Seats)
Central Examination Facility, Number of rooms and capacity of each	Yes (70)
Barrier Free Built Environment for disabled and elderly persons	Yes
Occupancy Certificate	Yes
Fire and Safety Certificate	Yes
Hostel Facilities: Boys Hostel Boys Hostels (A - Capacity 273 Students) Boys Hostels (B - Capacity 150 Students) Boys Hostels(C - Capacity 198 Students) Boys Hostels (D - Capacity 490 Students)	Yes

Separate Dining Hall for Each Boys Hostel Girls Hostel Photo Girls Hostel (A - Capacity - 408 students) Girls Hostel (B - Capacity - 420 students) Girls Hostel (C - Capacity - 186 students) Girls Hostel (D - Capacity - 490 students) Girls Hostel (E - Capacity - 128 students) Separate Dining Hall for Each Girls Hostel	

Library

List of books and journals

Sr. No.	Course	Total Number of Titles	Total Number of volumes	Number of Journals		
				Print		Online
				National	International	International
Under Graduate:						
1	Computer Engineering	2069	5250	06	-	(IEEE + Springer Mechanical + ASCE packages)
2	Information Technology	1143	3125	06	-	
3	Elect. & Telecom. Engineering	1780	5729	06	-	
4	Mechanical Engineering	1696	4720	06	-	
5	Civil Engineering	1257	4220	06	-	
6	Electrical Engineering	712	1742	06	-	
7	AI&DS	39	85	06	-	
8	General Science & Engineering	789	2222	04	-	
9	General books	2039	2451	00	-	
Post Graduate:						
1	Computer Engineering	187	428	06	06	
2	Electronics – Digital System	208	339	00	00	
3	Mechanical – Energy Eng.	134	175	06	06	
4	Mechanical – Design Eng.	193	251			
5	Civil - Structural Eng.	159	251	06	06	
	Total	**12405**	**30988**	**64**	**18**	**407**

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

List of online National/ International Journals subscribed:

List of Print Journals to be subscribed for 2022-23

S. No	Title	Issues	Dept.
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
41	Indian Journal of Marketing	12	Mech UG National
42	IEJ Springer Journal Series -D (Metallurgical & Meterial and Mining)	2	Mech UG National
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/ Enviromental series - A)	4	Civil PG National
66	Civil Engineering Infastructures 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

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 2022. In these databases, we are having 407 peer-reviewed journal access with back files from 2000 for all branches & from our Campus.

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.

List of Laboratory and Workshops

List of major equipment's /Facilities in each Laboratories/workshop

First Year Engineering Department

Dept Name	Name of the Laboratory	Lab /Major Equipment
First Year Engineering	**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	PCs=24, S/W Sever =1, LCD Projector=1, Projector Screen =1, Tell Me More Software.
	BASIC ELECTRICAL ENGINEERING LAB	"1.BEE Experimental set up (2 nos) 2. Home electrical wiring Training system -1"
	BASIC ELECTRONICS ENGINEERING LAB	Basic electronics components kit, Power supply,. function generator, CRO, Multimeter

	SYSTEM OF MECHANICAL ENGINEERING LAB	Steam engine with Boiler, Safety valves, Cochran Boiler, Gear Models, Boiler Models, Charts
	ENGINEERING MECHANICS	Flywheel, Belt friction apparatus

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.
	METALLURGY AND QUALITY CONTROL LAB	Rockwell & Brinell Hardness Tester, Muffle Furnace, Magnetic Particle tester, Double Disc Polishing Machine, Binocular Microscope (400X), Profile Projector, Floating Carriage Machine.
	THERMODYNAMICS LAB & FLUID MECHANICS LAB	Bomb Calorimeter, Gas Calorimeter, Abels Flash Point Apparatus, Pensky- Martens Flash Point Apparatus & Electrical Analogy Apparatus, Hydraulic Bench Model, Hydrostatic Bench, Reynolds Apparatus, Modified Bernoulli's Theorem Apparatus.
	MECHATRONICS AND AUTOMATION LAB-MECH	Pneumatic Trainer. Heat Exchanger Hydraulic Trainer, Level & Flow Control Trainer, LVDT.
	MATERIAL TESTING LAB	Universal Testing Machine (400KN), Izod Impact Tester
	DYNAMICS OF MACHINERY AND THEORY OF MACHINERY LAB	Universal Vibration Machine, Motorized Gyroscope, Static and Dynamics Balancing ,Whirling speed of Shaft.
	STEAM POWER PLANT LAB	Power Plant with Boiler Inclusive of Steam turbine, Generator, Condenser, feed Pump, Throttling unit, Separator,
	TURBO MACHINES LAB	Pelton Wheel Set-up, Francis Turbine Set-up, Centrifugal Pump Set-up, Impact of Jet Apparatus, Gear Pump Test Rig, Reciprocating Pump Test Rig.

	MECHANICAL CAD LAB	Computers i3 -25 Quantity, i5: 21 Quantity, Software's-SSCNC CNC Simulator, Witness Horizon Simulation Software , Automation Studio Simulation Software, RoboDK Simulation Software, ANSYS, Solid Works, Solid Edge, Master CAM, AutoCad, MSC-Nastran
	WORKSHOP/ PROJECT LAb	Universal Milling Machine, Radial Drilling Machine, Milling & Shaping Machine, Power HackSaw Machine, Pedestal Drill Machine, CNC Trainer Lathe, Power Press, CO2 Welding Machine, TIG Welding Machine, MIG Welding Machine, Gas Cutter and Hand Grinders, Soldering Kit, Hand Shearing Machine, Wood Turning Lathe, Wood Circular Saw.
RESEARC H LAB	**I C ENGINE LAB**	VCR Engine Test Rig, Computerized Diesel and Petrol Engine Test Rig, Exhaust Gas Analyzer
	VIBRATION AND MECHANICS LAB	Strain Indicator & Line Voltage Adapter, Universal Testing Machine(1000kN) with Extensometer, Vibration

Electrical Engineering Department

Name of Department	Laboratory	List of Equipment's available
Electrical Engineering	**BASIC ELECTRICAL ENGINEERING**	Trolley mounted BEE set up (2 nos), Home electrical wiring Training system
	ELECTRICAL MACHINES II	Three Phase Induction Motor - 5 kW, Three Phase Alternator- 3.5 kVA, Three Phase Synchronous Motor set
	ELECTRICAL MACHINES I AND EMI LAB	DC Shunt Motor 5 HP DC shunt Gen 3 KW Single Phase Transformer 3 KVA DC Series Motor 2 HP Three Ph,
	COMPUTER LAB (ELECT.) & MICROCONTROLLER LAB	"25 Computers MATLAB (Users) PSIM ETAP SPJ-STK-PIC evaluation board (10) Ultra lite PIC evaluation
	COMPUTER LAB 2 (ELECT.)	15 Computer having configuration ACER Veritron Desktop Intel core 11th Generation processor 16GB RAM 512GB Hard disk 21.5 inch monitor, CPU and Mouse
	MATERIAL SCIENCE & HIGH VOLTAGE ENGINEERING	Schering Bridge, Gauss and Tesla Meter, BH Curve Tracer ,100 kV AC/DC test set, Rod Gap & Sphere Gap Apparatus
	POWER SYSTEM & SWITCH GEAR PROTECTION LAB	Single & 3 phase Transmission line trainer, Protective Relay Trainer, Over Current Test, Merz Price Protection of generator
	POWER ELECTRONICS/ POWER QUALITY & PECD LAB	VI characteristics of SCR, DIAC, TRIAC 2. IGBT Characteristics trainer, 1 phase half wave , 3-phase voltage source inverter, Oscilloscope with function generator, 3 phase full converter, power quality analyzer.
	PLC AND SCADA LAB & CONTROL SYSTEM LAB	PLC kit, SCADA Software, Synchros-Modelling TF, AC servo motor, PI, PID Controller, Compensators
	NETWORK ANALYSIS & ELECTRICAL WORKSHOP	Kit to verify network theorems, Z & Y parameters, RLC Circuits, CRO

Computer Engineering Department

Name of Department	Name of the Laboratory	Lab /Major Equipment
Computer Engineering	DATABASE SYSTEM LAB	Computer :- Acer Veriton MT Desktop i5 11th gen. Printer :- Epson LQ-1150-II Projector :- EPSON Projector EBX-29
	PARALLEL COMPUTING LAB	Computer :- Acer Veriton MT Desktop i5 11th gen. Printer :- Epson LQ-1150-II 1 Projector :- Mitsubhishi ES-220U
	ADVANCED NETWORK LAB	Computer: Acer Veriton MT Desktop i5 11th gen. Printer: HP Printer , Model- PROMFP M-132a Projector: Data Projector Make Plus Model U5-512h WI FI D Link
	OPERATING SYSTEM LAB	Computer: Acer Veriton MT Desktop i5 11th gen., BegaleBone:BB black Rev. C Development platform Arm Cortex:BB black Rev. C Development platform Printer: HP Laserjet 1020 1 Qty, HP Printer , Model- PRO M104a
	SOFTWARE DEVELOPMENT LAB /PGDERP	Computer: Acer Veriton M200 H410 Desktop i5 10th gen., Projector :- Mitsubhishi ES-220U, Printer: HP Laserjet 1020

Information Technology Department

Name of Department	Name of the Laboratory	Lab /Major Equipment
Information Technology	SOFTWARE LABORATORY	20 Acer Veriton M200-H610, i5 11th Gen, 512 GB SSD, 16GB DDR4
	MACHINE LEARNING & COMPUTER VISION LABORATORY	20 Acer Veriton M200-H610, i5 11th Gen, 512 GB SSD, 16GB DDR4
	INFORMATION TECHNOLOGY LABORATORY	20 HP 202 G2 i3, 4GB RAM 10 Acer Veriton M200-H510, i5 11th Gen, 512 GB SSD, 16GB DDR4 20 ASUS D510DT i5, 8GB RAM
	DIGITAL LABORATORY -2	20 HP 202 G2 i5, 4GB RAM
	SOFTWARE DEVELOPMENT LABORATORY	20 HP Pro 3330 MT i3, 4GB RAM
	NETWORK LABORATORY	20 Dell Optiplex 3010 Intel Core i3, 4GB RAM, 500GB HDD

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

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 CIVIL	Autoclave, BOD incubator, UV Spectro-photometer, Dust sampler, Distillation unit.
	TRANSPORTATION ENGINEERING LAB CIVIL	Abrasion testing, Ductility test, Bitumen extractor, Marshal stability appratus
	ENGINEERING MECHANICS LAB-CIVIL	Flywheel, Belt friction apparatus,
	SURVEYING & ENGG GEOLOGY LAB-CIVIL	1" & 20 " Theodolite, Total station. Rock and Mineral specimens
	STRENGTH OF MATERIALS LAB-CIVIL	Tile abrasion testing machine, Torsion testing machine, Flexural testing machine, Bend rebend test apparatus.
	GEOTECHNICAL ENGINEERING	Triaxial test, CBR test, Permeability apparatus, sand UCT, DSRT
	CONCRETE TECHNOLOGY	Compression Testing Machine, Core cutter, Flexural Strength machine,Ultrasonic Pulse Velocity meter.
	BASIC CIVIL ENGINEERING	Models of Staircase, Door, Trusses, Foundation etc.
	PG RESEARCH LAB	Civil Computers i3: 21 Qty, SAP 2000, AutoCAD, ETAB, MATLAB,Gram++, STAAD-Pro Software
	FLUID MECHANICS LAB CIVIL	Wind Tunnel, Impact of jet apparatus,Tilting Flume.

List of Experimental Setup in Each Laboratory/workshop

Name of Department	Name of the Laboratory	List of Experimental Setup
First Year Engineering	PHYSICS LAB	Newton's Ring (4) Plane diffraction grating for determination of unknown wavelength (3) Ultrasonic Interferometer for the determination of compressibility of liquid (2) Determination of band gap of a given semiconductor (2) Solar cell characteristics, measurement of Voc, Isc, fill factor (5) Laser based experiment. (determination of no of lines / cm of a grating) (1)

		Determination of absorption coefficient of sound of given material (1) Half Shade Polarimeter (1) Law of Malus (1) Brewster's law (1).
	CHEMISTRY LAB	Determination of Hardness of water by EDTA method (Titration - glassware) (12) Determination of Alkalinity of water sample (Titration - glassware) (12) Determination of Dissociation constant of weak acid (acetic acid) using pH-meter (6) To determine maximum wavelength of absorption of $CuSO_4$ / $FeSO_4$, verify Beer's law and find unknown concentration in the given sample (2) Titration of mixture of weak acid and strong acid with strong base using conductometer (1) Determination of molecular weight / radius of macromolecule Polystyrene / Polyvinyl Alcohol by viscosity measurements (glassware) (12) Proximate analysis of coal. (Oven and Muffle furnace - 1 each) (5) Preparation of nickel coating on copper metal using both methods, Electroplating and Electroless plating (1).
	BASIC ELECTRICAL ENGINEERING LAB	1. Trolly based experimental setup (R-L, R-C, and R-L_C loads, Star-Delta, Theorems, Kirchhoff's Laws and Resistance Temperature Detector (RTD)). 2. Home Electrical Wiring Training system (Switches, Sockets, Holder, wiring and Lights (FL, CFL, LEDs, and Energy Meters)
	SYSTEM OF MECHANICAL ENGINEERING LAB	All experiments are study experiments. No experimental set up for this lab.
	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.

Dept Name	Name of the Laboratory	List of Experimental Setup
Mechanical Engineering	**HEAT TRANSFER AND REFRIGERATION AND AIR CONDITIONING LAB**	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.
	METALLURGY AND QUALITY CONTROL LAB	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.
	THERMODYNAMICS LAB & FLUID MECHANICS LAB	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 manometer. 6. Determination of viscosity of liquids and its variation with temperature. 7. Determination of metacentric height of floating object. 8. Laminar and Turbulent flow by Reynolds's apparatus. 9. Draw flow net using electrical analogy apparatus. 10. Verification of modified Bernoulli's equation. 11. Calibration of Venturimeter. 12. Calibration of V-notch. 13. Determination of minor losses due to pipe fittings.
	MECHATRONICS AND AUTOMATION LAB-MECH	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	1. Tensile Test for ductile & brittle material, 2. Shear test of Ductile material on Universal Testing Machine.
	DYNAMICS OF MACHINERY AND THEORY OF MACHINERY LAB	1. To study manufacturing of gear using gear generation with rack as a cutter and to generate involute profile, 2. Speed and torque analysis of epicyclic gear train to determine, holding torque. 3. To verify Cam jump phenomenon, 4. To determine the active gyroscopic couple on a spinning disc and verify the gyroscopic effect, 5. To determine experimentally the mass moment of inertia of a flat bar using a bifilar suspension method. 6. To determine experimentally the mass moment of inertia of a disc using trifilar suspension method. 7. Balancing of wheel / rotor on computerized balancing machine. 8. To determine the natural frequency of damped vibration of a single degree freedom system and to find it's damping coefficient. 9. To obtain frequency response curves of single degree freedom system of vibration for different amounts of damping. 10. To verify the natural frequency of torsional vibration of two rotor systems and position of nodes. 11. To determine natural frequency of transverse vibration of beam using vibration analyzer. (Vibration Measurement by FFT analyzer).
	STEAM POWER PLANT LAB	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.
	TURBO MACHINES LAB	1. Study and trial on Pelton Wheel Set-up 2. Study and trial on Francis Turbine Set-up 3. Study and trial on Centrifugal Pump Set-up 4. Verification of Impulse Momentum Principle by Impact of Jet Apparatus 5. Gear Pump Test Rig 6. Reciprocating Pump Test Rig.
	CAD LAB	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
	Workshop (MS)-UG	1. Manufacturing of any one assembly consisting of minimum two components and involving all the lathe operations, 2. Manufacture of spur gear on a milling machine using indexing head. 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.

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 \n\n 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, 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 Theremin's, Maximum power and Tillage'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

Name of Department	Name of the Laboratory	List of Experiments
Computer Engineering	**DATABASE SYSTEM LAB**	* 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 * 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. *Implement Threaded Binary Tree and perform inorder traversal on it. Analyze the time complexity of the same *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. 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. * 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.

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		*Consider the telephone book database of N clients. Make use of a hash table implementation to quickly look up a client's telephone number. *Implement all the functions of a dictionary (ADT) using hashing. Data: Set of (key, value) pairs, Keys are mapped to values, Keys must be comparable, Keys must be unique. Standard Operations: Insert(key, value), Find(key), Delete(key) *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. *Write a Java program which demonstrates the scope rules of the programming mechanism. *Implement the Heap/Shell sort algorithm implemented in Java demonstrating heap/shell data structure with modularity of programming language *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 * Implementation of sequential files
	PARALLEL COMPUTING LAB	*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. * 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. * Implement Min, Max, and Sum and Average operations using Parallel Reduction. *Write a CUDA Program for : 1. Addition of two large vectors, 2. Matrix Multiplication using CUDA C * HPC Mini Project: *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. *Convolutional neural network (CNN) (Any One from the following) *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. *Recurrent neural network (RNN) Use the Google stock prices dataset and design a time Series analysis and prediction system using RNN. *Deep Learning Mini Project:
	ADVANCED NETWORK LAB	*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 *Implement a web page index.htm for any client website (e.g., a restaurant website project) using following: a. HTML syntax: heading tags, basic tags and attributes, frames, tables, images, lists, links for text and images, forms etc. b. Use of Internal CSS, Inline CSS, External CSS * 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. * 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. *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. *Implement the program demonstrating the use of JSP. e.g., Create a database table students_info (stud_id, stud_name, class, division, city) using database like Oracle/MySQL etc. and display (use SQL select query) the table content using JSP *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.

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		* Design an application using AngularJS. e.g., Design registration (first name, last name, username, password) and login page using AngularJS. *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. *Design a login page with entries for name, mobile number, email id and login button. Use struts and perform following validations
	OPERATING SYSTEM LAB	*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 *Write an X86/64 ALP to accept a string and to display its length *Write an X86/64 ALP to find the largest of given byte/word/Dword/64 bit numbers *Write a switch case driven X86/64 ALP to perform 64 bit hexadecimal arithmetic operations (+,-,*,/) using macros. Define procedure for each operations *Write an X86/64 ALP to count the number of positive and negative numbers from the array. *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
	SOFTWARE DEVELOPMENT LAB	*Write an X86/64 ALP to detect protected mode and display the values of GDTR,LDTR,IDTR,TR and MSW register also identify CPU type using CPUID instruction *Write an X86/64 ALP to perform non-overlapped block transfer without string specific instructions. Blocks containing data can be defined in the data segment. *Write an X86/64 ALP to perform overlapped block transfer with string specific instructions. Blocks containing data can be defined in the data segment. *Write an X86/64 ALP to perform multiplication of two 8-bit hexadecimal numbers. Use successive addition and add and shift method

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 ApplicationSoftware: 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
	INFORMATION TECHNOLOGY 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, NetBeans
		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
	DIGITAL LABORATORY -2	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, NetBeans
	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

Name of Department	Name of the Laboratory	List of Experimental Setup
Artificial Intelligence and Data Science	ARTIFICIAL INTELLIGENCE LABORATORY	AI Tools installed
	DATA SCIENCE LABORATORY	Data Science Tools installed
	MACHINE LEARNING LABORATORY	ML Libraries Installation
	COMPUTER VISION LABORATORY	CV Libraries Installation

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	**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.
	COMMUNICATION SYSTEMS	**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.
	AUDIO VIDEO MECHATRONICS and LINEAR IC LAB	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,.
	SIGNAL PROCESSING LAB	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.
	VLSI AND EMBEDDED SYSTEM	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, Simulation of SRAM cell, Simulation of D flip flops,
	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.

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 & ENGG. GEOLOGY LAB-CIVIL	Plane table for civil survey Electronic total station Transit Theodolite Prismatic compass Minerals specimen Rocks specimen
	STRENGTH OF MATERIALS LAB-CIVIL	Flexural testing machine Tile abrasion testing machine Torsion testing machine Shear test on steel bar Bend and rebend test on steel.
	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
	PG RESEARCH LAB -Civil	Computers i3: 21 Qty, SAP 2000, AutoCAD, ETAB, MATLAB, Gram++ STAAD pro Software
	FLUID MECHANICS LAB-CIVIL	Wind Tunnel, Tilting flume

Computing Facilities

- Internet Bandwidth Capacity: :   **300 Mbps (1:1)**

- Number and configuration of System: :   **729**

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
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   :   **729**

- Total number of systems connected by WAN   :   **729**

Sr. No.	Name of the Dept.	Available Software Details
		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

1	**Computer Engineering & Information Technology**	Windows 10 Enterprise 2015 LTSB
		Windows 10 Enterprise 2016 LTSB
		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
		Windows Web Server 2012 R2
		Windows Server 2016 Standard
		Windows Server 2019 Essentials
		Windows Server 2019 Standard
2	**Electronics and Tele Communication Engineering**	MATLAB and Simulink Release 2023a
		VLSI Design software Xilinx make - ISE Series - US ISE FND Ver 5.1
		Micro-Cap 8
		OrCAD Capture
		OrCAD Pspice A/D
		OrCAD Layout plus
		VLSI Design Software, Xilinx Make ISE Series US-ISE Version 8.2i
		DSP Application Software (System Generator for DSP)
		IE3D Super Structure Design or Software
		CST Studio Suite Version 2014
		Proteus VSM Software
		Opti system V 13 0r Latest Software
		MATLAB 2020a with all Tools
3	**Electrical Engineering**	RS Logix 500 Software
		PSIM Software
		ETAP
		Auto CAD Electrical 2022 Free Educational License
4	**Mechanical Engineering**	Solid works Education Edition
		MSC Software
		MATLAB
		Mastercam X9 Educational
		Ansys Academic teaching introductory

		Intellicad
		Solid Edge V20 Classic Auto CAD 2022 3 Years Free Educational License Automation Sudio SS CNC Robo Dk Witness
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	**General Science**	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 Pratishthan. 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 l 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.

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 2022-23

Sr. No	Training Programmes	Agency/ Trainer	Duration / Schedule (Days)	Participants(Branches)	No of Participants
1	Career Awareness Session	VPKBIET	**1**	BE All Branches	**282**
2	Zensar ESD Awareness Session	VPKBIET	**1**	TE AI-DS,Computer,IT.E&TC	148
3	Amcat Awareness Session	Amcat	1	BE All Branches	192
4	SQL/PSQL Training	Zensar	10	TE AI-DS,Computer,IT.E&TC	149
5	Personality Development and Menstrual Hygiene Seminar for Female Students	Whisper & VPKBIET	1	SE,TE,BE All Branches (Girls Students)	140
6a	Aptitude Training	Zensar	4	TE AI-DS ,E&TC	72
6b	Aptitude Training	Zensar	6	TE Computer,IT	77
7	Aptitude Training	GTT Barclays	10	FE to BE All Branches	118
8	Java Training	Zensar	14	TE AI-DS,Computer,IT.E&TC	149
9	Oppourtinities of Higher Studies	VIIT	1	BE All Branches	70
10	Oppourtinity in Automotive and Design Field	Asiatech	1	SE,TE,BE Mechanical Branches	58

Academic Year 2021-22

Sr. No	Training Programmes	Agency/ Trainer	Duration / Schedule	Participants (Branches)	No of Participants
1	Aptitude Training Program	GTT Barclays	**11**	**TE,BE All**	**356**
2	Aptitude Training Program	GTT Barclays	6	TE Computer,IT,E&TC	207
3	Verbal Ability	GTT Barclays	3	**BE All**	231
4	C Programming	GTT Barclays	7	**BE All**	221
5	Aptitude & Verbal Ability Training	GTT Barclays	7	**BE All (2019-20 ^ 2020-21)**	23

6	SQL PLSQL	Zensar	10	TE Computer,IT,E&TC	128
7	Aptitude Training	Zensar	5	TE Computer,IT,E&TC	128
8	Python Training	Zensar	10	TE Computer,IT,E&TC	128
9	Aptitude Training Program	GTT Barclays	9	TE Civil.Electrical,Mechanical	99
10	Job Readiness	VPLBIET	1	FE	225
11	Networking & Developing your LinkedIn Profile	VPLBIET	1	FE	195
12	Core Java Training Program	Zensar	10	TE Computer,IT,E&TC	128
13	Oppourtinity of Higher Study	VIIT	1	**BE All**	42

Teaching and Learning Process

Curricula and syllabus for each of the Programmes as approved by the University

First Year Engineering

Department Name	Term	Subject	Hours per Week			Maximum Marks				Total
			L	PR	T	PP	TW	PR	OR	
FE	I	Engineering Mathematics-I	03	--	01	100	25	--	25	125
		Engineering Physics / Engineering Chemistry	04	02	--	100	-	25	--	125
		Systems in Mechanical Engineering	03	02	--	100	--	25	--	125
		Basic Electrical Engineering / Basic Electronics Engineering	03	02	--	100	--	25	--	125
		Programming and Problem Solving / Engineering Mechanics	03	02	--	100	--	25	--	125
		Workshop@	--	02	--	--	--	25	--	25

		Audit Course 1 Environmental Studies-I	02	--	--	--	--	--	--	--
	II	Engineering Mathematics-II	04	--	01	100	25	--	--	125
		Engineering Physics / Engineering Chemistry	04	02	--	100	--	25	--	125
		Basic Electrical Engineering / Basic Electronics Engineering	03	02	--	100	--	25	--	125
		Programming and Problem Solving / Engineering Mechanics	03	02	--	100	--	25	--	125
		Engineering Graphics	01	02	01	50	--	25	--	75
		Project Based Learning	--	04	--	--	25	50	--	75
		Audit Course Environmental Studies-II	02	--	--	--	--	--	--	--
		Audit Course Physical Education- Exercise and Field Activities	--	--	--	--	--	--	--	--

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)

Name of Department		Term	Subject	Hours per Week			Maximum Marks				Total
				L	P/D	T	PP	TW	PR	OR	
Civil Engineering	ME-I	I	5	21	4		500	50		50	600
		II	4	17	8		400	100		100	600
	ME-II	I	3	13	12		300	100		100	500
		II						200		100	300

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	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
	II	4. Fluid Mechanics	3	2	--	100	--	–	25	125

		5. Manufacturing Processes	3	--	--	100	--	--	--	100
		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	--	--	--

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	Subject	L	P/D	T	PP	TW	PR	OR	Total
	8. Audit course - VI	--	--	--	--	--	--	--	--
	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)

Department Name	Term		Subject	Hours per Week			Maximum Marks				Total
				L	P/D	T	PP	TW	PR	OR	
Mechanical Engineering	ME-I	I	1. Advanced Mathematics and Numerical	4	0	-	100	-	-	-	100

			Methods							
			2. Machine Vision System	4	0	-	100	-	-	-	100
			3. Total Integrated Automation Industry 4.0	4	0	-	100	-	-	-	100
			4. Engineering Research Methodology	4	0	-	100	-	-	-	100
			5. Elective-I	5	0	-	100	-	-	-	100
			6. Lab Practice-I	-	4	-	-	50	-	50	100
		II	1. Artificial Intelligence and Machine learning for Robotics	4	0	-	100	-	-	-	100
			2. Digital signal & Video processing	4	0	-	100	-	-	-	100
			3. Robotic operating system	4	0	-	100	-	-	-	100
			4. Elective -II	5	0	-	100	-	-	-	100
			5. Seminar I	-	4	-	-	50	-	50	100
			6. Lab Practice-II	-	4	-	-	50	-	50	100
	ME -II	I	1. Robotics application	4	0	-	100	-	-	-	100
			2. Automatic control & Power System	4	0	-	100	-	-	-	100
			3. Elective III	5	0	-	100	-	-	-	100
			4. Mini Project with Seminar	-	4	-	-	50	-	50	100
			5. Dissertation Stage I	-	8	-	-	50	-	50	100
		II	1. Industry Internship / In house Research Project	-	5	-	-	50	-	50	100
			2. Dissertation Stage I	-	50	-	-	150	-	50	200

Computer Engineering
Undergraduate (UG)

Department Name		Term	Subject	Hours per Week			Maximum Marks				Total
				L	P/D	T	PP	TW	PR	OR	
	SE	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
TE	I	DBMS	03			100				100
	I	TOC	03			100				100
	I	SPOS	03			100				100
	I	CNS	03			100				100
	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)

Department Name		Term	Subject	Hours per Week			Maximum Marks				Total
				L	P/D	T	PP	TW	PR	OR	
Master of Artificial Intelligence and Data Science	ME-I	I	MFDS	04			100				100
		I	BDS	04			100				100
		I	AI	04			100				100
		I	RM	04			100				100
		I	EL-I	05			100				100
		I	LP-I		08			50		50	100

Information Technology
Undergraduate(UG)

Department 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&COL	-	02	-		-	25	25	-	50
			DSAL	-	04	-		-	25	25	-	50
			OOPL	-	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
			DBMSL	-	4	-		-	25	25		50
			CGL	-	2	-		-	-	25	-	25
			PBL	-	4	-		-	50	-	-	50
			MAC-4	-	-	-		-	-	-	-	-
	TE	I	TOC	3	--	--	30	70	--	--	--	100
			OS	3	--	--	30	70	-	-	–	100
			ML	3	--	--	30	70	--	--	--	100
			HCI	3	--	--	30	70	--	--	--	100
			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&BDA	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
			DS&BDA 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

		Subject										Total
		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
			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	04

		PLC SCADA & APPL PQM E&HV	3	2	-	-			25	04
		Adv Cont	3		2*	-	25	-	-	04
		PROJECT-I	3	2	-	-		-	50	04
		AC		4	-	-	50	-	50	02
		Mooc	2#	-	2	-		--	50	–
			--	--	--		50		–	02
	II	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	TW	PR	OR	
Electronics and Telecommunication Engineering	SE	I 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
			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	3	--	--	100	--	--	--	100

		Java Programming)							
		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 (Advancd Java ProgrammingLab)	--	2	-	-		25	-	25
		Mini Project	--	4	-	-	25	50	--	75
		Internship	--	--	-	-	-100	-		100

75

		Subject								
		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
		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 counduct	-	-	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							
Artificial Intelligence and Data Science	TE Sem VI	Data science	4	-	-	30/70	-	-	-	100
		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 Engineering**

Sr. No	Name of Teacher	Details of the teaching Load hrs./Week						Project and Seminar	Total Load Hrs./ Wk
		Theory			Practical/Tutorial				
		Subject	Class	Load	Subject	Class-Batch	Load	Load	
1	Dr. A. P. Hiwarekar	Engineering Mathematics-I	FE - I & VII	6	Engineering Mathematics-I	1b, '2c, 3a, 6b, 5c	5	0	11
2	Mr. D. S. Sonawane	Engineering Mathematics-I	FE - IV & VI	6	Engineering Mathematics-I	1c, 2b, 3c, 4c, 6a, 7a	6	0	12
3	Ms. G. G. Bhoite	Engineering Mathematics-I	FE - III & V	6	Engineering Mathematics-I	2a, 3b, 4a, 5a 6c, 7b	6	0	12
4	Mr. A. M. Jadhav	Engineering Mathematics-I	FE - II	3	Engineering Mathematics-I	1a, 4b, 5b, 7c	4	0	7
5	Dr. N. K. Sahuji	Engineering Physics	FE-II	4	Engineering Physics	4b	2	0	6
6	Mr. A. S. Disale	Engineering Physics	FE - I	4	Engineering Physics	1a, 1b, 1c,2b, 2c, 4a,	12	0	16
7	Dr. N. T. Shelke	Engineering Physics	FE - III & IV	8	Engineering Physics	3a, 3b, 3c, 2a, 4c	10	0	18
8	Dr. A. G. Sajjan	Engineering Chemistry	FE - V	4	Engineering Chemistry	5a, 5b, 5c, 6a, 7a	10	0	14
9	Dr. N. A. Jadhav	Engineering Chemistry	FE - VI & VII	8	Engineering Chemistry	6b, 6c, 7b, 7c	8	0	16
10	Mr. M. M. Jadhav	Basic Electronics Engineering	FE - V & VII	6	Basic Electronics Engineering	5a, 5b, 5c, 7a, 7b, 7c	12	0	18

11	Ms.S. A. Chillure	Basic Electronics Engineering	FE - VI	3	Basic Electronics Engineering	6a, 6b, 6c	6	0	9
12	Ms. J. S. Kulkarni	Basic Electrical Engineering	FE - I, II & IV	9	Basic Electrical Engineering	2a, 2b, 2c	6	0	15
13	Mr.A. V. Golande	Basic Electrical Engineering	FE - III	3	Basic Electrical Engineering	3a, 3b, 3c	6	0	9
14	Mr. Akshay Akhade	Basic Electrical Engineering	–	0	Basic Electrical Engineering	1a, 1b, 1c, 4a, 4b, 4c	12	0	12
15	Mr.Y. H. Tambe	Engineering Mechanics	FE -V & VII	6	Engineering Mechanics	5a, 5b, 5c, 7a, 7b	10	0	20
		EVS-I (Audit Course)	FE -V & VII	4	EVS-I (Audit Course)	—-	0	0	
16	Mr. D. S. Bhosale	Engineering Mechanics	FE - VI	3	Engineering Mechanics	6a, 6b, 6c, 7c	8	0	20
		Systems in Mechanical Engineering	FE-VI	3	Systems in Mechanical Engineering	–	0	0	
		Workshop	—-	0	Workshop	6a, 6b, 6c	6	0	
17	Dr. R. J Patil	EVS-I (Audit Course)	FE I & II	4	Engineering Mechanics	—-	0	0	4
18	Dr. N. T. Suryavanshi	EVS-I (Audit Course)	FE III, IV & VI	6	EVS-I (Audit Course)	—-	0	0	6
19	Mr. V. B. Bhagwat	Systems in Mechanical Engineering	FE - I & II	6	Systems in Mechanical Engineering	1a, 1b, 1c, 2a, 2b, 2c, 6a	14	0	20
20	Dr. V. C. Todkari	Systems in Mechanical	FE - V, VII	6	Workshop	5a, 5b, 5c, 7a,	14	0	20

		Engineering				7b, 7c, 6b		
21	Mr. P. V. Dhandore	Systems in Mechanical Engineering	FE - III & IV	6	Systems in Mechanical Engineering	3a, 3b,3c 4a, 4b,4c, 6c	14	0	20
22	Mr. S. N. Dhage	Programming and Problem Solving (PPS	FE - I & I I	6	Programming and Problem Solving (PPS	1a, 1b, 1c, 2a, 2b, 2c	12	0	18
23	Ms. N. P. Shaha	Programming and Problem Solving (PPS	FE - III & IV	6	Programming and Problem Solving (PPS	3a, 3b, 3c, 4a, 4b, 4c	12	0	18
24	Mr. D. D. Rupanwar	Workshop	------	0	Workshop	5a,5b	4	0	4
25	Mr. A. H. Kolekar	Workshop	------	0	Workshop	1a, 1b, 1c	6	0	6
26	Mr. H. P. Borate	Workshop	------	0	Workshop	2a, 2b	4	0	4
27	Ms. V. B. Gawande	Workshop	------	0	Workshop	3a, 3b, 3c	6	0	6
28	Ms. P. D. Kale	Workshop	------	0	Workshop	4a, 4b	4	0	4
29	Mr. S. V. Shelge	Workshop	------	0	Workshop	7a. 7b	4	0	4
30	Mr. S. H. Kumbhar	Workshop	------	0	Workshop	7c, 4c	4	0	4
31	Ms. M. S. Yadav	Workshop	------	0	Workshop	2c, 5c	4	0	4

- **Mechanical Engineering : Semister-1 :Academic Year 2022-23**

Sr. No	Name of Teacher	Details of the teaching Load hrs./Week						Project and Seminar	Total Load Hrs./Wk
		Theory			Practical/Tutorial				
		Subject	Class	Load	Subject	Class-Batch	Load	Load	
1	Dr. P. R. Chitragar	HT ERM	TE ME	03 04	HT	TE-4	08	02	13
2	Dr. S. M. Bhosle	EMM LP-I	SE ME	03 04	EMM	SE-4	08	02	13
3	Dr. M. S. Lande	ELE-II IE	BE	03	DM LAB	TE-4	08	02	13
4	Dr. A. H. Kolekar	ET	SE	03	ET(Pr) SD(Pr) WS(Pr)	SE-4 TE-2 FE-3	08 04 06	02	23
5	Dr. V. B. Gawande	N&SM	TE	03	N&SM(Pr) SD(Pr) WS(Pr)	TE-2 TE-2 FE-3	04 04 06	02	19
6	Mr .S.V .Shelge	SMD ELE-I(CAD/CAM)	SE ME	03 03	SMD(Pr) EEE(Pr) WS(Pr)	SE-4 SE-4 FE-2	08 08 04	02	25
7	Mrs. P. D. Kale	DOM	BE	03	DOM(Pr) GDTL(Pr) WS(Pr)	BE-4 SE-4 FE-2	08 08 04	02	25
8	Mr. D. D. Rupanawar	MTX TIAI	TE ME	03 04	MTX(Pr) DAL(Pr) WS(Pra)	TE-4 BE-4 FE-2	08 08 04	02	25
9	Mr. H. P. Borate	SM OR	SE BE	04 03	SM(Pr) WS(Pr)	SE-4 FE-2	08 04	02	21
10	Mr. K. M. Jadhav	HVAC&R PGDERP	BE	03	HVAC&R(Pr)	BE-4	08	02	13
11	Mr. S. H. Kumbhar	DME ELE-IV PDD	TE BE	03 03	DME(Pr) WS(Pra)	TE-4 FE-2	08 04	02	20
12	Ms. M. S. Yadav	EEE TM	SE BE	03 02	TM(Pr) WS(Pra)	BE-4 FE-2	08 04	02	19
13	Mr. V. B. Bhagwat	SME	FE	06	SME(Pr) EM(Pr)	FE-6 FE-2	12 04	02	24
14	Mr. P. V. Dhandore	SME ELE-I	FE BE	06 03	SME(Pr)	FE-6	12	02	23

15	Dr. V. C. Todkari	SME	FE	06	SME(Pr) EM(Pr)	FE-6 FE-2	12 04	02	24
16	Mr. D. S. Bhosale	EM	FE	09	EM(Pr)	FE-5	10	02	21
17	Mr. S. C. Mahadik	One Year Deputation for COEP's PGDERP Course							

- **Mechanical Engineering : Semister-2 :Academic Year 2022-23**

Sr. No	Name of Teacher	Details of the teaching Load hrs./Week						Project and Seminar	Total Load Hrs./Wk
		Theory			Practical/Tutorial				
		Subject	Class	Load	Subject	Class-Batch	Load	Load	
1	Dr. P. R. Chitragar	EE	BE	03	EE	BE-4	08	02	13
2	Dr. S. M. Bhosle	MP ELE-II	SE ME	03 05	MS-I(PR)	SE-4	08	02	18
3	Dr. M. S. Lande	CIM	BE	03	CIM(PR)	BE-4	08	02	13
4	Dr. A. H. Kolekar	ATD AIML AIMLR	SE TE ME	03 03 04	ATD(PR)	SE-4	08	02	20
5	Dr. V. B. Gawande	EG ELE-VI	FE BE	01 03	EG(PR) EG(TUT) PBL(PR)	FE-3 FE-3 SE-1	06 03 02	02	17
6	Mr .S.V .Shelge	CAE	TE	03	CAE(PR) PBL(PR)	SE-4 SE-2	8 4	02	17
7	Mrs. P. D. Kale	KOM	SE	03	KOM(PR) ML(PR)	SE-4 TE-2	08 04	02	17
8	Mr. D. D. Rupanawar	ELE-II(CM) ROS	TE ME	03 04	FP&CL(PR) AI&ML(PR)	TE-4 TE-2	08 04	02	21
9	Mr. H. P. Borate	DTS	TE	03	DTS(PR) ML-2(PR) PBL(PR)	TE-4 TE-2 SE-1	08 04 02	02	19
10	Mr. K. M. Jadhav	EG AC-IV	FE SE	01 01	EG(PR) EG(TUT)	FE-3 FE-3	06 03	02	13
11	Mr. S. H. Kumbhar	ELE-V	BE	03	MSAL(PR)	BE-4	08	02	13
12	Ms. M. S. Yadav	FM	SE	03	FM(PR) AI&ML(4)	SE-4 TE-2	08 04	02	17

13	Mr. V. B. Bhagwat	EG AC-VI	FE TE	01 01	EG(PR) EG(TUT)	FE-5 FE-3	10 3	02	17
14	Mr. P. V. Dhandore	EG	FE	02	EG(PR) EG(TUT)	FE-5 FE-6	10 6	02	20
15	Dr. V. C. Todkari	EG	FE	02	EG(PR) EG(TUT)	FE-5 FE-6	10 6	02	20
16	Mr. D. S. Bhosale	EM	FE	06	EM(PR)	FE-6	12	02	20
17	Mr. S. C. Mahadik	One Year Deputation for COEP's PGDERP Course							

- **Computer Engineering : Semister-1 :Academic Year 2022-23**

Sr. No	Name of Teacher	Details Of the teaching Load hrs./Week						Project and Seminar	Total Load Hrs./Wk
		Theory			Practical/Tutorial				
		Subject	Class	Load	Subject	Class-Batch	Load	Load	
1	Dr. S. K. Shinde	ML ML	BE ME-I	03 04	LP-III	BE	04	Project=02	13
2	Dr. D. B. Hanchate	DAA RM	BE ME-I	03 04	LP-III LP-I	BE ME-I	04 04	Project=02	17
3	Dr. C. S. Kulkarni	STQA AI COI	BE ME-I ME-I	03 04 01	LP-IV LP-I	BE ME-I	04 04	Project=02	18
4	Mrs. G. J. Chhajed	TOC OMD	TE BE	03 03	LP-IV ELE-I-BDS SEMINAR	BE ME-I ME-I	04 04 04		19
5	Mrs. S. S.Nandgaonkar	SPOS MFDS DM	TE ME-I SE	03 04 03	LP-I	TE	08	Project=02	20
6	Mr. R. H. Ambole	OOP(3)	SE	03	OOPCGL HSS DS-I	SE SE ME-II	08 04 04		19
7	Mr. M. D. Shelar	DBMS SDS	TE ME-II	03 04	DBSL DS-I	TE ME-II	08 04		19
8	Mr. P. M. Paithane	DELD SC&DL	SE ME-II	03 02	DEL DMSL	SE TE	08 08		19
9	Mr. V. V. Rampurkar	FDS	SE	03	DSL SEM	SE TE	12 04		21
10	Mr. S. N. Dhage	BT SC&DL	BE ME-II	03 02	BCSL LP-III	SE BE	08 08		21
11	Ms. T. V. Bhandare	CG CNS ELE-II(BI)	SE TE ME-II	03 03 03	CNL OOPCGL	TE SE	08 04		21

| 12 | Ms. N. P. Shah | ESIOT ELE-II(BI) | TE ME-II | 03 02 | LP-I OOPCGL DSL | TE SE SE | 08 04 04 | | 21 |

- **Computer Engineering : Semister-2 :Academic Year 2022-23**

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. K. Shinde	DSBDA	TE	04	COC DSBDL	SE TE	04 04	Project= 02	14
2	Dr. D. B. Hanchate	AI	TE	04	LP-II LP II	TE ME I	08 04	Project= 02	18
3	Dr. C. S. Kulkarni	SE VR ARI	SE ME I	03 04	PBL-II Mini Project with Seminar	SE ME	06 04		17
4	Mrs. G. J. Chhajed	PPL	SE	03	DSL PBL-II LP-VI	SE SE BE	08 02 04	Project= 02	19
5	Mrs. S. S. Nandgaonkar	DL ML	BE ME I	03 04	DSBDAL LP - V PBL-II	TE BE SE	04 04 02	Project= 02	19
6	Mr. R. H. Ambole	HPC IS	BE TE	03 04	LP-II	TE	08	Project= 04	19
7	Mr. M. D. Shelar	WT DWM	TE ME I	04 04	WTL LP - V	TE BE	08 04	Project= 02	22

8	Mr. P. M. Paithane	MP IP WI	SE BE ME	03 03 05	MPL PBL-II	SE SE	08 04		23
9	Mr. V. V. Rampurkar	DSA	SE	03	DSAL DSBDAL	SE TE	08 08	Project= 02	21
10	Ms. T. V. Bhandare	SC	BE	03	PBL LP VI	SE BE	04 04	Project= 08	19
11	Mr. S. N. Dhage	PPS	FE	6	PPSL	FE	08		14
12	Ms. N. P Shah	PPS	FE	3	PPSL	FE	10		13

- **Information Technology : Semister-1 :Academic Year 2022-23**

Sr. No	Name of Teacher	Details of the teaching Load hrs./Week						Project and Seminar	Total Load Hrs./Wk
		Theory			Practical/Tutorial				
		Subject	Class	Load	Subject	Class-Batch	Load	Load	
1	Dr. Takale Sheetal	DL	BE	3	LP-IV	BE	8		11
2	Mr. P.M. Patil	ML CV	TE,BE	6	LP - I	TE	8		14
3	Mr. Kare Santosh	DS, DS Tut -1	SE	3	OSL , ISR , LP-III	TE, BE	15		19
4	Mr. Laxman Deokate	DSA , TIC	SE, TE	6	DSAL	SE	12		18
5	Mr. Bhagwat Keshav	OOP, SPM	SE, TE	6	OOPL	SE	12		18
6	Ms. Y.N.Sakhare	BCN, HCI	SE, TE	6	HCIL	TE	8		14
7	Ms. Komal Jadhav	IOT, MC	TE, BE	6	OOPL, LP -I	SE, TE,	12		18
8	Mr Salve Bhausaheb	LDCO	SE	3	LDOCL, LP-III	SE, BE	16		19
9	Ms. Priyanka Kokare	OS	TE	3	OSAL, DSAL	SE, TE	16		19
10	Mr. Anil Patil				SSL	SE	8		8

- **Information Technology: Semister-2 :Academic Year 2022-23**

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. Takale Sheetal	AI	TE	3	LP-II(AI)	TE	8		11
2	Mr. P.M. Patil	DSBDA	TE	3	DSBDAL, DBMSL	TE, SE	12		15
3	Mr. Kare Santosh	CNS	TE, BE	3	CNSL, Internship,	SE,TE	14		17
4	Mr. Laxman Deokate	CG, NLP, S&E	SE, BE	9	CGL	SE	8		17
5	Mr. Bhagwat Keshav	PA	SE	3	PSDL, LP-IV	SE, BE	14		17
6	Ms. Y.N.Sakhare	SE, DS	SE, BE	6	LP-V	BE	10		16
7	Ms. Priyanka Kokare	DBMS,	SE	3	DBMSL, PBL	SE	16		19
8	Mr Salve Bhausaheb	WAD	TE	3	LP-II (WAD),PBL	SE, TE	16		19
9	Temporary	EH&S	BE	3	CNSL, EH&S LP-VI	TE, BE	12		15
10	Ms. S. S. Ghadge	EM-III	SE	3	EM-III Tut	SE	4		7

- **Electrical Engineering: Semister-1 :Academic Year 2022-23**

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	Mr.R.S.TARADE	PQ	BE	03	PQ	BE-4	08	04	15
2	Mrs.S. D. ROKADE	AMA PLC & SCADA	TE BE BE	03 03	PLC & SCADA	BE-4	08	04	18
3	Mr.P.D.UPADHYE	MS	SE	03	MS	SE-4	16	04	23
4	Mr.D.S.YEOLE	EIDCBM	TE	03	EIMT	TE-4	16	04	23
5	Mrs.P.N.JAISWAL	EM-II EHV AC V	TE BE TE	03 03 02	EM-II	TE-4 BE 1(T)	8 2	04	22
6	Mrs.J.S.KULKARNI	BEE	FE	06	BEE	FE-	14	04	24

7	Mr.Hafiz SHAIKH	PGT ACS AC-V	SE BE TE	03 03 02	ACS	BE-4	08	04	20
8	Mr.S.D.SHELAR	ITM PSOC AC III	TE BE SE	03 03 02	PSOC	BE-4	08	04	20
9	Msrs. V.V Deokate	EMI	SE	03	EMI	SE-4	16	04	23
10	Mr.S.K Raskar	PE	TE	03	PE	TE-4	16	04	23
11	Mr. . A V. Golande	BEE ADE	FE SE	03 03	BEE ADE	FE _2 SE-4	4 8	04	22
12	Mr.Amol Jadhav	ENGG. MATHS-III	SE	03	AMEE	SE-1	08	-	11
13	Dr.A.B Patil	SS	-	-		SE-4	02	-	08

- **Electrical Engineering: Semister-2 :Academic Year 2022-23**

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	Mr.R.S.TARADE	AEDC	BE	03	EM I AEDC	SE-2 BE-4	04 08	04	19
2	Mrs.S. D. ROKADE ADAM	FMA AC-IV	SE SE	03 02	FMA PBL	SE-4	16	04	25
3	Mr.P.D.UPADHYE	NA EM	SE TE	03 03	NA PBL	SE-4	08	04	18
4	Mr.D.S.YEOLE	PS-I	SE	03	CSE PBL	TE 4 PBL	08 08	04	23
5	Mrs.J.S.KULKARNI	BEE	FE	08	BEE	FE-4	08	04	22
6	Mr.Hafiz SHAIKH	NMCP CSE	SE TE	03 03	NMCP CSE	SE-4 TE-2	08 04	04	22
7	Mr.S.D.SHELAR	EM- I CADEM AC VI	SE TE TE	03 03 02	CADEM	TE-3	12	04	24
8	Mr.S.K Raskar	PS-II SG	TE BE	03 03	PS-II PS II (T) PBL	TE- 4 TE SE-1	08 4 04	4	26
9	Mr. . A V. Golande	BEE IE AC VIII	FE BE BE	03 03 02	BEE CADEM	FE-3 TE-1	06 04	04	22
10	Mr. A. B. Akhade	SGP	BE	03	EM - I SGP PBL	SE- 2 BE -4 SE	04 08 04	04	23

- **Artificial Intelligence and Data Science: Semister-1 :Academic Year 2022-23**

Sr. No	Name of Teacher	Details of the teaching Load hrs./Week						Project and Seminar	Total Load Hrs./Wk
		Theory			Practical/Tutorial				
		Subject	Class	Load	Subject	Class-Batch	Load	Load	
1	Dr. Arvind M Jagtap		SE		DSL	SE	2		13
		ELE-DT	TE	3	DTL	TE	8		
2	Mr. Digambar M Padulkar	FDS	SE	3	DSL	SE	4		18
		AI	TE	3	SL-1	TE	8		
3	Mr. Sahil K Shah	DM	SE	3					14
		DBM	TE	3	SL-1	TE	8		
4	Mrs. Rohini Naik	OS	SE	3	OSL	SE	2		16
		CN	TE	3	CNL	TE	8		
5	Mr.Pradip Ghorpade	OOP	SE	3	OOPL&CG OSL	SE	4 8		18
		WT	TE	3					
6	Mr.Pradip Shendge	CG	SE	3	OOPL&CG DSL		8 4		15
7	Faculty from Civil Engg.	ES	TE	1					1
8	Mr. Anil Patil (General Science)				HSS	SE			4

- **Artificial Intelligence and Data Science: Semister-2 :Academic Year 2022-23**

Sr. No	Name of Teacher	Details of the teaching Load hrs./Week						Project and Seminar	Total Load Hrs./Wk
		Theory			Practical/Tutorial				
		Subject	Class	Load	Subject	Class-Batch	Load	Load	
1	Dr. Arvind M Jagtap	SE	SE	3					13
		EL-II	TE	4	Mini project	TE	6		
2	Mr. Digambar M Padulkar	DSA	SE	3					17
		ANN	TE	4	SL-II	TE	10		

3	Mrs. Rohini Naik	MIS	SE	3					17
		DS	TE	4	SL-III	TE	10		
4	Mr.Pradip Ghorpade				DSAL	SE	12		18
		CS	TE	4	SL-III	TE	2		
5	Mr.Pradip Shendge	IOT	SE	3	IOTL	SE	12		17
					SL-II	TE	2		
6	Faculty from FE	STAT	SE						3

- **Electronics and Telecommunication Engineering: Semister-1 :Academic Year 2022-23**

Sr. No	Name of Teacher	Details of the teaching Load hrs./Week						Project and Seminar	Total Load Hrs./ Wk
		Theory			Practical/Tutorial				
		Subject	Class	Load	Subject	Class-Batch	Load	Load	
1	Dr. S.B. Lande	DC	BE-A	3	DC EC	BE SE	8 4		15
2	Dr.R.K. Shastri	VLSI	BE-A&B	6	VLSI	BE_A&B	8		14
3	Mr. Deshmukh V.U.	ElX Ckt RMT	SE BE-A	3 3	ElX Ckt RMT	SE BE	8 4		18
4	Dr. Patil B.H.	RMT	BE-B	3	RMT	BE-B	8		11
5	Mr. Kadbe P.K.	DS	SE	3	DS SD	SE TE	8 8		19
6	Dr.Rangole J.S.	MC	TE	3	MC Digital CKt	TE SE	8 4		15
7	Mrs.Surwase V.S.	Dig. Ckt	SE	3	Dig.Ckt SD ESD	SE TE SS	4 4 8		19
8	Mr.Jagdale S.S.	DBM E-3(MIoT)	TE BE-A	3 3	DBM El-3	TE BE-A	8 4		18
9	Mr. Biradar S.D.	E-4(EPD) E-3(MIoT)	BE-A&B BE-B	6 3	E-3	BE-B	8		17
10	Mr.Jadhav M.M.	EMT BXE	TE FE	3 3	EMT BXE	TE FE	4 8		18
11	Mr.kolhar S.U.	Elect.Ckt E-1(FJP)	SE TE	3 3	Elect.Ckt E-1(FJP)	SE TE	4 8		18
12	Mr. Piske R.S.	CC	BE A&B	6	CC	BE A&B	12		18
13	Ms. More M.U.	BXE	FE	6	BXE	FE	10		16

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- **Electronics and Telecommunication Engineering: Semister-2 :Academic Year 2022-23**

Sr. No	Name of Teacher	Details of the teaching Load hrs./Week						Project and Seminar	Total Load Hrs./ Wk
		Theory			Practical/Tutorial				
		Subject	Class	Load	Subject	Class-Batch	Load	Load	
1	Dr. S.B. Lande	CN	TE	3	CN	TE	8		11
2	Dr.R.K. Shastri	RS	BE-A&B	6	PBL	SE	8		14
3	Mr. Deshmukh V.U.	CS	SE	3	CS IE	SE BE-A	8 6		17
4	Dr. Patil B.H.	PCS	SE	3	PCS MP	SE TE	8 2		11
5	Mr. Kadbe P.K.	PDC	TE	3	PDC MP	TE TE	8 6		17
6	Dr.Rangole J.S.				MP	TE	8		08
7	Mrs.Surwase V.S.	BXE	FE	6	BXE	FE	12		18
8	Mr.Jagdale S.S.	FOC	BE A&B	6	FOC	BE A&B	12		18
9	Mr. Biradar S.D.	E-5(BMS)	BE-A&B	6	E-5	BE A&B	12		18
10	Mr.Jadhav M.M.	BXE	FE	6	BXE	FE	12		18
11	Dr. kolhar S.U.	E-2(AJP)	TE	3	E-2(AJP) DAL	TE SE	8 4		15
12	Mr. Piske R.S.	PM	TE	3	DAL DI.Bu.M	SE BE A&B	4 12		19
13	Mr. Trankatwar S.R.	SS	SE	3	SS PBL	SE TE	4 8		15
14	Ms.Chillure S.A.	OOP	SE	3	OOP IE	SE BE-B	8 6		17
15	Dr. A.B. Patil	ESD	SE	2	ESD	SE	8		10

- **Civil Engineering: Semister-1 :Academic Year 2022-23**

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. G. N. Narule	Transportation Engineering	BE	3	Transportation Engineering	BE	8	-	15
		Retrofitting and Strengthening of R C Structures: Elective III	ME	4					
2	Dr. C. B. Nayak	Elective III (Advance Design of Concrete Structures)	BE	3	Elective III (Advance Design of Concrete Structures)	BE	8	-	15
					Lab Practice I	ME-I	4		
3	Dr. S. G. Morkhade	Design of Steel Structures	TE	3	Design of Steel Structures	TE	16	-	23
		Advanced Design of Steel Structures	ME-I	4					
4	Dr. R. J. Patil	Water Supply Engineering	TE	3	Water Supply Engineering	TE	8	-	15
		Env. Studies	FE	4					
5	Dr.N.T. Suryawanshi	Env. Studies	FE	8				-	21
		Engineering Economics and Financial Management	TE	3					
					Integrated water resource planning & Management	BE	8		
					Introduction to constitution	ME	2		
6	Mr. D. G. Patil	Elective-IV (Airport and Bridge Engineering)	BE	3	Elective-IV (Airport and Bridge Engineering)	BE	8		13
		Economics and Finance for Civil Engineering: Elective I (Module II)	ME-I	1					
		Safety practices in construction: Elective III (Module II)	ME-II	1					
7	Ms. S. B. Walke	Building Technology and Architectural Planning	SE	3	Building Technology and Architectural Planning	SE	16	-	23

Sr No	Name of Teacher	Theory Subject	Class	Load	Practical/Tutorial Subject	Class	Load	Project and Seminar Load	Total Load Hrs./Wk
		Structural Dynamics	ME-I	4					
8	Mr. U. T. Jagdale	Mechanics Of structure	SE	3	Mechanics Of structure	SE	16	-	23
		Numerical Method in Structural Engineering	ME-I	4					
9	Ms. J. C. Bhong	Engineering Geology	SE	3	Engineering Geology	SE	8	1	17
		Design of Foundations: Elective I	ME-I	4					
		Audit Course-I	TE	1					
10	Mr. D. D. Ahiwale	Application of Python in Civil Engineering	BE	1	Application of Python in Civil Engineering	BE	8	4	18
		Audit Course-I	BE	1					
		Analysis and Design of Earthquake Resistant Structures	ME-II	4					
11	Mr. R. R. Khartode	Elective I (Advance Concrete Technology)	TE	3	Elective I (Advance Concrete Technology)	TE	8		15
		Research Methodology	ME-II	4					
12	Mr. A. M. Gaikwad	Hydrology and Water Resources Engineering	TE	3	Hydrology and Water Resources Engineering	TE	8	-	18
		Integrated water resource planning & Management	BE	3					
		Theory of Elasticity & Plasticity	ME-I	4					
13	Ms. P. A. Bokey	Fluid Mechanics	SE	3	Fluid Mechanics	SE	8	-	15
		Foundation Engineering	BE	3					
		Audit Course-I	SE	1					

- **Civil Engineering: Semister-2 :Academic Year 2022-23**

Sr. No	Name of Teacher	Details of the teaching Load hrs./Week						Project and Seminar Load	Total Load Hrs./Wk
		Theory			Practical/Tutorial				
		Subject	Class	Load	Subject	Class-Batch	Load	Load	
1	Dr. G. N. Narule	Design of RC structures	TE	3	Design of RC structures	TE	16	2	21

2	Dr. C. B. Nayak	Quantity Surveying, Contracts and tenders	BE	3	Quantity Surveying, Contracts and tenders	BE	8	2	13
3	Dr. S. G. Morkhade	Advanced Design of Concrete Structures	ME-I	4				7	15
		Structural Analysis	SE	3	Structural Analysis	SE	1		
4	Dr. R. J. Patil	Waste Water Engineering	TE	3	Waste Water Engineering	TE	8	2	19
		Env. Studies	FE	6					
5	Dr.N.T. Suryawanshi	Project Management	SE	3				8	16
		Irrigation & drainage	BE	3	Irrigation & drainage	BE	2		
6	Mr. D. G. Patil	Elective-II: Architecture and Town Planning	TE	3	Elective-II: Architecture and Town Planning	TE	8	2	16
		Elect.VI- Rural water & sanitation	BE	3					
7	Ms. S. B. Walke	Elect -V Struct. Audit & retroffiting of strcuctures	BE	3	Elect -V Struct. Audit & retroffiting of strcuctures	BE	6	2	16
		Finite Element Method	ME-I	4					
		Elective-II: Building Services and Maintenance	ME-I	1					
8	Mr. U. T. Jagdale	Elect VI-Green Structures and Smart Cities	BE	3				4	15
		Elective-II: Design of Pre-stressed Concrete Structures	ME-I	4	Lab Practice-II	ME-I	4		
09	Ms. J. C. Bhong	Geotechanical Engg.	SE	3	Geotechanical Engg.	SE	8	2	19
		Project base learning	SE	4	Internship	TE	2		
10	Mr. D. D. Ahiwale	Survey	SE	3	Survey	SE	16	2	21
11	Mr. R. R. Khartode	Concrete Technology	SE	3	Concrete Technology	SE	8	2	17
		Theory of Plates & Shells	ME-I	4					
12	Mr. A. M. Gaikwad	Dams and Hydraulic Structures	BE	3	Dams and Hydraulic Structures	BE	8	2	17
		Env. Studies	FE	4					

13	Ms. P. A. Bokey	Remote Sensing and GIS	TE	3	Remote Sensing and GIS	TE	8	2	15
					Audit Course II: Leadership and Personality Development/ Industrial Safety	TE	1		
					Audit Course II Social Responsibility / Human Rights	TE	1		
14	Mr. Y.H.Tambe	Engineering Mechanics	FE	6	Engineering Mechanics	FE	12	-	22
		Environmental Studies I	FE	4					

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

Dept Name	Name of the Laboratory	Major Equipment's/Facilities
Computer Engineering	**PG Lab**	Computer: HP - 202G2 i3, Dell Optiplex 3010D i3 Projector: Benq MX560P Choose a dataset from UCI Machine Learning repository (e.g. Cleveland). a) Compute and display summary statistics for each feature available in the dataset. (eg. minimum, maximum, mean, range, standard deviation, variance and percentiles). Use a bar-graph to demonstrate your results. b) Data Visualization-Create a histogram for each feature in the dataset to illustrate the feature distributions. Plot each histogram. c)Create a boxplot for each feature in the dataset. All of the boxplots should be combined into a single plot. Compare distributions and identify outliers. Assignment 2 a) Take any dataset from UCI repository (like air quality dataset) and perform regression analysis on it. Demonstrate your results using appropriate visualization techniques for numerical and categorical features (e.g. histogram, scatter plot, heat map, box plot). b) Compute Eigenvalues and Eigenvectors for dataset in part a. * Implement Naive Bayes algorithm, using Java/Python/R to classify a dataset from UCI repository. (Do not use built-in functions for naive bayes). Compare the performance of your implementation with the Naive Bayes classifier from the Weka tool/R/Python. Present the Confusion matrix for each classifier. For measuring performance use at least five metrics such as accuracy, precision, recall, F-measure etc. Assignment 2. Take a

		sample dataset (The lab teacher may provide it). Plot the data using appropriate graphs (e.g. scatter diagram). Perform normality and symmetry tests on it using at least one graph method and at least one statistical test. Analyze the results. Then evaluate Spearman's Rank Correlation for this data. *Implement 3 missionaries and 3 cannibal problems depicting appropriate graphs. Use A* algorithm. *Implement any one of the following Expert Systems , i. Medical Diagnosis of 10 diseases based on adequate symptoms ii. Identifying birds of India based on characteristics *Select appropriate research topics in consultation with the lab teacher. Prepare a research proposal for the same. Follow the standard format for preparation of research proposals. *Prepare a patent application for the system mentioned above. *Mini-project: Build Cloud storage service system based on open source tools. Design and develop applications to upload and download the data of different types (block, object, file). *Mini-project: Design an ERP system for college using appropriate Information Systems Management concepts.

10.16   Enrollment and placement of students in the last 3 year

S. No.	Name of Branch	Fourth year Enrollment			Placement		
		2022-23	2021-22	2020-21	2022-23	2021-22	2020-21
1	Civil Engineering	93	72	68	6	19	18
2	Mechanical Engineering	94	65	70	9	43	36
3	Electrical Engineering	90	70	70	17	35	37
4	E&TC Engineering	120	96	111	25	52	68
5	Computer Engineering	84	68	74	36	59	63
6	Information Technology	83	74	68	24	54	50
	Total:	**564**	**445**	**461**	**117(till date)**	**262**	**272**

10.17 List of Research Projects

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 Telecommunic	Dr. Sudhir Lande	2021-22	Ministry of Education	2,1500

	ation Engineering			,Innovation Cell	

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 Laptop or Smartphone	Computer Engineering	Mrs. G. J. Chhajed	2016-18	BCUD, SPPU, Pune	72,000
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 using Association Rule Mining	Computer Engg.	P. M. Padulkar	2014-16	BCUD, SPPU, Pune	Rs.80,000
Inpainting of Digitized Vintage Films via	Information Technology	S. A. Shinde	2014-16	BCUD, SPPU, Pune	

Maintaining Spatiotemporal Continuity					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
Detection of spyware using data mining and machine learning techniques Duration	Information Technology	Mr. Dinesh Zende	2013-15	BCUD, SPPU, Pune	70,000

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 for semiar 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
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 IIITDM, 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 diplois 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 (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

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
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. Chittranjan 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
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 (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.Narule, 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.Khartode	Civil Engg.	1950
Daund Nagar Parishad	Other	Government	Consultancy & Advisory Service	Water Audit of buildings	Dr.G.N.Narule	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- Assist. Engg. Irrigation Sub., Baramati	Construction	Private	Consultancy & Advisory Service	Concrete Cube Testing	Mr.U.T. Jagdale	Civil Engg	20,000.00
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 &	Structural Audit of School	Dr. G. N. Narule	Civil Engg.	210000 (B

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			Advisory Service	building No.3,4 &6			ill submitted)
Gargate and son's Pvt.Ltd.	Construction	Private	Consultancy & Advisory Service	Concrete Cube Testing	Mr.U.T. Jagdale	Civil Engg	1,200.00
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.A hiwale	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 Scpous	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 Scpous	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**
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**
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 and analytical investigation	Nayak, C.B, Narule G.N	Journal of King Saud University - Engineering Sciences	Elsevier	Civil Engineering	2022
20	Implementation of Reliability Antecedent Forwarding Technique Using Straddling Path	Dr. Santaji Krishna Shinde	Wireless Communications and Mobile Computing	Hindawi	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
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 SiO2 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

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 Publicati on	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 Universit y 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	Genral 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	Tailor & Francis	Mehaniacal 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	Huazhon g 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.	Huazhon g Universit y of Science &	Mechanical Engineering	**2022**

		Kamble & Priya Gaikwad		Technology		
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	Mehanial 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	Biofuels, 12 (4), 369-379	SCIE, Scopus	Mechanical Engineering	2021
44	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	SCOPUS	Mechanical Engineering	2021
45	Multiple Approach of Smart Intelligent Car Parking System	Manisha Lande, Sneha Jadhav,Sharayu Jadhav,Akshay Kamble & Priya Gaikwad	Journal of Huazhong University of Science & Technology,(ISSN-1671-4512) Vol 50,Issue 7,2021.	SCOPUS	Mechanical Engineering	2021

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, https://doi. org/10. 1080/15567036. 2021. 1946214	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), 030029	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), 369-379		Mechanical Engineering	2021
49	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	Google Scholar	Mechanical Engineering	2021
50	Finite Element Analysis of Castellated Steel Beams	S. Sonone, S. Morkhade,G. Narule	· GIS Science Journal,Vol. -8,Issue-05,ISSN NO : 1869-9391.	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-1-12, https://doi. org/10. 1007/s41062-021-00478-0	Scopus Springer Publicati on	Civil Engg	2021
52	Parametric study for long-span roof truss subjected vertical ground motions	Dhiraj Ahiwale, Rushikesh Khartode	Asian Journal of Civil Engineering, 23, pp-381-404, https://doi. org/10. 1007/s42107-020-00320-5	Scopus Springer Publicati on	Civil Engg	2021

53	Influence of compressive load on concrete filled steel tubular column with variable thickness	Dhiraj Ahiwale, Rushikesh Khartode, Akshay Bhapkar, Giridhar Narule, Kamalkishor Sharma	Innovative Infrastructure Solutions, 6:23, pp-1-14, https://doi. org/10.1007/s41062-020-00390-z	Scopus Springer Publicati on	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.	J. Inst. Eng. India Ser. A, 102 (2), pp. 479 – 488. 2250-2149	Scopus	Civil Engg	2021
55	Effect of SiO2 and ZnO nano-composite on mechanical and chemical properties of modified concrete	Chittaranjan B. Nayak Pratik Taware Umesh Tukaram Jagadale Nitin A. Jadhav Samadhan Morkhade	Iranian Journal of Science and Technology Transactions of Civil Engineering, ISSN:2364-1819	SCI/Scop us	Civil Engg	2021
56	LINEAR TRANSIENT DYNAMIC ANALYSIS OF PLATES WITH AND WITHOUT CUT OUT	Chittaranjan Nayak, Suraj N. Khante	ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING	SCI/Scop us	Civil Engg	2021
57	A STATE-OF-THE-ART REVIEW OF VERTICAL GROUND MOTION (VGM) CHARACTERI STICS EFFECTS AND PROVISIONS	Chittaranjan Nayak	Innovative Infrastructure Solutions	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	Seismic Hazards and Risk	Scopus	Civil Engg	2021

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	Innovative Infrastructure Solutions	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	Innovative Infrastructure Solutions	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	Innovative Infrastructure Solutions	Scopus	Civil Engg	2021
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75	Usage of ICT in Modern Education System: A Literature Review	Dr.C.S.Kulkarni	Test Engineering and Mangement, 0193-41200193-4120	Scopus, Google Scholar, Reserach gate	Computer Engineering	2021
76	A review on combine issues and challenges of underwater networks:UWSN and UASN	Dr. B. H. PATIL	4th Edition of International conference on Communication and Cyber- Physical Engineering(ICCCE-2021) at G. H. Raisoni College of Engineering and Management, Pune	Scopus, UGC	E&TC Engineering	2021

77	Smartbook reader for visually impaired peoples using OCR and Raspberry Pi	Dr. B. H. PATIL	4th Edition of International conference on Communication and Cyber- Physical Engineering(ICCCE-2021) at G. H. Raisoni College of Engineering and Management, Pune	Scopus, UGC	E&TC Engineering	2021
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81	MS-UNet: A multi-scale UNet with feature recalibration approach for automatic liver and tumor segmentation in CT images	D. T. KUSHNURE	Computerized Medical Imaging and Graphics Volume 89, April 2021, 101885 ISSN: 0895-6111 https://doi. org/10. 1016/j. compmedimag. 2021. 101885	SCIE, Scopus	E&TC Engineering	2021
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130	Quantification and Identification of Ischemic Stroke Using SVM	Vinay J. Nagalkar, G. G. Sarate	International Journal of Research and Analytical Reviews		ENTC	2019
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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)
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

Memorandum of Understanding (MoU)

Name of Institute and DTE Code	Sr. No.	MOU Signed with Industry/Organization	Date of Signing MOU	Purpose of MOU	Outcome/Beneficiaries
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	Nill
	2	University of pordumice	2012-11	Faculty Exchange, Student Internship, Project,Sponsorship, Training to staff and students, Visits, Mutual	Nill
	3	MichiganTech, Michigan Technological University	2012-11	Faculty Exchange, Student Internship, Project,Sponsorship, Training to staff and students, Visits, Mutual	Nill
	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 and students, Visits, Mutual	Nil
	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,	Nil

			Training to staff and students, Visits, Mutual	
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 and students, Visits, Mutual	Training program for staff and Students
17	Mayuresh Industry	2019-20	Faculty Exchange, Student Internship, Project,Sponsorship, 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,Sponsorship, Training to staff and students, Visits, Mutual	Workshop Held in E &TC department
19	Government polytechnic Gadchiroli	2019-20	Faculty Exchange, Student Internship, Project,Sponsorship, Training to staff and students, Visits, Mutual	Industry Interaction
20	AIC_ADT	2019-20	Faculty Exchange, Student Internship,	Industry interaction

			Project,Sponsorship, Training to staff and students, Visits, Mutual	
21	Bharat Forge ltd,Baramati	2019-20	Faculty Exchange, Student Internship, Project,Sponsorship, Training to staff and students, Visits, Mutual	Industry visit & Student internship
22	Yash Bottles suppliers	2019-20	Faculty Exchange, Student Internship, Project,Sponsorship, Training to staff and students, Visits, Mutual	IIIS2K Summit, 7 Feb 2020
23	Insculpt Technologies LLP Pune	2019-20	Faculty Exchange, Student Internship, Project,Sponsorship, Training to staff and students, Visits, Mutual	IIIS2K Summit, 7 Feb 2021
24	Sunita Enterprises Baramati	2019-20	Faculty Exchange, Student Internship, Project,Sponsorship, Training to staff and students, Visits, Mutual	IIIS2K Summit, 7 Feb 2022
25	PMS Robotics, Pune	2019-20	Faculty Exchange, Student Internship, Project,Sponsorship, 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,Sponsorship, Training to staff and students, Visits, Mutual	IIIS2K Summit, 7 Feb 2020
27	Infinity Drip Baramati	2019-20	Faculty Exchange, Student Internship, Project,Sponsorship, 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,Sponsorship, Training to staff and students, Visits, Mutual	Industry Institute Interaction
29	Amazon Web Service	2019-20	Faculty Exchange, Student Internship, Project,Sponsorship, 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,Sponsorship, Training to staff and students, Visits, Mutual	Industry Institute Interaction
31	Baramati Hi-Tech Textile Park	2019-20	Faculty Exchange, Student Internship, Project,Sponsorship,	IIIS2K Summit, 7 Feb 2020

			Training to staff and students, Visits, Mutual	
32	Baramati Oxygen	2019-20	Faculty Exchange, Student Internship, Project,Sponsorship, Training to staff and students, Visits, Mutual	IIIS2K Summit, 7 Feb 2021
33	Harshal Industries	2019-20	Faculty Exchange, Student Internship, Project,Sponsorship, Training to staff and students, Visits, Mutual	IIIS2K Summit, 7 Feb 2022
34	Supriya Electrical , Baramati	2019-20	Faculty Exchange, Student Internship, Project,Sponsorship, Training to staff and students, Visits, Mutual	IIIS2K Summit, 7 Feb 2023
35	Pixelstat esolutions developement pvt. ltd	2019-20	Faculty Exchange, Student Internship, Project,Sponsorship, Training to staff and students, Visits, Mutual	Web technologies & Learning Digitalization (60)
36	Primus Technology	2020-21	Faculty Exchange, Student Internship, Project,Sponsorship, Training to staff and students, Visits, Mutual	Nil
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.	2022-23	Industrial training, visits	Nil

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 Appication)
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 Wind Power For Multi-Turbines	Dr. Santaji Krishna Shinde	16-09-2022	VPKBIET, Baramati

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 Payal Yadav	Sudhir Lande Vinay Nagalkar	E&TC	201921046614	Filed	15/11/2019
4.	Easy Care Smart Water	Vaijnath Khomane Shivpriya Yadav	Sudhir Lande	E&TC	201921046613	Filed	15/11/2019

	Bottle For Next Generation	Swanand Khaladkar Mauli Shinde Elakkiya Sundaram Mayur Shinde Payal Yadav	Vinay Nagalkar				
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 Vaijnath Khomane Nivrutti Kadam Samata Survase Poonam Jadhav Vaishnavi Vidhate Shraddha Raje	Sudhir Lande Vinay Nagalkar	E&TC	201921046617	Filed	15/11/2019
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: 2022-23,2021-22
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	Mr. Rajaram Ambole

			about 5 good institutes based on AISHE	
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: 2022-23, 2021-22
Computer Engineering:

Sr. No	Training Programmes	Agency/ Trainer	Duration / Schedule	Participants (Branch)	No of Participants
1	Java Business Application	IIT Bombay Spoken Tutorial	01/09/2022 to 30/11/2022	74	74
2	CPP	IIT Bombay Spoken Tutorial	01/09/2022 to 30/11/2022	77	77
3	RDBMS PostgreSQL	IIT Bombay Spoken Tutorial	01/09/2022 to 30/11/2022	71	71
4	Arduino	IIT Bombay Spoken Tutorial	01/09/2022 to 30/11/2022	72	72
5	Python 3.4.3	IIT Bombay Spoken Tutorial	01/09/2022 to 30/11/2022	76	76
6	Python 3.4.3	IIT Bombay Spoken Tutorial	01/09/2022 to 30/11/2022	57	57

Project participations in the competition: 2022-23,2021-22:
Information Technology:

Sr. No.	Name of students	Competition Title & Details	Title of Project	Name of Guide
1	Aftab javed khan, Shubham Sunil Jagtap, Pranav Sanjay Jagtap, Shantanu shekhar Payal	Tarangan-Technical Project Competition, Organized by Vidya Pratishthan Baramati	Legal Data Assistive Tool For Law Practitioners Using Deep Learning	Dr. S. A. Takale

2	Kokare Ganesh Dhananjay, Chaudhari Rahul Deepak, Khomane Pratik Balaso, Borawake Tushar Prashant	Tarangan-Technical Project Competition, Organized by Vidya Pratishthan Baramati	Pneumonia Detection Using Deep Learning	Mr. P. M. Patil
3	Telkar Rohit Anilrao, Mayur Pandharinath Zagade, Kshirsagar Omkar Kishor, Shubham Anil Thombare	Tarangan-Technical Project Competition, Organized by Vidya Pratishthan Baramati	Prediction of Pedestrian Road Crossing Intention Using Deep Learning	Mr. K. S. Bhagwat
4	Pawar Shreya Baburao , Kadam Mayuri Shrirang , Jawale Vaishanavi Tanaji	Tarangan-Technical Project Competition, Organized by Vidya Pratishthan Baramati	Social Distance Detection using Deep Learning	Mr. K. S. Bhagwat

Soft Skill program Arranged
Information Technology:

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: 2022-23,2021-22:
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 ,	Impact Analysis of Faults in an Electric Vehicle	Mr. S.D. Shelar

		Baramati Dist. Pune on 3rd & 4th March 2023		
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
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/Renewable 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	Analysis Of BLDC Motor Characteristics	Mr. D. S. Yeole

		2023 organised by Vidya Pratishthan , Baramati Dist. Pune on 3rd & 4th March 2023		
10	Kumbhar Rushikesh Dilip Dudhe Ajinkya Abhimanyu Awatade Sachin Ishwar	Technical Project Competition at TARANGAN 2023 organised by Vidya Pratishthan , Baramati Dist. Pune on 3rd & 4th March 2023	Control Panel Design and Realy Coordination	Mr.S.K.Raskar
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: 2022-23,2021-22:
Civil Engineering:

Sr. No.	Name of students	Competition Title & Details	Title of Project	Name of Guide
1.	Shinde Trupti Sanjay Mohite Prajakta Sunil Gurudikshit Khajuria Kshirsagar Anurag Anantrao Kashid Chaitanya Rajkumar	Technical Project Competition in TARANGAN-23 (3rd March 2023)	Effect of workabilty on strength of geoploymer mortar using source materials cured at ambient temperature	Mr. R. R. Khartode
2.	Akash Anil Yadav Yashraj Vinay Wable Prajwal Rajendra Shinde Harshvardhan Ganesh Thombare Rahul Anil Wagh	Technical Project Competition in TARANGAN-23 (3rd March 2023)	Green Audit of VPKBIET Campus	Dr. N. T. Suryavanshi
3.	Anjali Raval Tejasvi Randhave Nikhil Jadhav Yashodhan shinde Parthraj Jadhav	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
4.	Bagwan Aaman Bakir Bhosale Tushar Rajaram Bartakke Omkar Ramesh Gaikwad Omkar Ramesh Barbade Sachin Rajendra	Technical Project Competition in TARANGAN-23 (3rd March 2023)	Preparation of Digital Elevation Model (DEM); A Case study of Baramati	Mr. D. G. Patil
5.	Aboli Vinayak Sutar Unnati Baliram Pandule Mayuri Balaji surwase Anjali Naganath Nale Vaishnavi Vaijinath Nale	Technical Project Competition in TARANGAN-23 (3rd March 2023)	Investigation of Various Strengthening Techniques For Steel Beam with Web Openings	Dr. S. G. Morkhade
6.	Tarte Sanika Sunil Ingole Akash Narayan Thombare Omkar Mahavir Jadhav kshitija Suresh	Technical Project Competition in TARANGAN-23 (3rd March 2023)	Transparent Soil Production And Testing	Ms. P. A. Bokey
7.	Pawar tejal hanmant Omkar Giri more kundan dhondiba Dhumale Amit vishwanath Jadhav vishal padmakar	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
8.	Jadhav Pruthvi Uday Mengade Pavan Vilas Padule Saurabh Saudagar Kadam Sourav Sopan Kashid Aditya Bhimrao	Technical Project Competition in TARANGAN-23 (3rd March 2023)	Assessment of planner frames subjected horizontal and vertical ground motion	Mr. D. D. Ahiwale
9.	Nimbalkar Vaibhav Santosh Gunge Sourabh Anil Nikam Ajay Kalyan Mane Janhavi Manoj	Technical Project Competition in TARANGAN-23 (3rd March 2023)	Planning and Design of Water Distribution System Manually and using	Dr. N. T. Suryavanshi

			E-Panet 0.2 Software for Tavadi Villege Tal. Phaltyan	
10.	Mahadik Tejas Nitin Choudhar Chaitanya Nana Sherkar Abhishek Rajesh Sapkal Himanshu Lalaso Mane Tejas Yashwant	Technical Project Competition in TARANGAN-23 (3rd March 2023)	Structural Performance of Ferrocement Beams using waste fibers	Dr. G. N. Narule
11.	Prasad mohan Ghodake Swapnil sunil jadhav Rupesh vilas choudhar Shivam mohan deokate Dushant Shrama	Technical Project Competition in TARANGAN-23 (3rd March 2023)	Design of Water Supply Scheme for Newly merged Lohgaon and Wagholi Village in Pune Municipal Corporation	Dr. R. J. Patil
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 Virdhawal 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: 2022-23,2021-22:
Mechanical Engineering:

Sr. No.	Name of students	Competition Title & Details	Title of Project	Name of Guide
1.	Mr. Chetan Dadaso Bankar	48th National Conference on Fluid Mechanics and Fluid Power -27th -29th December-2021	Bio Inspired Air Filter	Dr. Avinash H. Kolekar
2.	Mr. Chetan Dadaso Bankar	International Conference on Progressive Research in Industrial and Mechanical Engineering at NIT Warangal – 5th – 7th August 2021.	CFD analysis of pesticides flow repellent helmet	Dr. Vipin B. Gawande
3.	1.Mr. Nitin Suresh Mule 2.Mr. Saurabh S. Prabhune 3.Mr. Omkar R. Bankar	International Conference on Progressive Research in Industrial and Mechanical Engineering at NIT Warangal – 5th – 7th August 2021.	A comparison of Mechanical Properties of 3D printed Specimens based on filament quality.	Dr. Vipin B. Gawande
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- 5th -6th November-2022	Cost Effective 3D Printer for Everyone	Dr. Vipin B. Gawande

National Conference /Workshop/seminar/ Lecture /soft skill programme arranged (2021-22, 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	29th to 30th August 2022.	E&TC Engineering Department and ISTE	30
2	"Recent Trends and opportunities in Telecommunication Industries" Coducted by Mr. Amol Shinde,	25th Sept. 2021	E&TC Engineering Department and ISTE	50

	Quality Assurance TECH Lead (Engineering) Cisco Systems Ltd.				

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. Vaijnath Khomane Mr. Rohit M. Gandhi	India International Science Festival 2021 held in Goa	Smart Helmet	Dr. Vinay Nagalkar
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

Soft Skill Program arranged
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 totrace/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

LoA and subsequent EoA till the current Academic Year

(Vide AICTE letter No.: F.No. Western/1-10975887356/2022/EOA dated 02-06-2022)
Link to all EoA: https://www.vpkbiet.org/AICTE.php

Best Practices:

First Year Engineering Department

1. Implementation of two week Induction for FE Students at entry level.
2. Effective mentoring system, assigned one teacher as a mentor for a batch of 24 students.
3. Continuous evaluation through mid sem audits and feedback and end sem audit and feedback, for improvements and suitable remedial actions.

4. Conducting Internal Tests and giving assignments for evaluation of student's performances.
5. Provided E-contents such as Video lectures, question banks, notes, etc., on google classroom.
6. Best class awards given to FE class for team culture.
7. Appreciations of students and teachers for their achievements.
8. Use of Virtual lab for modern tool usage

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 (SAAI).

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
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 COURSERA. 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.