

MANDATORY DISCLOSURE



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



Contact Details:

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

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

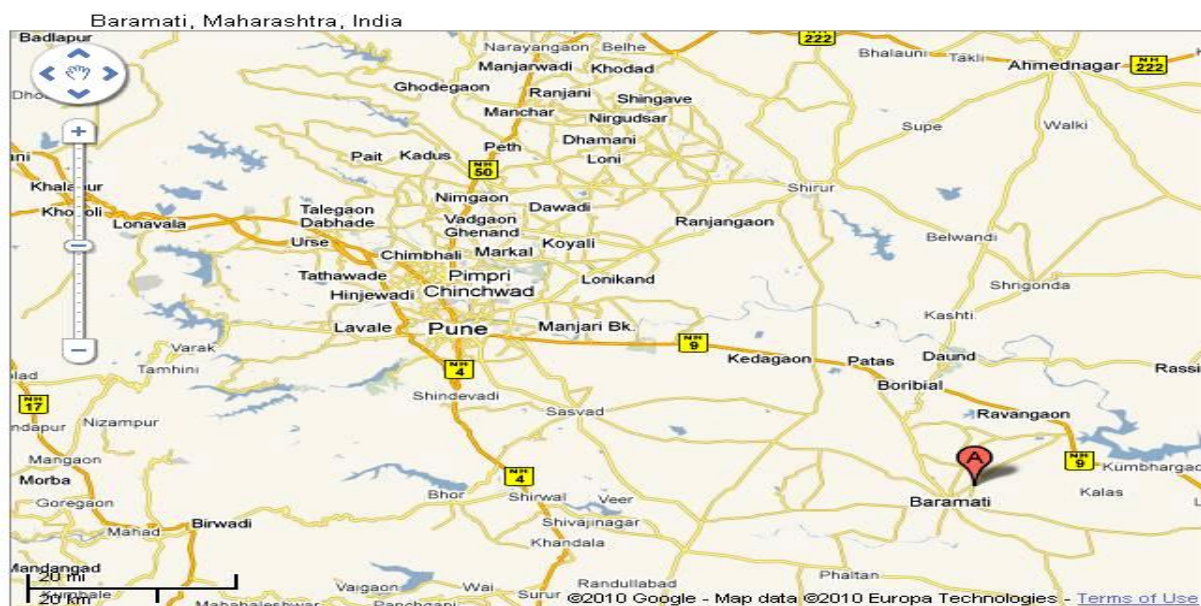
10.1 Name of the Institution : **Vidya Pratishthan's
Kamalnayan Bajaj Institute of Engineering &
Technology, Baramati**

Address of the Institution : **Vidyanagari, M.I.D.C. (Resi. Zone),**

Mandatory Disclosure-2021-22

	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 : 2021-22 (Vide AICTE letter No.: F.No. Western/1-9319193709 2021/EOA dated 25-06-2021)
		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 Type of the organization	: Vidya Pratishthan, Baramati 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

Mandatory Disclosure-2021-22

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

10.5.1 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.

Mandatory Disclosure-2021-22

4. Adv. Neelima Vinodkumar Gujar

Secretary

Work Profile: An academicians 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 Deputy Chief Minister of Government of Maharashtra. He was Minister in Maharashtra State government for the last 16 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 Maharashtra 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

10.5.2 Academic Advisory Body

Sr. No.	Name	Designation
1	Dr. R.S. Bichkar	Principal, VPKBIET ,Baramati
2	Dr. R. M. Shah	Management Member
3	Dr.Bharat Shinde	Principal, VP A.S.C.College Baramati
4	Faculty Members from Other Institute (CoEP)	Invited Member
5	All Head of the Departments	Member
6	Trainng and Placement Officer	Member
7	Head, IQAC	Member
8	Dr. R. K. Shastri	Dean R&D

10.5.3- Frequently of the Board Meeting :
and Academic Advisory Body

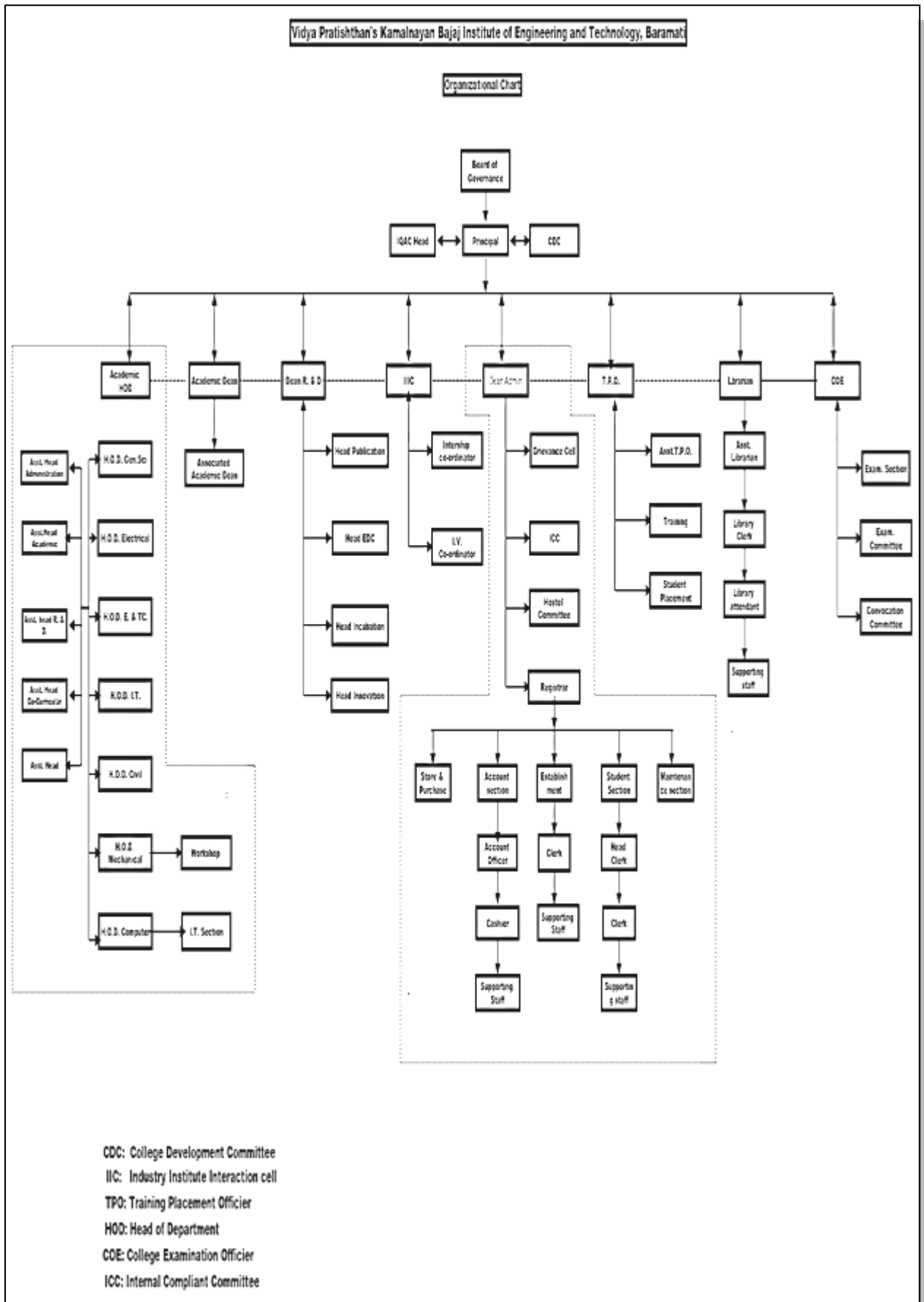
Academic Advisory body meeting held once
in year as per the availability of President

10.5.4 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

Mandatory Disclosure-2021-22

provisions with the help of stores and accounts. IQAC works in feedback path to improve Institute performance on quality parameters.



Every term academic and administrative planning is done in a staff meeting deciding the course of activities and policies for the term to achieve academic improvements and student culture. Feedback from students about their faculty is taken once every year and the performance of the staff is assessed, taking this as one of the elements of staff assessment.

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

10.5.5 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.

10.5.6 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.

10.5.7 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.

End-Semester Student Feedback Semester-I

Theory:

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

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)

10.5.8 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.

10.5.9 Establishment of Anti Ragging Committee

Sr. 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. Bhise Omkar Rajabhau(BE-Civil)	Representative Student – BE	Member
9	Miss. Kadam Sumitra Ramdas (FE)	Representative Student – FE	Member
10	Mr. Taware Satish Haribhau (Administrative Officer, VPKBIET)	Representative Non-Teaching Staff	Member

10.5.10 - 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**10.5.11 Establishment of Grievance Redressal Committee in the Institution and Appointment of OMBUDSMAN by the University**

Sr. 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	Spical Invitee

10.5.12 Establishment of Internal Complaint Committee (ICC)

Sr. 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. Natu Nitve	
6	Ms. Sreya Kadam	Student Nominee
7	Mr. Abhishek R. Raut	Student Nominee
8	Ms. Priyanka Dawakhare	Student Nominee
9	Advt. Ms. Neelima Gujar	External Member

Mandatory Disclosure-2021-22

10.5.13 Establishment of Committee for SC/ ST

Sr. 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

10.5.14 Internal Quality Assurance Cell

Sr. No.	Name	Designation/Department	IQAC Designation
1	Dr. R. S. Bichkar	Principal, VPKBIET Baramati	Chairman, IQAC
2	Mr. Y. S. Pawar	Treasurer, Vidya Pratishthan, Baramati	Management Representative
3	Dr. S. K. Shinde	Professor, Comp. Engg.	IQAC Coordinator
4	Mr. V. U. Deshmukh	Assistant Professor, E&TC. Engg.	IQAC Co-Coordinator
5	Mr. S. H. Taware	Administrative Officer	Member, VPKBIET Administration
	Mr. S. S. Dandvate	Accounts Officer	
6	Dr. S. B. Lande	Professor E &TC. Engg. and Vice-Principal	Member
	Dr. R. K. Shastri	Dean, R&D	
	Dr. A.P. Hiwarekar	Dean, Academic	
	Dr. D. B. Hanchate	Dean(IIIC)	
	Dr. C. S. Kulkarni	Associate Professor & Head, Dept. of Comp. Engg.	
	Dr. S. A. Takale	Professor & Head, Dept. of Info. Tech.	
	Dr. B.H. Patil	Assistant Professor and Head , Dept. of E&Tc	
	Dr. S.M.Bhosale	Professor & Head, Dept. of Mechanical Engg.	
	Dr. Chitaranjan Nayak	Associate Prof. & Head, Dept. of Civil Engg.	
	Mr. R.S. Tarade	Assistant Professor & Head, Dept. of Electrical Engg.	
7	Dr. Aparana Sajjan	Associate Professor & Head, Dept. of General Science.	Member
	Dr. Parshuram Chitragar	Dean (Alumni Affairs)	
8	Mr. D. S. Jamdar	President: Baramati Chamber of commerce & Industry, CMD: Enforce Engg. Solutions Pvt. Ltd.	Member, Industry
9	Mr. P. B. Taware	NGO Member Social Worker	Member, Community Service
10	Mr. A. N. Fulari Ms. S. U. Jagtap	Student, Computer Engg. Student, Civil Engg..	Member

10.6 Programmes:

- Name of Programmes approved by AICTE

Under Graduate:

Sr.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 1 dated 27-6-2000	CA/5358 dated 22-11-2000
3	Elect. & Telecom. Engineering	2000	F. No. 740-89-037 (NDEG-APR)/ET/2000 dated 21-6-2000	PEC 20/00/(292/00) Tanshi 1 dated 27-6-2000	CA/5358 dated 22-11-2000
4	Mechanical Engineering	2002	F. No. 740-89-037 (NDEG)/ET/2000 dated 14-6-2002	TEM-2002/(206/02) Tanshi 1 dated 29-6-2002	CA/4222 dated 4-8-2003
5	Civil Engineering	2006	F. No. 740-89-037 (NDEG)/ET/2000 dated 26-5-2006	TEM-2006/(332/06) Tanshi 1 dated 19-6-2006	CA/8530 dated 12-12-2006
6	Electrical Engineering	2010	Western Region, Maharashtra / 1-1559911/2010/EOA dated 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.१८(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 Programmes Accredited by AICTE : NAAC Accredited
- Status of Accreditation of the Courses : NIL
- Total number of Courses : 10
- No. of Courses for which applied for Accreditation : 2
- Status of Accreditation – Preliminary/ Applied for SAR and results awaited/ Applied for SAR and visits completed/ Results of the visits awaited/ Rejected/ Approved for Courses : Applied for SAR

Mandatory Disclosure-2021-22

- For each Programme the following details are given:

Computer Engineering:	2021-22		2020-21		2019-20	
	UG	PG	UG	PG	UG	PG
Name of Course						
No. of Seats (Intake)	60	-	60	18	60	18
Duration	4 Yrs	-	4 Yrs	2 Yrs	4 Yrs	2 Yrs
Actual Admitted in FE	69	-	71	0	71	1
Cut off marks/rank of admission during the last three years	89.81	NA	86.17	NA	87.43	NA
Fees	98801	56834	97,519	71,272	97516	71272
Placement Facilitie	Available	-	Available	Available	Available	Available
Campus placement in last three years	51	NA	57	NIL	57	NIL
Avrage Salary (Lakh per anum)	4.21	NA	3.86	NIL	3.53	NIL
Maximum Salary(Lakh per anum)	7.5	-	5.22	Nil	5.55	NII
Minimum Salary(Lakh per anum)	3.45	-	1.2	Nil	1.2	Nil
% Students passed with Distinction in Final Year	Not Yet Declared	-	58.11	-	45.57	100
% Students passed with First Class in Final year	Not Yet Declared	-	36.49	-	40.51	-

Information Technology:	2021-22		2020-21		2019-20	
			UG		UG	
Name of Course						
No. of Seats (Intake)	60		60		60	
Duration	4 Yrs		4 Yrs		4 Yrs	
Year wise Actual Admissions in FE	67		70		61	
Cut off marks/rank of admission during the last three years	87.25		78.39		81.32	
Fees	98801		97,519		97,516	
Placement Facilities	Available		Available		Available	
Campus Placement in Last threeyears	41		50		42	
Avrage Salary (Lakh per anum)	4		3.94		3.78	
Maximum salary (Lakh Per anum)	4.41		8.5		10	
Minimum Salary (Lakh Per anum)	3.25		1.2		1.2	
% Students passed with Distinction in Final Year	Not declared		52.24		18.31	
% Students passed with First Class in Final year	Not declared		40.31		52.1	

Electronics & Telecomm. Engineering:	2021-22		2020-21		2019-20	
	UG		UG	PG	UG	PG
Name of Course						
No. of Seats (Intake)	60		60	18	120	18

Mandatory Disclosure-2021-22

Maximum salary in Lakh per anum	4.01		10	NIL	10	NIL
Minimum salary in Lakh Per anum	3.36		3.36	NIL	1.8	NIL
% Students passed with Distinction in Final Year	Not Yet Declared	Not Yet Declared	42.42	11.2	91.67	75
% Students passed with First Class in Final year	Not Yet Declared	Not Yet Declared	48.48	58.2	8.33	-
Electrical Engineering:	2021-22		2020-21		2019-20	
	UG		UG		UG	
Name of Course						
No. of Seats (Intake)	60		60		60	
Duration	4Yrs		4 Yrs		4 Yrs	
Year wise Actual Admissions in FE	58		55		52	
Cut off marks/rank of admission during the last three years	45.17		7.92		26.74	
Fees	98,801		97,519		97,516	
Placement Facilities	Available		Available		Available	
Campus placement in last three years	22		17		16	
Avrage salary in Lakh per anum	3.76		3.3		3.18	
Maximum salary in Lakh Per anum	4.01		4.5		4	
Minimum salary in Lakh Per anum.	3.36		1.2		1.2	
% Students passed with Distinction in Final Year	Result not declared		95.71		82.67	
% Students passed with First Class in Final year	Result not declared		0		16	
Artificial intelligence and Data Science	2021-22		2020-21		2019-20	
	UG	PG	UG		UG	
Name of Course						
No. of Seats (Intake)	60	18	60	NA		
Duration	4Yrs	2 Yrs	4 Yrs	NA		
Year wise Actual Admissions in FE	68	04	69	NA		
Cut off marks/rank of admission during the last three years	79.78	8.09(Artificial intelligence and Data Science)	72.89	NA		
Fees	98,801	56,834	97,519	NA		
Placement Facilities	Available	Available	Available	Available		
Campus placement in last three years	NA	NA	NA	NA		
Avrage 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		
% Students passed with Distinction in Final Year	NA	NA	NA	NA		
% Students passed with First Class in Final year	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 : 70
- Adhoc Faculty : 32
- Total Faculty : 102

Mandatory Disclosure-2021-22

- Adjunct Faculty : 0
- Faculty Student Ratio: : 1:20 (Approved faculty : student ratio = 1:28)
- Number of Faculty left during last three years (2021-22,2020-21,2019-20) : 37

10.8 Profile of Vice Chancellor/ Director/ Principal/ Faculty

For each Faculty give a page covering with Passport size photograph

i. Name	: Dr. Rajankumar Sadashivrao Bichkar
ii. Date of Birth	: 07/03/1966
iii. Unique id	: ---
iv. Education Qualifications	: B.E., M.E., Ph.D. (IITKGP)
v. Work Experience	: 33.5 Yrs.
• Teaching	: 33.5 Yrs.
• Research	: ---
• Industry	: ---
• others	: ---
vi. Area of Specialization	Model-Based Tomographic Reconstruction Using Randomized Search and Optimization Techniques, Image Processing, Evolutionary Computation
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	: Under Graduate/ Post Graduate
viii. Research guidance	: ----
No. of papers published in National/ International Journals/ Conferences	: More than 50
Master	: ---
Ph.D.	: 13
ix. Projects carried out	: ----
x. Patents	: ----
xi. Technology Transfer	: ----
Xii No. of Books published	: 04

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

Undergraduate:

1	Tuition & Development Fees	Rs. 95,000
2	Other Fees (University Fees + Amartya Shiksha Yojana policy premium)	Rs.1,301
3	Refundable Deposit	Rs.2,500
Total		98,801

Post graduate:

1	Tuition & Development Fees	Rs.55,000
3	Other Fees (University Fees + Amartya Shiksha Yojana policy premium)	Rs. 834
4	Refundable Deposit	Rs 1,000
Total		56,834

Mandatory Disclosure-2021-22

- Time schedule for payment of fee : Maximum 6 Month
- No. of Fee waivers granted : 0
- Number of scholarship offered by the Institution : 0

- Criteria for fee waivers/scholarship : As per Trust guidelines
- Estimated cost of boarding and lodging in Hostels : Yes (Rs.40,000/-)

10.10 Admission

- Number of seats sanctioned with the year of approval

Sr. No.	Name of Course	Sanctioned Intake (Year wise)					Year of approval	Actual Admitted (2021-22)				
		1 st	2 nd	3 rd	4 th	Total		1 st	2 nd	3 rd	4 th	Total
1	Computer Engineering	60	60	60	60	240	2000	69	81	85	68	303
2	Information Technology	60	60	60	60	240	2000	67	80	83	74	304
3	Elect. & Telecomm. Engg.	60	60	120	120	360	2000	68	75	122	96	361
4	Mechanical Engineering	60	60	60	60	240	2002	51	78	94	65	288
5	Civil Engineering	60	60	60	60	240	2006	40	77	93	72	282
6	Electrical Engineering	60	60	60	60	240	2010	58	79	91	70	298
7	Artificial Intelligence and Data Science	60	60	60	60	240	2020	68	77	00	00	145
Total:		420	480	480	480	1800		421	547	568	445	1981

Post Graduate:

Sr. No.	Name of Course	Sanctioned Intake (Year wise)				Year of Approval	Actual Admitted (2021-22)		
		1 st	2 nd	Total	1 st		2 nd	Total	
1	Structural Engineering [628421210]	18	18	36	2012	11	18	29	
2	Artificial Intelligence and Data Science [628494310]	18	NA	18	2021	04	00	04	
3	Robotics and Automation [628494210]	18	NA	18	2021	00	00	00	
Total:		54	18	72		15	18	33	

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

Under graduate 2021-22

Branch	SC		ST		DT/V J (NT-A)		NT 1 (NT-B)		NT 2 (NT-C)		NT 3 (NT-D)		OBC		SBC		SEB C		OPEN		Total		Total	Branch 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	3	0	1	0	2	0	0	0	1	1	6	1	5	1	0	0	0	0	1	3	6	31	9	40	282
SE	4	4	0	0	2	0	0	0	5	1	1	0	8	4	1	0	0	0	3	4	1	3	55	2	

Mandatory Disclosure-2021-22

ME-II	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	01	
DS																							
ME-I																							
ME-II	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	02	
DE																							
ME-I																							
ME-II	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	01	
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:	107	73	0	1	19	15	26	6	114	67	26	18	294	175	18	18	78	43	498	342	1180	758	1938

Undergraduate-2019-20

Branch	SC		ST		DT/V J (NT-A)		NT 1 (NT-B)		NT 2 (NT-C)		NT 3 (NT-D)		OBC		SBC		SEBC		OPEN		Total		Total	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F		
CIVIL																								
FE	4	3	1	0	0	0	2	1	4	1	2	1	9	2	1	0	1	9	4	5	1	47	13	60
SE	2	3	0	0	1	1	4	0	5	1	1	1	10	5	1	1	0	2	18	7	42	21	63	
TE	5	2	0	0	2	0	1	0	4	3	2	1	6	6	1	1	0	0	22	10	43	23	66	
BE	5	5	1	0	0	0	2	0	6	0	0	1	11	3	1	1	0	0	24	15	50	25	75	
MECHANICAL																							0	
FE	4	0	0	0	1	0	1	0	5	0	1	0	11	0	1	1	1	5	0	15	2	54	3	57
SE	2	0	0	0	1	0	0	0	6	0	1	0	15	6	1	0	3	0	16	7	45	13	58	
TE	7	1	0	0	2	0	0	0	1	2	2	0	13	4	3	1	0	0	25	5	53	13	66	
BE	7	1	1	0	1	0	0	0	2	1	1	0	21	3	1	1	0	0	24	5	58	11	69	
ELECTRICAL																								
FE	4	1	0	0	0	0	2	0	9	1	1	0	13	5	0	0	7	3	6	0	42	10	52	
SE	3	4	0	0	1	1	1	0	1	2	0	1	6	4	1	0	0	6	14	10	27	28	55	
TE	6	1	0	0	1	0	1	0	9	4	2	2	10	4	0	3	0	0	12	7	41	21	62	
BE	5	6	0	1	0	0	1	1	2	6	2	1	9	8	0	0	0	0	21	12	40	35	75	
E&TC																								
FE	3	4	0	0	0	0	0	0	5	5	0	0	15	11	1	1	1	0	8	14	7	48	36	84
SE	2	4	0	0	0	0	0	0	2	5	1	1	7	5	0	1	4	3	23	32	39	51	90	
TE	1	2	0	0	0	0	0	0	4	1	0	0	11	14	1	0	0	0	32	28	49	45	94	
BE	5	0	0	0	1	1	1	2	7	1	3	0	4	16	22	1	3	0	0	30	43	61	88	149
COMPUTER																								
FE	2	2	0	1	1	0	3	0	2	5	0	0	10	6	0	0	9	7	13	10	40	31	71	
SE	4	4	0	0	0	2	0	0	1	1	0	0	8	9	0	1	1	0	11	24	25	41	66	
TE	4	4	0	0	0	0	1	1	1	3	0	2	8	10	0	3	0	0	12	19	26	42	68	
BE	4	7	0	0	0	0	0	1	4	2	1	1	8	8	1	2	0	0	14	26	32	47	79	
I.T.																								
FE	2	3	0	0	0	1	0	2	5	3	0	1	11	6	0	1	9	6	7	4	34	27	61	
SE	3	5	0	0	1	0	0	0	2	2	0	1	10	9	0	0	1	4	13	13	30	34	64	
TE	3	3	0	0	1	2	0	0	3	7	1	1	10	11	1	1	0	0	7	17	26	42	68	
BE	4	1	0	0	0	0	0	0	3	4	1	0	12	12	0	2	0	0	12	23	32	42	74	
Total:	9	6	3	2	1	8	2	8	9	7	1	1	26	17	1	2			39	32	984	74	172	
ME	1	6			4	0	0	3	2	2	9	9	0	3	6	4			0	7		2	6	
Branch	SC		ST		DT/V J		NT1(B)		NT2(C)		NT3(D)		OBC		SBC		SEBC		OPEN		Total		Total	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F		
CE																								
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	
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	
DS																								
ME-I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	2	
ME-II	0	1	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0	4	4	
DE																								

Mandatory Disclosure-2021-22

- 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	2021-22		2020-21		2019-20	
		UG	PG	UG	PG	UG	PG
1	Civil	32.2	8.98	46.89	20.06	53.82	18.19
2	Mechanical	45.17	NA	47.58	NA	49.05	32.51
3	Electrical	45.17	NA	7.92	NA	26.74	NA
4	E&TC	72.46	NA	63.7	NA	13.07	9.33
5	Computer	89.81	NA	86.17	NA	87.43	2.67
6	IT	87.25	NA	78.39	NA	81.32	NA
7	AIDS	79.78	8.09	72.89	NA	NA	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 candidate whose applications have been received along with percentile/percentage score for Each of the qualifying examination in separate categories for open seats. List of candidate who have Applied along with percentage and percentile score for Management quota seats

Under Graduate (UG):

Mandatory Disclosure-2021-22

Sr. No	DTE Application Id	Student Name	CET / JEE Merit Number	DTE Merit No.	CET %	Gender	Category
1	EN21182437	Jagtap Srushti Pramod	1	14429	90.51	Female	OPEN
2	EN21209045	Paliya Ashish Sanjay	2	16058	89.43	Male	OPEN
3	EN21127854	Jagdale Tejas Ravindra	3	17135	88.75	Male	OPEN
4	EN21160324	Pande Saurabh Rajesh	4	17171	88.75	Male	OPEN
5	EN21153120	Kothare Nikhil Ramdas	5	17976	88.28	Male	OBC
6	EN21203616	Bhosale Abhishek Somnath	6	19344	87.26	Male	OPEN
7	EN21177640	Kondekar Aditya Prakash	7	20236	86.73	Male	OBC
8	EN21119317	Thakare Charudatta Sunil	8	20289	86.71	Male	OBC
9	EN21128550	More Vivek Dadaso	9	21253	85.89	Male	OPEN
10	EN21143139	Ruturaj Avinash Taware	10	21269	85.89	Male	OPEN
11	EN21176836	Wable Abhijeet Anil	11	21629	85.80	Male	OPEN
12	EN21162730	Yadav Gayatri Sanjaykumar	12	21639	85.80	Female	OBC
13	EN21230967	Ankit Ramjit Yadav	13	22530	85.18	Male	OPEN
14	EN21192669	Shlok Sachin Jagtap	14	23722	84.43	Male	OPEN
15	EN21124067	Jadhav Amit Shivkumar	15	23862	84.26	Male	OPEN
16	EN21213091	Kazi Adil Shahid	16	24335	84.00	Male	OPEN
17	EN21222879	Ajinkya Rajendra Shedage	17	24657	83.70	Male	open
18	EN21185847	Sawant Shruti Jalindar	18	24847	83.69	Female	OPEN
19	EN21208533	Sutar Gaurav Dipak	19	25031	83.52	Male	OBC
20	EN21144626	Surve Shantanu Sanjay	20	25047	83.52	Male	OPEN
21	EN21100170	Malavade Varad Abhijit	21	25148	83.45	Male	OBC
22	EN21207142	Surve Jidnesh Mukesh	22	25206	83.42	Male	OPEN
23	EN21213778	Desai Piyush Sanjay	23	25411	83.29	Male	OPEN
24	EN21118657	Pawar Gauri Bharat	24	25652	83.19	Female	OPEN
25	EN21146608	Pisal Saurabh Umesh	25	25907	83.07	Male	OPEN
26	EN21163394	Shelke Pratiksha Gorakh	26	26089	82.78	Female	OPEN
27	EN21162248	Kadam Atharv Rajendra	27	26210	82.74	Male	OPEN
28	EN21157954	Bondre Sandhya Ankush	28	26242	82.74	Female	OPEN
29	EN21130540	Sankpal Shritej Lalaso	29	26425	82.53	Male	OPEN
30	EN21183650	Nimbalkar Atharv Krishnarao	30	26474	82.53	Male	OPEN

Mandatory Disclosure-2021-22

31	EN2120396 2	Abhang Anjali Vilas	31	27252	82.10	Female	OBC
32	EN2112441 8	Chavan Vaishnavi Vilas	32	27540	81.90	Female	OPEN
33	EN2118763 4	Nigade Sanskruti Chandrakant	33	27604	81.90	Female	OPEN
34	EN2110616 5	Wankhade Devashish Nitin	34	27662	81.64	Male	OBC
35	EN2116649 7	Durugkar Aditya Shriniwas	35	27765	81.62	Male	OPEN
36	EN2111577 8	Jadhav Shruti Sanjay	36	27885	81.46	Female	OPEN
37	EN2117662 4	Pise Arnav Pandurang	37	27896	81.46	Male	NT 2 (NT-C)
38	EN2118838 4	Jagdale Atharva Sanjay	38	28803	80.92	Male	OPEN
39	EN2119188 2	Parth Vivek Muchandi	39	29268	80.71	Male	OPEN
40	EN2119329 3	Chauhan Ahilya Dhananjay	40	29420	80.55	Female	OPEN
41	EN2117865 7	Hol Aarti Santosh	41	29432	80.55	Female	OBC
42	EN2116843 3	Kale Shravan Sukhadev	42	30258	79.95	Male	NT 2 (NT-C)
43	EN2115391 4	Shinde Prajwal Pravin	43	30513	79.66	Male	OBC
44	EN2116113 0	Agawane Soham Mahesh	44	31853	78.86	Male	SC
45	EN2112749 5	Neelam Hanumant Bhapkar	45	NA	78.58	Female	OPEN
46	EN2117476 8	Vaishnavi Suhas Jagtap	46	32152	78.52	Female	opEN
47	EN2119584 2	Jagtap Aditya Laxman	47	32217	78.44	Male	OPEN
48	EN2119899 0	Khaire Prathamesh Rajendra	48	32280	78.44	Male	OPEN
49	EN2117339 6	Jarad Raj Dipak	49	32494	78.18	Male	OPEN
50	EN2120670 3	Sagade Gayatri Sandip	50	32865	78.06	Female	OPEN
51	EN2120241 8	Dhage Abhishek Subhash	51	32977	77.81	Male	OBC
52	EN2110526 7	Khandagale Rohan Nanaso	52	33324	77.61	Male	OPEN
53	EN2120297 6	Suryawanshi Shital Pandurang	53	33704	77.38	Female	opEN
54	EN2115631 2	Rawate Aniket Prakash	54	34329	77.18	Male	OPEN
55	EN2118651 5	Jagdale Rahul Gajanan	55	34694	76.68	Male	OPEN
56	EN2122485 9	Patil Pritamraj Dattatray	56	34755	76.49	Male	OPEN
57	EN2110868 9	Nazirkar Nileshwari Ajit	57	35279	76.16	Female	NT 2 (NT-C)
58	EN2116179 4	Rajat Vijay Shingate	58	36048	75.72	Male	OPEN
59	EN2118774 3	Nimbalkar Parth Anil	59	36222	75.67	Male	OPEN
60	EN2114556 0	Owal Om Umesh	60	36349	75.67	Male	OBC
61	EN2119263 5	Gulumkar Krushnali Sandip	61	36438	75.44	Female	OPEN
62	EN2120757 0	Gophane Dnyandeve Govind	62	36493	75.44	Male	NT 2 (NT-C)
63	EN2112514 3	Nalawade Atharva Ashok	63	36865	74.98	Male	OPEN

Mandatory Disclosure-2021-22

64	EN2117963 3	Pathak Chaitanya Mukund	64	37811	74.35	Male	OPEN
65	EN2116294 4	Suryawanshi Onkar Navanath	65	38097	74.26	Male	OBC
66	EN2114106 6	Vivek Abhimanyu Vijapure	66	38128	74.26	Male	OPEN
67	EN2120650 5	Bankar Harshal Vijay	67	38360	73.96	Male	OBC
68	EN2115743 7	Siddhi Umakant Mulik	68	38533	73.82	Female	OPEN
69	EN2111416 0	Chavan Sayali Arun	69	38657	73.65	Female	SEBC
70	EN2121787 2	Fulari Ankita Nanasahab	70	38850	73.42	Female	OBC
71	EN2119849 7	Gaikawad Snehashish Manik	71	40136	72.59	Male	OPEN
72	EN2122993 6	Karade Sanchit Sanjay	72	40191	72.59	Male	NT 2 (NT-C)
73	EN2111453 3	Sachit Tanaji Khade	73	40202	72.59	Male	NT 3 (NT-D)
74	EN2123954 4	Londhe Vaibhav Pramod	74	ACAP	72.59	Male	OPEN
75	EN2117837 4	Rasal Vaishnavi Santosh	75	40503	72.47	Female	OPEN
76	EN2115721 3	Aasavari Ganesh Wani	76	40565	72.47	Female	OBC
77	EN2121269 9	Wagh Vaishnavi Sunil	77	40600	72.47	Female	OBC
78	EN2117194 0	Shahin Isak Sayyad	78	40752	72.28	Female	OBC
79	EN2117067 9	Wagh Anuj Deepak	79	41349	71.25	Male	OPEN
80	EN2112916 7	Waghmare Pragati Yashawant	80	41522	71.12	Female	OPEN
81	EN2114808 0	Choudhary Jashoda Prakash	81	NA	71.06	Female	OPEN
82	EN2110981 4	Ingale Kalyani Sagar	82	42199	70.90	Female	OBC
83	EN2119723 5	Mandhare Onkar Suresh	83	42469	70.79	Male	OPEN
84	EN2116299 5	Taware Neha Pravin	84	42669	70.79	Female	OPEN
85	EN2110684 6	Bhosale Aditya Dhananjay	85	43434	69.71	Male	OPEN
86	EN2120519 2	Bangar Vaishnavi Pandurang	86	43531	69.71	Female	NT 3 (NT-D)
87	EN2120453 3	Atharv Anil Chormale	87	43630	69.71	Male	NT 2 (NT-C)
88	EN2114919 8	Gawade Pratiksha Ganesh	88	43673	69.67	Female	NT 2 (NT-C)
89	EN2114309 1	Purva Nilesh Ranaware	89	43822	69.67	Female	OPEN
90	EN2116046 2	Khot Pragati Suresh	90	43995	69.66	Female	OBC
91	EN2118762 6	Taware Tejas Sunil	91	44034	69.66	Male	OPEN
92	EN2118609 7	Lomate Dhiraj Dharmraj	92	44121	69.31	Male	SEBC
93	EN2118094 5	Kakade Anish Ajit	93	44274	69.31	Male	OPEN
94	EN2110249 4	Harshal Walunj	94	44619	68.99	Male	OPEN
95	EN2110019 3	Konde Vaishnavi Meghshyam	95	44695	68.99	Female	OPEN
96	EN2117882 7	Malgunde Akash Dadaso	96	45088	68.53	Male	NT 2 (NT-C)

Mandatory Disclosure-2021-22

97	EN2122514 1	Abhay Sunil Kadam	97	45437	68.32	Male	OPEN
98	EN2112024 4	Shelar Tanuja Sunil	98	45586	68.32	Female	OBC
99	EN2111131 6	Panchal Aditya Sambhaji	99	45738	68.10	Male	OBC
100	EN2122577 1	Sonawane Vishakha Sachin	100	46077	67.84	Female	OBC
101	EN2119349 4	Wayal Priti Dadaso	101	46082	67.84	Female	NT 2 (NT-C)
102	EN2120900 0	Doke Saurav Ashok	102	46311	67.77	Male	OBC
103	EN2118485 2	Shinde Pratik Vilas	103	46420	67.77	Male	OPEN
104	EN2115451 8	Bhagat Shivam Ashok	104	46470	67.77	Male	OPEN
105	EN2110302 3	Vaze Atharv Purushottam	105	46743	67.76	Male	OPEN
106	EN2114931 3	Vaishnavi Santosh Sapkal	106	46771	67.70	Female	OPEN
107	EN2112713 2	Randhir Girish Kishor	107	46915	67.29	Male	OBC
108	EN2110951 0	Bhapkar Digvijay Sanjay	108	47240	66.76	Male	OPEN
109	EN2120376 3	Aher Mrudula Sandeep	109	47767	66.14	Female	OPEN
110	EN2112757 9	Kumbhar Raturaj Girish	110	47818	66.08	Male	OBC
111	EN2115841 3	Rutuja Naresh Dhamal	111	47846	66.08	Female	OPEN
112	EN2119014 9	Shinde Yugandhara Rahul	112	48266	65.88	Female	OPEN
113	EN2117817 3	Rawool Tanmay Laxman	113	49478	65.34	Male	OPEN
114	EN2111906 1	Jadhav Vaibhav Santosh	114	49698	64.17	Male	SC
115	EN2118398 6	Khatke Shreyash Rajaram	115	50101	64.03	Male	NT 2 (NT-C)
116	EN2115170 2	Hiremath Sakshi Jaywant	116	50366	63.94	Female	OBC
117	EN2113089 7	Date Sakshi Amit	117	50391	63.94	Female	OPEN
118	EN2118035 1	Taware Harshal Avinash	118	51023	63.65	Male	OPEN
119	EN2120072 8	VARKAD AKANKSHA SHANKAR	119	51038	63.65	Female	OPEN
120	EN2114388 0	Maurya Neeraj	120	51055	63.65	Male	OPEN
121	EN2120625 5	Omkar Bodake	121	51439	63.59	Male	OBC
122	EN2110279 6	Sabale Sanika Umesh	122	51480	63.56	Female	OPEN
123	EN2110139 8	Holkar Onkar Namdev	123	51570	63.56	Male	OBC
124	EN2115112 6	Gophane Shirkant Ramchandra	124	52504	61.89	Male	NT 2 (NT-C)
125	EN2111905 6	Jadhav Omkar Bharat	125	52919	61.53	Male	OPEN
126	EN2117589 8	Sagade Harshad Shahaji	126	53199	61.39	Male	OBC
127	EN2116521 4	Maner Aman Javed	127	53405	61.39	Male	OBC
128	EN2116201 2	Tejas Gunvant Waghmode	128	53581	61.27	Male	NT 2 (NT-C)
129	EN2120803 4	Karale Prathamesh Suhas	129	53743	61.27	Male	opEN

Mandatory Disclosure-2021-22

130	EN2120064 2	Suryawanshi Snehal Ramchandra	130	54291	60.86	Female	OPEN
131	EN2117560 0	Sapkal Sudarshan Suryakant	131	54434	60.86	Male	OPEN
132	EN2116040 4	More Aditya Uday	132	54697	59.79	Male	OPEN
133	EN2119867 8	Bhoite Pooja Rajendra	133	54698	59.79	Female	OPEN
134	EN2113100 5	Ware Swapnil Babasaheb	134	54798	59.79	Male	NT 3 (NT-D)
135	EN2119783 1	Jadhav Sakshi Anandrao	135	54921	59.74	Female	OPEN
136	EN2111803 0	Jadhav Suhas Anil	136	54937	59.74	Male	OPEN
137	EN2119643 0	Wable Yashodeep Rajendra	137	55047	59.74	Male	OPEN
138	EN2112047 7	Shitole Pranjali Ramdas	138	55231	59.36	Female	OPEN
139	EN2117287 8	Shitole Ajinkya Sanjay	139	55915	58.98	Male	OPEN
140	EN2119384 2	Nalage Rohan Sarang	140	55950	58.98	Male	SC
141	EN2118600 6	Shivam Arun Mozar	141	56182	58.81	Male	OPEN
142	EN2122036 4	Tale Abhishek Sandeep	142	56535	58.71	Male	OBC
143	EN2112429 8	Jagtap Omkar Pundlik	143	57166	58.05	Male	SBC
144	EN2121114 3	Raut Suraj Sachin	144	57333	58.05	Male	OBC
145	EN2120220 7	Tamboli Alfiya Ashpak	145	57601	57.24	Female	OBC
146	EN2114504 2	Divekar Shantanu Nitin	146	57609	57.24	Male	OPEN
147	EN2115636 6	Lonkar Omkar Manik	147	57708	57.04	Male	OBC
148	EN2118586 5	Borphale Prem Prakash	148	58393	56.56	Male	OPEN
149	EN2116637 8	SIDDHIRAJ DIPAK NALAWADE	149	58488	56.56	Male	opEN
150	EN2117425 3	Jadhav Avinash Sopana	150	58703	56.26	Male	OPEN
151	EN2121141 4	Thakare Pratik Ramhari	151	58724	56.26	Male	OBC
152	EN2115716 0	Bajaj Shreya Mahesh	152	58770	56.26	Female	OPEN
153	EN2117710 0	Kadam Rohan Deepak	153	58808	56.26	Male	OPEN
154	EN2118664 4	Shinde Vaishnavi Vilas	154	58826	56.26	Female	OPEN
155	EN2110189 9	Herkal Rajat Pramod	155	58886	56.16	Male	OBC
156	EN2110386 6	Tiwari Anirudha Pradumna	156	59018	56.16	Male	OPEN
157	EN2115487 0	Wagh Sanket Netaji	157	59114	55.58	Male	OPEN
158	EN2119903 8	Bagwan Affan Tajuddin	158	81020	55.58	Male	OPEN
159	EN2121016 6	Chandelthakur Vijay Sanjaysing	159	59597	55.50	Male	OPEN
160	EN2117161 6	Jadhav Somnath Maruti	160	60073	55.02	Male	OPEN
161	EN2123889 1	Khaire Anushka Rajendra	161	60484	54.66	Female	OPEN

Mandatory Disclosure-2021-22

162	EN2121024 1	More Pranav Randhir	162	60543	54.66	Male	OPEN
163	EN2111956 1	Aishwarya Satyawar Baravakar	163	61069	53.92	Female	OBC
164	EN2111416 1	Chavan Mansi Sanjay	164	61107	53.92	Female	SEBC
165	EN2120589 2	Vhora Smit Sachin	165	61513	53.66	Male	OPEN
166	EN2119214 4	Kore Atharv Sushil	166	61763	53.51	Male	OBC
167	EN2110284 3	Rakhunde Shrivankumar Shahjirao	167	62271	52.21	Male	OPEN
168	EN2118321 3	Diwate Sourabh Sanjay	168	62803	52.02	Male	OPEN
169	EN2114491 2	Waghmare Rohit Rajendra	169	63265	51.90	Male	OBC
170	EN2114602 2	Kalkute Shivraj Shishir	170	63371	51.90	Male	OPEN
171	EN2114774 5	Kadam Sanika Shrikant	171	63388	51.90	Female	OPEN
172	EN2121516 5	Shiral Aniket Dayanand	172	63775	51.22	Male	OPEN
173	EN2113006 5	Bhoite Siddharth Jayaji	173	64885	50.61	Male	OPEN
174	EN2116253 0	Dhumal Harshada Nitin	174	64906	50.61	Female	OPEN
175	EN2115513 9	Jadhav Apeksha Ambadas	175	65564	48.98	Female	OPEN
176	EN2122284 5	Saurabh Rajendra Khaire	176	65620	48.98	Male	OPEN
177	EN2110432 6	Nikam Aniket Gorakhnath	177	66065	48.43	Male	OPEN
178	EN2118940 2	Bharati Om Balu	178	66287	48.37	Male	NT 1 (NT- B)
179	EN2116112 6	Attar Saba Imtiyaz	179	66798	48.31	Female	OPEN
180	EN2120700 7	Khaire Niranjana Ravindra	180	66828	48.31	Male	OPEN
181	EN2117487 3	Nikhil Laxman Hajare	181	67043	47.89	Male	OBC
182	EN2119699 7	Jadhav Swaraj Dattaraj	182	67280	47.78	Male	OPEN
183	EN2115549 8	Yadav Kartik Radheshyam	183	68011	47.43	Male	OPEN
184	EN2116085 3	Bagmar Sayyama Sachin	184	68075	47.43	Male	OPEN
185	EN2119199 7	Khamkar Sharvari Jitendra	185	68187	46.07	Female	OPEN
186	EN2110289 6	Salunkhe Rushikesh Ravindra	186	68389	46.07	Male	OPEN
187	EN2122595 1	Sanika Yogiraj Bhapkar	187	69013	45.17	Female	OPEN
188	EN2110088 2	Thombare Pranit Nitin	188	69060	45.17	Male	SBC
189	EN2122734 5	Chavan Raviraj Anandrao	189	69145	45.17	Male	OPEN
190	EN2122432 8	Kakade Gitanjali Gopalrao	190	69483	44.99	Female	OPEN
191	EN2112074 0	Pawar Sanket Suresh	191	69613	44.87	Male	OPEN
192	EN2119710 9	Jagdale Prasad Chimanlal	192	70038	44.52	Male	OPEN
193	EN2120623 9	Aadki Arpita Yashwanth	193	70434	44.46	Female	OPEN
194	EN2116163 0	Ubale Chaitanya Baburao	194	70392	44.45	Male	NT 1 (NT- B)

Mandatory Disclosure-2021-22

195	EN21100078	Nale Nilkanth Narayan	195	70459	44.35	Male	OBC
196	EN21116351	Dagade Harshada Vishwanath	196	70667	44.35	Female	OBC
197	EN21177720	Riya Dipak Patankar	197	70693	44.35	Female	SEBC
198	EN21162861	Surana Disha Sandeep	198	70755	44.35	Female	OPEN
199	EN21106070	Shinde Anuja Sanjay	199	71017	44.19	Female	OPEN
200	EN21129190	Nanavare Rutuja Savata	200	71173	43.09	Female	OBC
201	EN21107288	Dadas Pranav Nana	201	71189	43.09	Male	NT 2 (NT-C)
202	EN21172418	Shahane Shashank Gajendra	202	71278	43.09	Male	OBC
203	EN21172941	Bhoite Harshraj Mahesh	203	71432	42.44	Male	OPEN
204	EN21116666	Mane Gayatri Rajkumar	204	71504	42.44	Female	SBC
205	EN21159040	Khoche Omkar Kisan	205	71945	42.09	Male	SBC
206	EN21118703	Prathamesh Santosh Jagtap	206	73641	40.77	Male	OBC
207	EN21209622	Madane Sanchit Ashok	207	74043	40.25	Male	DT/VJ (NT-A)
208	EN21162048	Chautre Raj Krushnath	208	74227	39.79	Male	OPEN
209	EN21141199	Taware Shantanu Kalyan	209	74355	39.79	Male	OPEN
210	EN21206476	Nalawade Kunal Nitin	210	74444	38.75	Male	OPEN
211	EN21177951	Kale Tushar Machhindra	211	74533	38.75	Male	OPEN
212	EN21194340	Kadam Shravani Mangesh	212	74634	38.75	Female	OPEN
213	EN21114389	Ghogare Prerana Namdev	213	75261	38.05	Female	OPEN
214	EN21193916	Pawar Vaishnavi Prakash	214	75372	37.84	Female	OPEN
215	EN21223188	More Soham Vilas	215	75377	37.84	Male	OPEN
216	EN21179546	Raut Sakshi Santosh	216	75701	37.67	Female	OPEN
217	EN21128816	Chavan Arati Chandrakant	217	76178	37.43	Female	SC
218	EN21164574	Phadatare Raviraj Ramdas	218	76697	37.38	Male	OPEN
219	EN21203406	Sahil Arvind Pawar	219	76789	37.38	Male	OPEN
220	EN21174359	Hole Pratik Navnath	220	77065	36.44	Male	OPEN
221	EN21149214	Taware Shreyash Rajendra	221	77141	36.42	Male	OPEN
222	EN21178310	SUTAR PIYUSH SANTOSH	222	77411	36.42	Male	OBC
223	EN21215594	Shivashree Nimbalkar	223	77483	35.43	Female	OPEN
224	EN21155245	Tapkire Aditya Jalindar	224	77579	35.43	Male	OBC
225	EN21164055	Dhamal Aniket Anil	225	77969	34.27	Male	OPEN
226	EN21216288	Bagwan Juveriya Shoukat	226	78160	34.27	Female	OBC
227	EN21238581	Sutar Abhishek Patwardhan	227	78207	34.24	Male	OBC

Mandatory Disclosure-2021-22

228	EN21228875	Giramkar Hrishikesh Chhagan	228	79147	33.83	Male	OPEN
229	EN21167098	Mane Neha Sanjay	229	79203	33.83	Female	OPEN
230	EN21206183	Babar Ajay Nitin	230	79090	33.83	Male	OPEN
231	EN21172711	Danane Viraj Dnyandev	231	79348	33.79	Male	SC
232	EN21217339	Yadav Shivam Anil	232	79735	33.17	Male	OPEN
233	EN21214655	Pandit Shubham Shahaji	233	79916	32.71	Male	OBC
234	EN21162069	Bhanage Vedant Suhas	234	80258	32.21	Male	OPEN
235	EN21118771	Panhale Pranit Ankush	235	80383	32.21	Male	OPEN
236	EN21111925	Ajay Mohan Kharade	236	80881	30.67	Male	OPEN
237	EN21201878	Pawar Abhijeet Rajendra	237	81757	30.30	Male	OPEN
238	EN21185313	Pranav Bhauso Pawar	238	81815	30.30	Male	OPEN
239	EN21161234	Pardeshi Aniket Sanjay	239	81868	30.30	Male	NT 1 (NT-B)
240	EN21129148	Dalvi Gauri Dattatraya	240	82381	29.88	Female	OPEN
241	EN21189869	Khomane Nishant Dattatray	241	82636	29.00	Male	NT 2 (NT-C)
242	EN21203465	Deshmukh Siddharaj Ajitsingh	242	83371	27.42	Male	OPEN
243	EN21201248	Jaykumar Chandrakant Shevate	243	83420	27.42	Male	OBC
244	EN21164849	Jadhav Pratik Tanaji	244	83488	27.42	Male	OPEN
245	EN21150551	Angarkar Shrutika Rajendra	245	83912	27.00	Female	OBC
246	EN21179384	TAWARE AISHWARYA RAJESH	246	84929	26.70	Female	OPEN
247	EN21152302	Chavan Shrutika Ashish	247	85308	25.27	Female	OPEN
248	EN21187669	Jadhav Shambhuraj Sanjay	248	85341	25.27	Male	OPEN
249	EN21194123	Jagtap Soham Pravin	249	86188	23.71	Male	OPEN
250	EN21184932	Mohite Yasharaj Shrikant	250	86482	23.70	Male	OPEN
251	EN21172979	Choudhari Pratik Dhananjay	251	86520	23.70	Male	OPEN
252	EN21173585	Supe Sapana Prakash	252	86535	23.70	Female	OBC
253	EN21114975	Jadhav Vishwajit Uttreshwar	253	86904	23.69	Male	OPEN
254	EN21129419	Saudagar Salem Allabaksh	254	87661	22.08	Male	OPEN
255	EN21100045	Ghalme Madan Sanjay	255	87701	22.08	Male	OBC
256	EN21178240	Khalate Vikramsinh Yuvraj	256	87773	22.08	Male	OPEN
257	EN21120440	Pawar Shubham Chandrakant	257	87860	21.17	Male	OPEN
258	EN21228957	Jadhav Yogiraj Santosh	258	88380	20.64	Male	OPEN
259	EN21202956	Gaikwad Atharv Surendra	259	88425	20.63	Male	DT/VJ (NT-A)
260	EN21218787	Chavan Sakshi Umesh	260	88813	20.50	Female	OPEN

Mandatory Disclosure-2021-22

261	EN21241808	Nale Pratik Maruti	261	ACAP	20.50	Male	OBC
262	EN21185107	Ghadage Sagar Krushna	262	89107	20.41	Male	OPEN
263	EN21192351	Rasal Varun Anil	263	89173	20.41	Male	SBC
264	EN21163410	Bad Yogesh Bhagwat	264	89195	20.41	Male	OBC
265	EN21205739	Kadam Shivraj Anil	265	89284	20.41	Male	OPEN
266	EN21221228	Dudhal Shreeraj Sanjay	266	89343	20.06	Male	OBC
267	EN21128042	Abhijeet Umesh Haral	267	89559	19.80	Male	OPEN
268	EN21104820	Mhetre Shashank Sachin	268	90000	18.23	Male	SBC
269	EN21111793	Raskar Swapnil Jaykumar	269	90421	17.69	Male	OBC
270	EN21165855	Jarad Sahil Hiralal	270	90636	17.66	Male	OPEN
271	EN21166259	Bhise Rushiraj Malhari	271	90853	17.58	Male	NT 2 (NT-C)
272	EN21229735	Lavand Sanket Ganpat	272	90859	17.58	Male	OPEN
273	EN21179458	Kurumkar Vishal Rajendra	273	91280	17.23	Male	OBC
274	EN21191367	Patale Shivam Sadanand	274	91611	16.41	Male	OPEN
275	EN21154133	Panbude Suyash Dilip	275	92078	15.22	Male	SBC
276	EN21193920	Chavan Srushti Hanumant	276	92307	15.17	Female	SC
277	EN21169647	Zari Hujaifa Shahid	277	92340	14.96	Male	OPEN
278	EN21172283	Kendale Pratik Ashok	278	92490	14.96	Male	OPEN
279	EN21225861	Jogdand Sanika Sanjay	279	92588	14.95	Female	OPEN
280	EN21176239	Shinde Pranav Pandurang	280	92713	14.92	Male	OPEN
281	EN21210686	Kadam Dhanashri Balasaheb	281	93073	14.28	Female	OPEN
282	EN21174112	Kadam Vaishnavi Dinesh	282	93230	13.82	Female	OPEN
283	EN21176557	Dengle Prathmesh Narendra	283	93400	13.20	Male	OBC
284	EN21226543	Nalage Sudhanshu Siddheshwar	284	93499	12.80	Male	OPEN
285	EN21164325	Mokashi Abhishek Raosaheb	285	94574	11.53	Male	OBC
286	EN21180493	Raut Sudarshan Rajendrakumar	286	95140	10.55	Male	OBC
287	EN21191513	Atharv Channagire	287	95206	10.52	Male	OBC
288	EN21155364	Dev Surendra Chavan	288	96134	8.62	Male	OPEN
289	EN21114772	Nilakhe Akshay Santosh	289	96848	7.39	Male	OBC
290	EN21112536	Nikhil Ramesh Sapkal	290	97020	7.10	Male	OPEN
291	EN21146808	Shinde Yash Raju	291	97081	7.08	Male	NT 1 (NT-B)
292	EN21150236	Mane Vishvaraj Shivaji	292	97141	7.08	Male	OPEN
293	EN21108641	Sakshi Sandip Thorat	293	97567	6.56	Female	OPEN

Mandatory Disclosure-2021-22

294	EN21151227	Bhandalkar Gauri Rajendra	294	97642	6.03	Female	NT 2 (NT-C)
295	EN21119116	Ranaware Pritam Pradip	295	97909	5.67	Male	OPEN
296	EN21150071	Jagtap Saurabh Sunil	296	97992	5.45	Male	OBC
297	EN21155672	Patted Varnika Veeresh	297	98288	4.84	Female	OPEN
298	EN21141895	Sakib Shaikh	298	98310	4.82	Male	OPEN
299	EN21206913	Phalke Shriram Rajaram	299	98366	4.69	Male	OPEN
300	EN21190232	Jarad Vaibhav Shahaji	300	98519	4.58	Male	OPEN
301	EN21241459	Todkar Sanket Santosh	301	ACAP	4.22	Male	OPEN
302	EN21189628	Navale Anushka Sunil	302	98695	4.19	Female	OBC
303	EN21204418	Salunke Hemchandra Sampat	303	99022	3.59	Male	OPEN
304	EN21117738	Neha Santosh Kulkarni	304	99306	3.04	Female	OPEN
305	EN21195106	Zanjurne Anuj Bharat	305	99428	2.83	Male	SEBC
306	EN21124037	Kamble Subodh Mahendra	306	99595	2.42	Male	SC
307	EN21200056	Lokhande Vrushabh Mahesh	307	100651	0.25	Male	SC
308	EN21174919	Shendage Priyanka Sudam	308	100755	0.01	Female	NT 2 (NT-C)
309	EN21202096	Shingade Pranav Ramchandra	309	NA		Male	NT 2 (NT-C)

JEE Merit list for Institute level admission

Sr. No	DTE Application Id	Student Name	AI Merit No.	DTE AI Merit No.	JEE %	CET %	Gender	Category
1	EN21176624	Pise Arnav Pandurang	1	10599	81.11	81.46	Male	NT 2 (NT-C)
2	EN21102843	Rakhunde Shrivankumar Shahjirao	2	14862	75.44	52.21	Male	OPEN
3	EN21182437	Jagtap Srushti Pramod	3	14926	75.42	90.51	Female	OPEN
4	EN21124067	Jadhav Amit Shivkumar	4	15467	74.84	84.26	Male	OPEN
5	EN21160324	Pande Saurabh Rajesh	5	15724	74.40	88.75	Male	OPEN
6	EN21102896	Salunkhe Rushikesh Ravindra	6	16127	73.98	46.07	Male	OPEN
7	EN21187634	Nigade Sanskruti Chandrakant	7	16662	73.35	81.90	Female	OPEN
8	EN21155498	Yadav Kartik Radheshyam	8	16880	73.00	47.43	Male	OPEN
9	EN21162995	Taware Neha Pravin	9	17714	72.08	70.79	Female	OPEN
10	EN21119056	Jadhav Omkar Bharat	10	18649	71.07	61.53	Male	OPEN
11	EN21209045	Paliya Ashish Sanjay	11	18891	70.80	89.43	Male	OPEN
12	EN21153120	Kothare Nikhil Ramdas	12	19089	70.50	88.28	Male	OBC
13	EN21207142	Surve Jidnesh Mukesh	13	19492	70.06	83.42	Male	OPEN

Mandatory Disclosure-2021-22

14	EN21194340	Kadam Shravani Mangesh	14	20048	69.48	38.75	Female	OPEN
15	EN21187626	Taware Tejas Sunil	15	20181	69.29	69.66	Male	OPEN
16	EN21153914	Shinde Prajwal Pravin	16	20210	69.26	79.66	Male	OBC
17	EN21183986	Khatke Shreyash Rajaram	17	20419	68.95	64.03	Male	NT 2 (NT-C)
18	EN21162048	Chautre Raj Krushnath	18	20867	68.41	39.79	Male	OPEN
19	EN21214655	Pandit Shubham Shahaji	19	20919	68.39	32.71	Male	OBC
20	EN21103866	Tiwari Anirudha Pradumna	20	20923	68.39	56.16	Male	OPEN
21	EN21127132	Randhir Girish Kishor	21	21080	68.29	67.29	Male	OBC
22	EN21203962	Abhang Anjali Vilas	22	21493	67.66	82.10	Female	OBC
23	EN21203616	Bhosale Abhishek Somnath	23	22310	66.89	87.26	Male	OPEN
24	EN21198497	Gaikawad Snehashish Manik	24	22314	66.87	72.59	Male	OPEN
25	EN21224859	Patil Pritamraj Dattatray	25	22926	66.13	76.49	Male	OPEN
26	EN21119317	Thakare Charudatta Sunil	26	23187	65.87	86.71	Male	OBC
27	EN21205192	Bangar Vaishnavi Pandurang	27	23314	65.70	69.71	Female	NT 3 (NT-D)
28	EN21130897	Date Sakshi Amit	28	23631	65.37	63.94	Female	OPEN
29	EN21164574	Phadatare Raviraj Ramdas	29	23932	65.07	37.38	Male	OPEN
30	EN21200728	VARKAD AKANKSHA SHANKAR	30	24376	64.48	63.65	Female	OPEN
31	EN21173585	Supe Sapana Prakash	31	25595	63.07	23.70	Female	OBC
32	EN21154870	Wagh Sanket Netaji	32	26074	62.57	55.58	Male	OPEN
33	EN21156312	Rawate Aniket Prakash	33	27226	61.38	77.18	Male	OPEN
34	EN21195106	Zanjurne Anuj Bharat	34	27400	61.08	2.83	Male	SEBC
35	EN21213778	Desai Piyush Sanjay	35	27447	61.02	83.29	Male	OPEN
36	EN21196997	Jadhav Swaraj Dattaraj	36	27546	60.91	47.78	Male	OPEN
37	EN21162248	Kadam Atharv Rajendra	37	27666	60.75	82.74	Male	OPEN
38	EN21190149	Shinde Yugandhara Rahul	38	27918	60.43	65.88	Female	OPEN
39	EN21118657	Pawar Gauri Bharat	39	27944	60.38	83.19	Female	OPEN
40	EN21213091	Kazi Adil Shahid	40	28190	60.28	84.00	Male	OPEN
41	EN21162730	Yadav Gayatri Sanjaykumar	41	28250	60.21	85.80	Female	OBC
42	EN21101899	Herkal Rajat Pramod	42	28321	60.20	56.16	Male	OBC
43	EN21165214	Maner Aman Javed	43	28414	59.83	61.39	Male	OBC
44	EN21106165	Wankhade Devashish Nitin	44	29377	58.70	81.64	Male	OBC
45	EN21127495	Neelam Hanumant Bhapkar	45	29381	58.70	78.58	Female	OPEN
46	EN21103023	Vaze Atharv Purushottam	46	29382	58.70	67.76	Male	OPEN
47	EN21206255	Omkar Bodake	47	29700	58.24	63.59	Male	OBC
48	EN21100193	Konde Vaishnavi Meghshyam	48	29817	58.20	68.99	Female	OPEN
49	EN21151126	Gophane Shirkant Ramchandra	49	29827	58.20	61.89	Male	NT 2 (NT-C)
50	EN21206505	Bankar Harshal Vijay	50	29942	58.14	73.96	Male	OBC
51	EN21203763	Aher Mrudula Sandeep	51	30048	57.98	66.14	Female	OPEN

Mandatory Disclosure-2021-22

52	EN21114533	Sachit Tanaji Khade	52	30235	57.58	72.59	Male	NT 3 (NT-D)
53	EN21146608	Pisal Saurabh Umesh	53	30355	57.49	83.07	Male	OPEN
54	EN21180945	Kakade Anish Ajit	54	30516	57.32	69.31	Male	OPEN
55	EN21143091	Purva Nilesh Ranaware	55	31033	56.83	69.67	Female	OPEN
56	EN21157160	Bajaj Shreya Mahesh	56	31445	56.29	56.26	Female	OPEN
57	EN21145042	Divekar Shantanu Nitin	57	31770	55.78	57.24	Male	OPEN
58	EN21161130	Agawane Soham Mahesh	58	31877	55.63	78.86	Male	SC
59	EN21204533	Atharv Anil Chormale	59	31953	55.59	69.71	Male	NT 2 (NT-C)
60	EN21206913	Phalke Shriram Rajaram	60	31986	55.54	4.69	Male	OPEN
61	EN21230967	Ankit Ramjit Yadav	61	33939	53.12	85.18	Male	OPEN
62	EN21125143	Nalawade Atharva Ashok	62	33956	53.11	74.98	Male	OPEN
63	EN21186515	Jagdale Rahul Gajanan	63	34133	52.89	76.68	Male	OPEN
64	EN21180351	Taware Harshal Avinash	64	34761	51.93	63.65	Male	OPEN
65	EN21143139	Raturaj Avinash Taware	65	35199	51.50	85.89	Male	OPEN
66	EN21166497	Durugkar Aditya Shriniwas	66	35598	50.97	81.62	Male	OPEN
67	EN21114160	Chavan Sayali Arun	67	36793	49.20	73.65	Female	SEBC
68	EN21198990	Khaire Prathamesh Rajendra	68	37609	48.40	78.44	Male	OPEN
69	EN21178374	Rasal Vaishnavi Santosh	69	37659	48.35	72.47	Female	OPEN
70	EN21145560	Owal Om Umesh	70	38815	46.88	75.67	Male	OBC
71	EN21146808	Shinde Yash Raju	71	39229	46.00	7.08	Male	NT 1 (NT-B)
72	EN21128042	Abhijeet Umesh Haral	72	39537	45.63	19.80	Male	OPEN
73	EN21143880	Maurya Neeraj	73	39887	45.04	63.65	Male	OPEN
74	EN21118030	Jadhav Suhas Anil	74	40259	44.62	59.74	Male	OPEN
75	EN21155245	Tapkire Aditya Jalindar	75	40354	44.48	35.43	Male	OBC
76	EN21162861	Surana Disha Sandeep	76	40362	44.48	44.35	Female	OPEN
77	EN21124037	Kamble Subodh Mahendra	77	40393	44.45	2.42	Male	SC
78	EN21172878	Shitole Ajinkya Sanjay	78	40535	43.96	58.98	Male	OPEN
79	EN21108641	Sakshi Sandip Thorat	79	40717	43.84	6.56	Female	OPEN
80	EN21191882	Parth Vivek Muchandi	80	41659	42.36	80.71	Male	OPEN
81	EN21190232	Jarad Vaibhav Shahaji	81	41765	42.29	4.58	Male	OPEN
82	EN21192669	Shlok Sachin Jagtap	82	42040	41.82	84.43	Male	OPEN
83	EN21195842	Jagtap Aditya Laxman	83	42066	41.80	78.44	Male	OPEN
84	EN21179384	TAWARE AISHWARYA RAJESH	84	42611	41.23	26.70	Female	OPEN
85	EN21162069	Bhanage Vedant Suhas	85	42834	40.64	32.21	Male	OPEN
86	EN21202096	Shingade Pranav Ramchandra	86	43186	40.09		Male	NT 2 (NT-C)
87	EN21188384	Jagdale Atharva Sanjay	87	43449	39.93	80.92	Male	OPEN
88	EN21210166	Chandelthakur Vijay Sanjaysing	88	43495	39.92	55.50	Male	OPEN

Mandatory Disclosure-2021-22

89	EN21105267	Khandagale Rohan Nanaso	89	43525	39.92	77.61	Male	OPEN
90	EN21106070	Shinde Anuja Sanjay	90	43848	39.19	44.19	Female	OPEN
91	EN21200056	Lokhande Vrushabh Mahesh	91	43856	39.19	0.25	Male	SC
92	EN21157437	Siddhi Umakant Mulik	92	44909	37.26	73.82	Female	OPEN
93	EN21174919	Shendage Priyanka Sudam	93	44911	37.26	0.01	Female	NT 2 (NT-C)
94	EN21172711	Danane Viraj Dnyandev	94	45109	36.97	33.79	Male	SC
95	EN21152302	Chavan Shrutika Ashish	95	45303	36.72	25.27	Female	OPEN
96	EN21106846	Bhosale Aditya Dhananjay	96	45393	36.49	69.71	Male	OPEN
97	EN21187743	Nimbalkar Parth Anil	97	45483	36.13	75.67	Male	OPEN
98	EN21155364	Dev Surendra Chavan	98	46344	34.67	8.62	Male	OPEN
99	EN21191513	Atharv Channagire	99	46397	34.54	10.52	Male	OBC
100	EN21211143	Raut Suraj Sachin	100	46439	34.52	58.05	Male	OBC
101	EN21116666	Mane Gayatri Rajkumar	101	47384	32.87	42.44	Female	SBC
102	EN21161126	Attar Saba Imtiyaz	102	48167	31.50	48.31	Female	OPEN
103	EN21157213	Aasavari Ganesh Wani	103	48345	30.90	72.47	Female	OBC
104	EN21194123	Jagtap Soham Pravin	104	48608	30.33	23.71	Male	OPEN
105	EN21179633	Pathak Chaitanya Mukund	105	49057	29.47	74.35	Male	OPEN
106	EN21160853	Bagmar Sayyam Sachin	106	49527	28.55	47.43	Male	OPEN
107	EN21186097	Lomate Dhiraj Dharmraj	107	49532	28.55	69.31	Male	SEBC
108	EN21201248	Jaykumar Chandrakant Shevate	108	49656	28.32	27.42	Male	OBC
109	EN21127579	Kumbhar Raturaj Girish	109	50110	27.20	66.08	Male	OBC
110	EN21209000	Doke Saurav Ashok	110	50586	26.44	67.77	Male	OBC
111	EN21176557	Dengle Prathmesh Narendra	111	51435	24.08	13.20	Male	OBC
112	EN21172979	Choudhari Pratik Dhananjay	112	51578	23.84	23.70	Male	OPEN
113	EN21120440	Pawar Shubham Chandrakant	113	52279	22.01	21.17	Male	OPEN
114	EN21117738	Neha Santosh Kulkarni	114	53199	19.84	3.04	Female	OPEN
115	EN21168433	Kale Shravan Sukhadev	115	53867	17.99	79.95	Male	NT 2 (NT-C)
116	EN21184852	Shinde Pratik Vilas	116	54021	17.42	67.77	Male	OPEN
117	EN21179546	Raut Sakshi Santosh	117	54082	17.23	37.67	Female	OPEN
118	EN21150236	Mane Vishvaraj Shivaji	118	54761	14.96	7.08	Male	OPEN
119	EN21120740	Pawar Sanket Suresh	119	54834	14.76	44.87	Male	OPEN
120	EN21193842	Nalage Rohan Sarang	120	54924	14.49	58.98	Male	SC
121	EN21215594	Shivashree Nimbalkar	121	54998	14.23	35.43	Female	OPEN
122	EN21100882	Thombare Pranit Nitin	122	55177	13.85	45.17	Male	SBC
123	EN21191367	Patale Shivam Sadanand	123	55481	12.74	16.41	Male	OPEN
124	EN21204418	Salunke Hemchandra Sampat	124	55513	12.49	3.59	Male	OPEN
125	EN21229735	Lavand Sanket Ganpat	125	56042	10.40	17.58	Male	OPEN
126	EN21120244	Shelar Tanuja Sunil	126	56135	10.07	68.32	Female	OBC
127	EN21228957	Jadhav Yogiraj Santosh	127	57735	2.42	20.64	Male	OPEN

Mandatory Disclosure-2021-22

128	EN21191997	Khamkar Sharvari Jitendra	128	57831	1.89	46.07	Female	OPEN
129	EN21100045	Ghalme Madan Sanjay	129	57971	1.16	22.08	Male	OBC
130	EN21148080	Choudhary Jashoda Prakash	130	71341		71.06	Female	OPEN

Post Graduate: (PG):

Sponsored Students Merit List									
Sr. No.	CAP Application Id	General Merit No.	Type	Merit No.	Student Name	Gender	Caste	GAT E/BE Marks	Remark
1	ME21601659	184	Sponsored	1	Deokate Samruddhi Ramesh	Female	NT 2 (NT-C)	71.72	
2	ME21603646	758	Sponsored	2	Yadav Dilipkumar Vitthalrao	Male	OPEN	60.00	

Non-Sponsored(GATE) Students Merit List									
Sr. No.	CAP Application Id	General Merit No.	Type	Merit No.	Student Name	Gender	Caste	GAT E/BE Marks	Remark
1	ME21603053	1138	Non Sponsored	3	Jadhav Aniket Vinayak	Male	OPEN	13.02	
2	ME21600685	1439	Non Sponsored	4	Gavand Aniket Ankush	Male	NT 2 (NT-C)	10.69	
3	ME21602967	1714	Non Sponsored	5	Palekar Yash Abasaheb	Male	OPEN	8.92	
4	ME21601532	2045	Non Sponsored	6	Omkar Vitthal Darekar	Male	SBC	7.27	
5	ME21605131	2093	Non Sponsored	7	Vishal Ashok Rupnawar	Male	NT 2 (NT-C)	6.93	
6	ME21602542	2406	Non Sponsored	8	Gaurav Kisan Choudhar	Male	NT 3 (NT-D)	5.22	
7	ME21602541	2572	Non Sponsored	9	Pawar Digvijay Pradip	Male	OPEN	4.25	

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.	Secretary/Coordinator
2	Mr. Raut Prashant	Computer Engg.	Assistant Coordinator (FE)
3	Mr. Bhagwat Vishal	Mech. Engg.	Assistant Coordinator (DSE)
4	Mr. Khartode Rushikesh	Civil Engg.	Assistant Coordinator (ME)
5	Dr. Todkari Vinod	Mech. Engg.	Assistant Coordinator (B. Voc)
6	Mr. Sonawane Deepak	First Year Engg.	Assistant Coordinator (IL)
7	Mr. Ambole Rajaram	Computer Engg.	Coordinator (Branding)
8	Mrs. Bhoite Gauri	First Year Engg.	Member
9	Mr. Patil Anil	First Year Engg.	Member
10	Dr. Jadhav Nitin	First Year Engg.	Member
11	Dr. Shelke Nitin	First Year Engg.	Member
12	Mrs. Ghadage Supriya	First Year Engg.	Member
13	Mr. Jadhav Amol	First Year Engg.	Member
14	Ms. Phalke Nutan	Computer Engg.	Member

Mandatory Disclosure-2021-22

15	Mrs. Kulkarni Jyoti	Electrical Engg	Member
16	Mr. Shelar Sandeep	Electrical Engg	Member
17	Mrs. Surwase Varsha	E. & TC. Engg.	Member
18	Ms. More Monali	E. & TC. Engg.	Member
19	Dr. Gawande Vipin	Mech. Engg.	Member
20	Mr. Bhosale Deepak	Mech. Engg.	Member
21	Dr. Patil Ravindra	Civil Engg.	Member
22	Mr. Gaikwad Abhijit	Civil Engg.	Member
23	Mr. Wagh Sachin	Computer Engg.	Member
24	Mr. Nimbalkar Umesh	E. & TC. Engg.	Member
25	Mr. Dhumal Sunil	E. & TC. Engg.	Member
26	Mr. Bhosale Vaibhav	Computer Engg.	Member
27	Mrs. Jagtap Kusumanjali	Information Technology	Member
28	Mrs. Zargad Rupali	Computer Engg.	Member
29	Mr. Jarande Sachin	Civil Engg.	Member
30	Mr. Nitve Natu	Electrical 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. Gaikwad Hires	Mech. Engg.	Member
36	Mr. Sutar Dhananjay	Mech. Engg.	Member
37	Mr. Shendge Sadashiv	Mech. Engg.	Member
38	Mr. Thombare Vinitkumar	Mech. Engg.	Member
39	Mr. Kadhane Sudam	Mech. Engg.	Member
40	Mr. Nimbalkar Ganesh	First Year Engg.	Member
41	Mr. Jagtap Nandakumar	First Year Engg.	Member
42	Mr. Ovekar Prakash	Library	Member
43	Mr. Vhargar Bramhdev	First Year Engg.	Member
44	Mr. Kale Chandrakant	Information Technology	Member

**Score of the individual candidate admitted arranged in order of merit
List as per below (List of candidate who have been offered admission)**

**List of candidate who have been offered admission
Under Graduate(UG)**

Sr. No.	Branch	Application ID	Candidate Name	Category	Seat Type	Admission Date
1	Civil	EN21223188	More Soham Vilas	Open	IL	28-12-2021
2	Civil	EN21202956	Gaikwad Atharv Surendra	DT/VJ	IL	28-12-2021
3	Mechanical	EN21239544	Vaibhav Pramod Londhe	Open-EWS	IL	28-12-2021
4	Mechanical	EN21112536	Sapkal Nikhil Ramesh	Open - EWS	IL	28-12-2021
5	Mechanical	EN21241459	Todkar Sanket Santosh	Open-EWS	IL	28-12-2021
6	Electrical	EN21178310	Sutar Piyush Santosh	OBC	IL	28/12/2021
7	Electrical	EN21155245	Tapkire Aditya Jalindar	OBC	IL	28/12/2021
8	E&TC	EN21101398	Holkar Onkar Namdev	OBC	IL	27/12/2021

Mandatory Disclosure-2021-22

9	E&TC	EN21238891	Khaire Anushka Rajendra	Open - EWS	IL	27/12/2021
10	E&TC	EN21192144	Kore Atharv Sushil	OBC	IL	27/12/2021
11	E&TC	EN21215165	Shiral Aniket Dayanand	Open - EWS	IL	27/12/2021
12	E&TC	EN21162861	Surana Disha Sandeep	Open	IL	27/12/2021
13	E&TC	EN21226543	Nalage Sudhanshu Siddheshwar	Open	IL	27/12/2021
14	Computer	EN21119317	Thakare Charudatta Sunil	Open	IL	28/12/2021
15	Computer	EN21143139	Taware Ruturaj Avinash	Open - EWS	IL	28/12/2021
16	Computer	EN21213091	Kazi Adil Shahid	Open - EWS	IL	28/12/2021
17	Computer	EN21115778	Jadhav Shruti Sanjay	Open	IL	28/12/2021
18	Computer	EN21198990	Khaire Prathamesh Rajendra	Open - EWS	IL	28/12/2021
19	Computer	EN21206703	Sagade Gayatri Sandip	Open	IL	28/12/2021
20	Computer	EN21105267	Khandagale Rohan Nanaso	Open - EWS	IL	28/12/2021
21	Computer	EN21208034	Karale Prathmesh Suhas	Open - EWS	IL	28/12/2021
22	Computer	EN21160404	More Aditya Uday	Open - EWS	IL	28/12/2021
23	Computer	EN21193842	Nalage Rohan Sarang	OBC	IL	28/12/2021
24	Computer	EN21215594	Shivashree Nimbalkar	Open	IL	28/12/2021
25	Computer	EN21164325	Mokashi Abhishek Raosaheb	Open	IL	28/12/2021
26	IT	EN21161794	Shingate Rajat Vijay	Open - EWS	IL	27/12/2021
27	IT	EN21187626	Taware Tejas Sunil	Open - EWS	IL	27/12/2021
28	IT	EN21203763	Aher Mrudula Sandeep	Open	IL	27/12/2021
29	IT	EN21158413	Dhamal Rutuja Naresh	Open - EWS	IL	27/12/2021
30	IT	EN21183986	Khatke Shreyash Rajaram	NT-C	IL	27/12/2021
31	IT	EN21162012	Waghmode Tejas Gunvant	NT-C	IL	27/12/2021
32	IT	EN21162530	Dhumal Harshada Nitin	Open - EWS	IL	27/12/2021
33	IT	EN21196997	Jadhav Swaraj Dattaraj	Open - EWS	IL	27/12/2021
34	IT	EN21106070	Shinde Anuja Sanjay	Open - EWS	IL	27/12/2021
35	IT	EN21164055	Dhamal Aniket Anil	Open - EWS	IL	27/12/2021

Mandatory Disclosure-2021-22

36	IT	EN21111925	Ajay Mohan Kharade	Open	IL	27/12/2021
37	IT	EN21179384	Taware Aishwarya Rajesh	Open - EWS	IL	27/12/2021
38	AIDS	EN21173396	Jarad Raj Dipak	Open - EWS	IL	27/12/2021
39	AIDS	EN21186515	Jagdale Rahul Gajanan	Open	IL	27/12/2021
40	AIDS	EN21178374	Rasal Vaishnavi Santosh	Open	IL	27/12/2021
41	AIDS	EN21171940	Sayyad Shahin Isak	OBC	IL	27/12/2021
42	AIDS	EN21103023	Vaze Atharv Purushottam	Open - EWS	IL	27/12/2021
43	AIDS	EN21180351	Taware Harshal Avinash	Open	IL	27/12/2021
44	AIDS	EN21211414	Thakare Pratik Ramhari	OBC	IL	27/12/2021
45	AIDS	EN21114161	Chavan Mansi Sanjay	Open - EWS	IL	27/12/2021
46	AIDS	EN21205892	Vhora Smit Sachin	Open - EWS	IL	27/12/2021
47	AIDS	EN21100882	Pranit Nitin Thombare	SBC	IL	27/12/2021
48	AIDS	EN21162048	Chautre Raj Krushnath	Open	IL	27/12/2021
49	AIDS	EN21149214	Taware Shreyash Rajendra	Open - EWS	IL	27/12/2021

List of Candidate admitted to PG

Post Graduate(PG)

Sr. No.	Application ID	General Merit No.	Branch for ME	Name	Gate Score
1	ME21603646	2	Structural Engineering	Yadav Dilipkumar Vitthalrao	60

- 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.
- Details waiting list is as above.
- **List of the candidate who joined within the date, vacancy position in each category before operation of waiting list**

Mandatory Disclosure-2021-22

Sr. No.	Branch	Sanctioned Intake	Institute Level Quota	Actually Admitted	Vacant Inst. Quota
1	CIVIL	60	12	02	10
2	MECH	60	12	3	8
3	ELECT.	60	06	02	04
4	ENTC	60	00	06	00
5	COMP	60	12	12	00
6	IT	60	06	12	00
7	AIDS	60	06	12	00
	Total	420	54	37	25

10.15 Information of Infrastructure and Other Resources Available

10.15.1 Information of Infrastructure

Number of Class Rooms and size of each	21 (66 Sq.M.)
Number of Tutorial rooms and size of each	5 (33 Sq.M.)
Number of Laboratories and size of each	60(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) 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	Yes

10.15.2 Library

- Number of Library books/ Titles/ Journals available (program-wise)
- List of online National/ International Journals subscribed
- E- Library facilities

S r. N o.	Course	Total Number of Titles	Total Number of volumes	Number of Journals		
				Print		Online
				Nationa l	Internation al	International
Under Graduate:						(IEEE + Springer Mechanical +
1	Computer Engineering	2069	5250	06	-	
2	Information Technology	1143	3125	06	-	

Mandatory Disclosure-2021-22

3	Elect. & Telecom. Engineering	1780	5729	06	-	ASCE packages)	
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:

- | | |
|--|--|
| <ul style="list-style-type: none"> ☛ Book Bank scheme ☛ Internet facility ☛ Home issue of Books ☛ Drop Box System for Book return ☛ Online Renewal of books Carrel (overnight) issue Online reservation of book | <ul style="list-style-type: none"> ☛ Reading Hall ☛ Photocopy services ☛ Online Public Access Catalogue |
|--|--|

[2] List of online National/ International Journals subscribed:

Mandatory Disclosure-2021-22

**Give list of journals subscribed (Print Journals)
List of Print Journals to be subscribed for 2022**

SN 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 equipments /Facilities in each Laboratories/workshop**

Mandatory Disclosure-2021-22

Dept	Name of the Laboratory	Lab /Major Equipment
First Year	LANGUAGE LAB	PC's=24, S/W Sever = 1, LCD Projector=1, Projector Screen = 1, Gols, Tell Me more Software
	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, Digital Balances, Colorimeter, and Ph meter.
	BASIC ELECTRICAL ENGINEERING LAB	"1.BEE Experimental set up (2 nos) 2. Home elect. wiring Training system -1"
	SYSTEMS IN MECHANICAL ENGINEERING LAB	Steam engine with Boiler, Safty valves, Cochran Boiler, Gear Models, Boiler Models, Charts Flywheel, Belt friction apparatus
Civil Engineering	ENVIRONMENTAL ENGINEERING LAB-CIVIL	Auto clave, BOD incubator, Spectro-photometer, Dust sampler, Distillation unit.
	TRANSPORTATION ENGINEERING LAB-CIVIL	Abrasion testing, Ductility test, Bitumen extractor, Marshal stability.
	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 rebound on st
	GEOTECHNICAL ENGINEERING	Triaxial test, CBR test, Permeability apparatus, sand UCT, DSRT.
	CONCRETE TECHNOLOGY	Compression Testing Machine, Core cutter, Flexural Strength machine.
	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
	FLUID MECHANICS LAB-CIVIL	Wind Tunnel, Impact of jet apparatus
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

Mandatory Disclosure-2021-22

	MECHANICAL CAD LAB	Computers i3 -25 Quantity, i5: 21 Quantity, Software's- ANSYS, Solid Works, Solid Edge, Master CAM, AutoCad, MSC-Nastran
	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
	WORKSHOP (MS)-UG	Lathe Machines, Drilling Machine, Milling Machine, and Shaping Machines with adequate accessories.
	WORKSHOP - FITTING, CARPENTRY	Carpentry, Machine Shop, Welding Shop, Plastic Molding, Black Smithy & Tin Smithy, Fitting & Plumbing.
Electrical Engineering	ELECTRICAL MACHINES II	Three Phase Induction Motor - 5 kW, Three Phase Alternator- 3.5 kVA, Three Phase Synchronous Motor set
	BASIC ELECTRICAL ENGINEERING	Trolley mounted BEE set up (2 nos), Home electrical wiring Training system
	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
	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
	NETWORK ANALYSIS ,POWER ELECTRONICS/ POWER QUALITY & PECD LAB	"1. VI characteristics of SCR, DIAC, TRIAC 2. IGBT Characteristics trainer. 3. 1 phase half wave ,Kit to verify network theorems, Z & Y parameters, RLC Circuits, CRO,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, Compensator
	NETWORK ANALYSIS AND ELECTRICAL WORKSHOP	Kit to verify network theorems, Z & Y parameters, RLC Circuits, CRO
E&TC 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 AND MECHATRONICS LAB	Dso (100mhz, 70 mhz) , Wi-Fi smart LED TV, LCR –Q meter , audio lab experiment kit, mechatronics experiment kit set, , Db meter.
	LINEAR IC LAB	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.
Computer Engineering	DATA BASE SYSTEM LAB-COMPUTER	Computer :- HP202 G2 DESKTOP i3 Printer :- Epson LQ-1150-II Projector :- EPSON Projector EBX-29
	PROGRAMMING LAB	Computer :- HP Elite 7100 MT i5 HP Pro 3330 MT i3 Dell Optiplex TM 3010DT N-Series i5 Printer :- LIPI 6805 Line Printer EPSON LQ 2190 Epson LQ-1150-II Projector :- Epson EB-W05 D link WI FI
	ADVANCED NETWORK LAB-COMPUTER	Computer:1) DELL OPTIPLEX 390 DT, 2) HP - 202G2, i5 Printer: HP Printer , Model- PROMFP M-132a Projector: Data Projector Make Plus Model U5-512h WI FI D Link
	OPERATING SYSTEM LAB-COMPUTER	Computer: DELL OPTIPLEX 3010 D, 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
	PROJECT LAB-COMPUTER	Computer: ASUS D510MT, i5,8 GB RAM, 500 GB HDD, USB-keyboard, Mouse
	PARALLEL COMPUTING LAB-COMPUTER	Computer :- DELL OPTIPLEX -390 i3 Printer :- Epson LQ-1150-II 1 Projector :- Mitsubishi ES-220U
	PROJECT LAB	Computer: ASUS D510MT i5, Pen Tablets (3)
	PG LAB	Computer: ACER Veritron i5- 11400 11th gen. Projector: Benq MX560P
Information Technology	DIGITAL LABORATORY-2	20 Computers, one 48 Port switch, Internet facility.
	NETWORK LABORATORY	20 Computers, HP laser printer, one 24-Port switch, Networking devices, LAN Tester, Creeping tools, 8-Port switches, Access Point, Internet facility.
	SOFTWARE LABORATORY	21 Computers, one 24 Port switch, Internet facility.
	SOFTWARE DEVELOPMENT LAB.	45 Computers, Three 24-Port switches, Internet facility.
	INFORMATION TECHNOLOGY LAB.	30 Computers, one 24-Port switch, Kinect sensor, Digital camera, Lipi make printer, HP Laser printer, and Internet facility.
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

Mandatory Disclosure-2021-22

Dept.	Name of the Laboratory	List of Experimental Setup
First Year	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.
	BASIC ELECTRICAL ENGINEERING LAB	1. Trolley based experimental setup (R-L, R-C, and R-L_C loads, Star-Delta, Theorems, Kirchhoff's Laws and Resistance Temperature Detector (RTD)). 2. Home Electrical Wiring Training system (Switches, Sockets, Holder, wiring and Lights (FL, CFL, LEDs, and Energy Meters)
	SYSTEMS IN ENGINEERING LAB	All experiments are study experiments. No experimental set up for this lab.
	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)

Mandatory Disclosure-2021-22

		Preparation of nickel coating on copper metal using both methods, Electroplating and Electroless plating (1).
Civil Engineering	ENVIRONMENTAL ENGINEERING LAB-CIVIL	Microcontroller Conductivity/TDS Analyzer BOD Incubator UV Spectro –photometer Digital Flame photometer
	TRANSPORTATION ENGINEERING LAB-CIVIL	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++
	FLUID MECHANICS LAB-CIVIL	Wind Tunnel, Tilting flume
Mechanical Engineering	HEAT TRANSFER AND REFRIGERATION AND AIR CONDITIONING LAB	<ol style="list-style-type: none"> 1. Determination of heat transfer coefficient in natural convection. 2. Determination of heat transfer coefficient in forced convection. 3. Determination of thermal conductivity of metal rod. 4. Determination of thermal conductivity of composite wall. 5. Determination of Stefan-Boltzmann Constant. 6. Determination of temperature distribution, fin efficiency in forced convection. 7. Test on ice plant test rig, 8. Test on vapour absorption refrigeration test rig. 9. Test on air conditioning test rig.

	<p align="center">METALLURGY AND QUALITY CONTROL LAB</p>	<ol style="list-style-type: none"> 1. Calibration of measuring instruments. Example – Dial gauge & Vernier. 2. Verification of dimensions and geometry of given components using Mechanical /Pneumatic. 3. Error determination of linear / angular measuring instruments and determination of linear and angular dimensions of given part, (MSA: Gauge R & R), comparator. 4. Machine tool alignment testing on machine tool – Lathe machine. 5. Demonstration of surfaces inspection using optical flat, To measure major diameter, minor diameter and pitch of screw thread using Profile. 6. Measurements of thread parameters using Floating Carriage diameter measuring Machine. 7. Demonstration of specimen preparation for microscopic examination. 8. Drawing of Microstructure of steels of various compositions, 9. Heat treatment of Plain Carbon Steel and determination of relative hardness, 10. Drawing of Microstructure of Heat Affected Zone in Welding.
	<p align="center">THERMODYNAMICS LAB & FLUID MECHANICS LAB</p>	<ol style="list-style-type: none"> 1. Determination of flash point temperature of given liquid fuel. 2. Determination of pour point and cloud point temperature of give 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.
	<p align="center">MECHATRONICS AND AUTOMATION LAB-MECH</p>	<ol style="list-style-type: none"> 1. Measurement of displacement using LVDT characteristics. 2. Real Time Temperature / Flow Control using PID Control system. 3. Experiments to be done on hydraulic trainer. 4. Experiments to be done on pneumatic trainer. 5. Test on pressure relief valve/flow control valve. 6. Test on linear /rotary actuator.
	<p align="center">MATERIAL TESTING LAB</p>	<ol style="list-style-type: none"> 1. Tensile Test for ductile & brittle material, 2. Shear test of Ductile material on Universal Testing Machine.
	<p align="center">DYNAMICS OF MACHINERY AND THEORY OF MACHINERY LAB</p>	<ol style="list-style-type: none"> 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,

Mandatory Disclosure-2021-22

		<ol style="list-style-type: none"> 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 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 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 amount of damping. 10. To verify natural frequency of torsional vibration of two rotor system and position of node. 11. To determine natural frequency of transverse vibration of beam using vibration analyzer. (Vibration Measurement by FFT analyzer).
	STEAM POWER PLANT LAB	<ol style="list-style-type: none"> 1. Determination of dryness fraction of steam, 2. Trial on boiler to determine boiler efficiency, equivalent evaporation and Energy balance, 3. Trial on steam power plant to determine plant efficiency
	TURBO MACHINES LAB	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 1. Static stress concentration factor calculation for a plate with center hole subjected to axial loading 2. Stress and deflection analysis of any machine component consisting of 3-D elements using FEA, 3. Modal analysis of any machine component using FEA software. 4. 2D Forced convection problem using FEA software, 5. Elasto-plastic analysis of a tensile test specimen using FEM software, 6. Contact stress analysis using FEM software tension using FEA software
	PG I C ENGINE LAB	<ol style="list-style-type: none"> 1. Morse Test on Multi cylinder Petrol/ Diesel engine for determination of Friction power. 2. Variable load test on diesel engine to determine various efficiencies, SFC and Heat balance sheet. 3. Test on variable compression ratio engine, 4. Test on Positive Displacement Air Compressor, 5. Demonstration of Exhaust Gas Analyzer

	<p style="text-align: center;">PG VIBRATION AND MECHANICS LAB</p>	<ol style="list-style-type: none"> 1. Determine basic engineering properties such as E- Young's Modulus, ν- Poisson's ratio, G- Shear modulus. 2. To determine stress concentration factor in a tension like specimen having a circular hole at center. 3. Experiment to determine deflections in a rectangular beam. Experiment to determine multi axial stresses in a hollow pressurized cylinder. 4. Experiment to determine bending stresses in a Al-Steel Composite beam, 5. Experiment to determine the buckling critical load in columns of various lengths. 6. Experiment to determine stresses in a beam subjected to Dynamic load. 7. Experiments to determine spring constant and natural frequency under different masses. Also to study the effect of initial conditions on natural frequencies. 8. To determine mass moment of inertia of a complicated mass about its rotating axis and about its centroidal axis. 9. Trifilar Disk to determine mass moment of inertia of automobile or airplane
	<p style="text-align: center;">Workshop (MS)-UG</p>	<ol style="list-style-type: none"> 1. Manufacturing of any one assembly consisting of minimum two components and involving all the lathe operations, 2. Manufacture of spur gear on milling machine using indexing head. 3. Surface grinding using table grinder, 4. Any one marketable assembly consisting of at least three components with tolerance involving use of lathe, drilling, milling, grinding and any additional machine tool or processes as per requirement.
	<p style="text-align: center;">Workshop - Fitting, Carpentry,</p>	<ol style="list-style-type: none"> 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 operation (use dies and press). 9. Fitting Job: T-Joint , V-Joint, Radius Fitting, Dovetail Fitting
<p style="text-align: center;">Electrical Engineering</p>	<p style="text-align: center;">ELECTRICAL MACHINES II</p>	<p>3 Ph induction motor setup, 3 Ph alternator setup, 3 Ph synchronous motor setup</p>

Mandatory Disclosure-2021-22

	BASIC ELECTRICAL ENGINEERING LAB	BEE Experimental set up (2 nos), Home electrical wiring Training system
	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.
	MATERIAL SCIENCE & HIGH VOLTAGE ENGINEERING	Schering Bridge Setup, B-H Curve Setup, Thermocouple Setup, 100 mm Sphere gap Setup High Voltage 100 kV AC and 100 kV DC Test Setup, Oil Test Setup, High Voltage Tester with Jig Setup
	POWER SYSTEM & SWITCH GEAR 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 overcorrect relay testing setup, MCB testing setup
	NETWORK ANALYSIS ,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
E&TC 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 AND MECHATRONICS 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,
	LINEAR IC LAB	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.

	<p align="center">VLSI AND EMBEDDED SYSTEM</p>	<p>Advanced Processor experimental Setup: Interfacing LED to Embedded LPC 2148, Interfacing LCD embedded LPC 2148 to display image, interfacing GSM with embedded LPC2148 to send and receive messages and voice call, Interfacing GPS with Embedded LPC2148 to find current location, interfacing EEPROM with LPC2148 using I2C protocol, UART serial communication using LPC2148 , Real time audio capturing using DSP development kit.</p> <p>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,</p>
	<p align="center">PROJECT LAB</p>	<p>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.</p>
<p align="center">Computer Engineering</p>	<p align="center">DATA BASE SYSTEM LAB- COMPUTER</p>	<ul style="list-style-type: none"> ● Study of Open Source Relational Databases : MySQL ● Design and Develop SQL DDL statements which demonstrate the use of SQL objects such as Table, View, Index, Sequence, Synonym ● Installation and Configuration of Web Application Servers Tomcat, Apache, Web Sphere, JBoss, GlassFish ● Design and develop any suitable web application using HTML, CSS and XML in consultation of course instructor ● Mini project on classification: Apply a-priori algorithm to find frequently occurring items from given data and generate strong association rules using support and confidence thresholds
	<p align="center">PROGRAMMING -LAB</p>	<ul style="list-style-type: none"> ● Implementation of S-DES ● Implement C++ program for expression conversion as infix to postfix and its evaluation using stack based on given conditions. ● Write C++ program for maintaining singly link list. ● Write C++ program using stack to check whether given expression is well parenthesized or not. ● Write an application using Raspberry-Pi /Beagle board to control the operation of stepper motor. ● Installation and configuration of own Cloud
	<p align="center">ADVANCED NETWORK LAB- COMPUTER</p>	<ul style="list-style-type: none"> ● Setup a wired LAN using Layer 2 Switch and then IP switch of minimum four Computers. It includes preparation of cable, testing of cable using line tester, configuration machine using IP addresses, testing using PING utility and

		<p>demonstrate the PING packets captured traces using Wire shark Packet Analyzer Tool.</p> <ul style="list-style-type: none"> ● Write a program using TCP sockets for wired network to implement ● Design & implementation of Parallel (OpenMP) algorithm for K - Nearest Neighbors Classifier ● Apply a-priori algorithm to find frequently occurring items from given data and generate ● Understanding the connectivity of Raspberry-Pi /Beagle board circuit with IR sensor. ● Write an application to detect obstacle and notify user using LEDs.
	OPERATING SYSTEM LAB- COMPUTER	<ul style="list-style-type: none"> ● Write a Java program to implement Banker's Algorithm ● Implement UNIX system calls like ps, fork, join, exec family, and wait for process management (use shell script/ Java/ C programming). ● Implement Threaded Binary Tree and perform inorder traversal on it. Analyze the time complexity of the same ● 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. ● Design and develop custom Application (Mini Project) using Salesforce Cloud
	PROJECT LAB-COMPUTER	<ul style="list-style-type: none"> ● Study of Raspberry-Pi, Beagle board, Arduino and other micro controller (History & Elevation) ● Study of different operating systems for Raspberry-Pi /Beagle board. Understanding the process of OS installation on Raspberry-Pi /Beagle board ● Study of Connectivity and configuration of Raspberry-Pi /Beagle board circuit with basic peripherals, LEDS. ● Understanding GPIO and its use in program using temperature sensor. ● 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 find the largest of given byte/word/Dword/64 bit numbers ● Write an X86/64 ALP to perform multiplication of two 8-bit hexadecimal numbers. Use successive addition and add and shift method

	<p align="center">PARALLEL COMPUTING LAB-COMPUTER</p>	<ul style="list-style-type: none"> ● Implement a Lexical Analyzer using LEX for a subset of C. Cross check your output with Stanford LEX. ● Implementation of Instruction Scheduling Algorithm. ● Mini-Project 1: Implement POS tagging for simple sentences written Hindi or any Indian Language ● Introduction of R programming, Installation and Usage ● Write a Python program to build Hangman Game <p>Case Study (Market Basket Analysis)</p>
	<p align="center">PG LAB-COMPUTER</p>	<ul style="list-style-type: none"> ● Download a set of weather data from the Internet covering the temperature and atmospheric pressure over a four day period. Present the data using 2D and 3D plots, and so deduce if the weather conditions are trending either higher or lower over this four day period. (Possible web sites include http://www.bom.gov.au/climate/data/ and http://www.silkeborg-vejret.dk/english/regn.php). ● Statistical review: In your engineering discipline review a published paper which includes a statistical analysis. Write a brief report on the statistical methods used. Can you suggest an improved statistical analysis? Suggest some additional parameters that might have been measured during the data acquisition stage and so explain how you would analyze the total data set to deduce the influence (and statistical significance) of these additional measurements. ● Ant Colony Algorithm: The Traveling Salesman Problem is a problem of a salesman who, starting from his hometown, wants to find the shortest tour that takes him through a given set of customer cities and then back home, visiting each customer city exactly once." Each city is accessible from all other cities.. Use ant colony algorithm for generating good solutions to both symmetric and asymmetric instances of the Traveling Salesman Problem. Use appropriate representation for graph and an appropriate heuristic that defines the distance between any two nodes of the graph. Use parallel approach to optimize solution
<p align="center">Information Technology</p>	<p align="center">DIGITAL LABORATORY-2</p>	<p>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</p>
	<p align="center">NETWORK LABORATORY</p>	<p>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,</p>

Mandatory Disclosure-2021-22

		OpenGL,Mysql, MongoDB, Lex & Yacc Tool, NetBeans
	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
	SOFTWARE DEVELOPMENT LAB.	Operating systems: Windows 7 (32 Bit), Ubuntu 16.04 LTS Application Software: Windows: Microsoft Office 2007,Adobe Reader 9, Matlab, Editplus, NetBeans, TASM, RIDE, Flash Magic, Mysql, Xampp, MongoDB, JAVA, Tablue, R, Rstudio, Weka, Snort, Wireshark Ubuntu: G++, GCC, Eclipse for Java, Hadoop, Hbase, Hive, OpenGL,Mysql, MongoDB, Lex & Yacc Tool, NetBeans
	INFORMATION TECHNOLOGY LAB.	Operating Systems: Windows 7 (32 Bit), Ubuntu16.04LTS 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

10.15.4- Computing Facilities:

- Internet Bandwidth Capacity: : **103 Mbps (1:1)**
- Number and configuration of System:

Sr. No.	Make & Model No.	Total Inward
1	Wipro Xeon Server	1
2	Wipro 2.8 GHz	25
3	IBM AIX Server	1
4	Wipro 3.4 GHz	04
5	Lenovo 2.8 GHz	59
6	Lenovo 3.4 GHz	08
7	Dell Vostro 430	2
8	Dell OptiPlex 980 i3	26
9	Dell OptiPlex 980 i3	24
10	Dell OptiPlex 390 i3	21
11	HP Pro 7100, Inter Core i5-	20
12	HP Pro 3330, Inter Core i3	15
13	Dell OptiPlex 390 DT, Intel Core i3	35
14	Desktops Dell OptiPlex (TM) 3010 DT i3	50
15	Desktops Dell OptiPlex (TM) 3010 DT i5	50
16	HP ProLiant ML110 (Server)	1
17	Dell PowerEdge R210 (Server)	1
18	HP 202 G2 MT Desktop i5	50
19	HP 202 G2 MT Desktop i3	40
20	Desktop ASUS Make D510MT i5	65
21	HP 406 G1 MT i5 Desktop	1
22	N Computing NL 300+ Think client	40
23	HP ProLiant DL 60 GN9 Server	2
24	Dell OptiPlex 3046 MT	25

Mandatory Disclosure-2021-22

25	ACER VERITON M200 - H410, i5,	45
----	-------------------------------	----

- Total number of systems connected by LAN : **611**
- Total number of systems connected by WAN : **611**

Department wise major license and open-source software's are available:

Sr. No.	Name of the Dept.	Available Software Details
1	Computer Engineering & Information Technology	Visual Studio Professional 2017, Visual Studio Professional 2019, Office 2007 Suites Office Professional Plus 2010 Office Professional Plus 2013 Office Professional Plus 2016 Office Professional Plus 2019 Office 365 Free A1 Plus for Student and Faculty Windows 10 Education Windows 10 Enterprise 2015 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 Software (13 CD`s & 13 Manual, H/w lock) 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 Or Latest Software

Mandatory Disclosure-2021-22

		MATLAB 2020a with all Tools
3	Electrical Engineering	RS Logix 500 Software PSIM Software ETAP Auto CAD Electrical 2019 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 2018 3 Years Free Educational License
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 2018 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 Meet with Large Participants

Special purpose facilities available:

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

A) Firewall:

Mandatory Disclosure-2021-22

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.

B) 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

C) 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:

INTRODUCTION:

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

ROLE:

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.

Mandatory Disclosure-2021-22

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)	Member (To be detailed by the Co-ordinator)

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.

10.15.5 List of facilities available:

- **Games and Sports Facilities:**

Indoor/ Outdoor Sports / Gymnasium facilities:

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

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

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

- **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 visit: <http://www.VPKBIET.org/pages/nabhangan.html>

- **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:

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

- **NSS programs conducted details Academic Year (2021-22)**

Sr. No	Name of NSS Programme	Date	No of participants
1	World Day against Child Labour [https://youtu.be/c8hvGQAslSk]	12 June 2021	07
2	International Yoga Day Celebration [https://youtu.be/8D1Pb1JFnbA]	21 June 2021	193
3	Tree Plantation at Lakadi. 101 करंज, जांभूळ, उंबर, पिपळ and वड saplings were planted in the forest area and nearby the ZP school	14 Aug 2021	42
4	75th Independence Day Celebration [https://youtu.be/lkFq7bSG37k]	15 Aug 2021	142
5	Teachers' Day Celebration [https://drive.google.com/file/d/1y-6sies8m0TpH6-lcGkvcYkEuuoSZW7e/view]	05 Sept 2021	86
6	Activity for Well Being [https://youtu.be/r3uLpiV1amw]	25 Sept 2021	112
7	Gandhi Jayanti Celebration [https://youtu.be/qdYZLyRlcpo]	02 Oct 2021	202
8	Gender Sensitization Workshop at SPPU	26 Nov 2021	4
9	World AIDS Day Celebration	01 Dec 2021	134
10	Cleanliness Campaign at VPKBIET	14 Dec 2021	28
11	Savitribai Phule Jayanti Celebration [https://youtu.be/PFFhsjyU-OY]	03 Jan 2022	117
12	National Youth Day Celebration [https://youtu.be/WLBTYbiodAw]	12 Jan 2022	180
13	One-Day Workshop on Re-Cycling of Waste Plastic	18 Jan 2022	2

Mandatory Disclosure-2021-22

14	Voters Day Celebration	25 Jan 2022	232
15	Shiv-Jayanti Celebration at VPKBIET	19 Feb 2022	263
16	Nirbhaya Kanya Abhiyan	28 Feb 2022	98
17	Marathi Bhasha Gaurav Din Celebration	28 Feb 2022	168
18	International Women's Day Celebration	12 Mar 2022	110
19	3-day workshop on 'Role of NSS in Value Education' at Kakade College, Someshwarnagar	21-23 Mar 2022	17

- **Soft Skill Development Facilities/Training Facilitie**
Academic Year: 2021-22

Sr. No	Training Programmes	Agency/Trainer	Duration / Schedule (Days)	Participants(Branches)	No of Participants
1	Aptitude Training	Global Talent Track	11	Civil, Computer, E&TC, Electrical, IT, Mechanical	356
2	Aptitude Training	Global Talent Track	6	Computer, E&TC, IT	207
3	Verbal Ability Training	Global Talent Track	3	Civil, Computer, E&TC, Electrical, IT, Mechanical	231
4	C Programming Training	Global Talent Track	7	Civil, Computer, E&TC, Electrical, IT, Mechanical	221
5	Aptitude & Verbal Ability Training	Global Talent Track	7	Civil, Computer, E&TC, Electrical, IT, Mechanical	23
6	SQL PLSQL Training	Zensar ESD	10	Computer, E&TC , IT	130
7	Aptitude Training	Zensar ESD	5	Computer, E&TC , IT	130
8	Python Training	Zensar ESD	10	Computer, E&TC , IT	130
9	Aptitude Training Program	Global Talent Track	9	Civil, Electrical , Mechanical	99
10	Job Readiness	VPKBIET	1	Civil, Computer, E&TC, Electrical, IT, Mechanical	225
11	Networking & Developing your LinkedIn Profile	VPKBIET	1	Civil, Computer, E&TC, Electrical, IT, Mechanical	195

10.15.6 Teaching and Learning Process

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

First Year Engineering

Mandatory Disclosure-2021-22

Department Name	Term	Subject	Hours per Week			Maximum Marks				Total
			L	P/D	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	--	--	--	--	--	--	--	--		

Mandatory Disclosure-2021-22

**Civil Engineering
Undergraduate(UG)**

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

Postgraduate(PG)

Department Name		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)

Department Name		Term	Subject	Hours per Week			Maximum Marks				Total
				L	P/D	T	PP	TW	PR	OR	
Mechanical Engineering	FE	I	1.Systems Mechanical Engineering	3	2	--	100	--	25	--	125
			2. Workshop	--	2	--	--	--	25	--	25
		II	1. Engineering Graphics	1	2	1	50	25	--	--	75
		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

Mandatory Disclosure-2021-22

SE		5. Electrical and Electronics Engineering	3	2	--	100	25	--	--	125
		6. Geometric Dimensioning and Tolerancing Lab	--	2	--	--	25	--	--	25
		7. Audit Course - III	--	--	--	--	--	--	--	--
	II	1. Engineering Mathematics - III	3	--	1	100	25	--	--	125
		2. Kinematics of Machinery	3	2	--	100	--	--	25	125
		3. Applied Thermodynamics	3	2	--	100	--	--	25	125
		4. Fluid Mechanics	3	2	--	100	--	--	25	125
		5. Manufacturing Processes	3	--	--	100	--	--	--	100
		6. Machine Shop	--	2	--	--	50	--	--	50
		7. Project Based Learning - II	--	4	--	--	50	--	--	50
8. Audit Course - IV	--	--	--	--	--	--	--	--		
TE	I	1. Design of Machine Elements-I	4	2	--	100	50	--	--	150
		2. Heat Transfer	4	2	--	100	--	50	--	150
		3. Theory of Machines-II	3	--	1	100	25	--	25	150
		4. Turbo Machines	3	2	--	100	--	--	25	125
		5. Metrology and Quality Control	3	2	--	100	--	--	25	125
		6. Skill Development	--	2	--	--	25	25	--	50
	II	1. Numerical Methods and Optimization	4	2	--	100	--	50	--	150
		2. Design of Machine Elements-II	4	2	--	100	25	--	25	150
		3. Refrigeration and Air Conditioning	3	2	--	100	--	--	25	125

		4. Mechatronics	3	--	1	100	--	--	25	125	
		5. Manufacturing - Process-II	3	--	--	100	--	--	--	100	
		6. Machine Shop-II	--	2	--	--	50	--	--	50	
		7. Seminar	--	2	--	--	25	--	25	50	
		8. Audit Course	--	--	--	--	--	--	--	--	
	BE	I	1. Hydraulics and Pneumatics	3	2	--	100	25	--	25	150
			2. CAD CAM Automation	3	2	--	100	25	50	--	175
			3. Dynamics of Machinery	4	2	--	100	25	--	25	150
			4. Elective-I	4	2	--	100	25	--	--	125
			5. Elective-II	3	--	--	100	--	--	--	100
			6. Project-I	--	4	--	--	25	--	25	50
	II	1. Energy Engineering	3	2	--	100	25	--	25	150	
		2. Mechanical System Design	4	2	--	100	25	--	50	175	
		3. Elective-III	3	2	--	100	25	--	--	125	
		4. Elective-IV	3	--	--	100	--	--	--	100	
		5. Project-II	--	12	--	--	100	--	100	200	

Electrical Engineering

Undergraduate(UG)

Mandatory Disclosure-2021-22

Department Name		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	-	07	
			ADC	3	2	-	-	-	50	-	-	05	
			EMI	3	4	-	-	25	25	-	-	07	
			AME	-	2	-	-	25	-	-	-	02	
			E	-	2	-	-	25	-	-	-	02	
			SS	-	-	-	PP	-	-	-	-	-	
			AC										
			SE	II	PS-I	3	-	-	-	-	-	-	-
	EM-I	3			2	-	-	-	50	-	-	05	
	NA	3			2	-	-	25	-	-	-	05	
	NMC	3			2	-	-	-	25	-	-	05	
	P	3			4	-	-	25	-	25	-	07	
	FMA	-			4	-	-	50	-	-	-	04	
	PBL	-			-	-	PP	-	-	-	-	-	
	AC												
	TE	I	ITM	3	-	-	-	--	-	-	-	03	
			PE	3	4#	-	-	-	50	-	-	05	
			EM-II	3	2	-	-	25	25	-	-	04	
			EIDC	3	4#	-	-	25	25	-	-	05	
			BM	3	-	-	-	-	-	-	-	03	
			ELEC										
			T-I(AM ES)	2*			PP	50	-	-	-	01	
			SEMINAR										
			AC-V										
			TE	II	PS-II	3	2	-	-	25	50	-	-
		CADE			3	4#	-	-	50	-	25	-	05
M		3			2\$	1	-	25	-	25	-	04	
CES		3			-	\$	-	-	-	-	-	03	
TE		I	ELEC					100	-	-	-	04	
	T-II(EM)		2*	-	-	PP	-	-	-	-	00		
	INTE												
	RNSH												
	IP												
	AC												
BE	I	PSOC	3	2	-	-	25	-	25	-	05		
		PLC	4	2	-	-	25	50	-	-	06		
		SCADA & APPL											
		PQ	3	2	-	-	25	-	-	-	05		
		E&H	3	-	-	-	-	-	-	-	03		
		V	3	2	-	-	25	-	25	-	05		
		CS-II	-	-	2	-	-	--	50	-	02		
		PROJECT-I	--	--	-	PP	--	-	--	--	--		
AC													

Mandatory Disclosure-2021-22

		II	SGP	3	2	-	--	50	--	25	05
			PECD	4	2	-	-	25	50	--	06
			HVE	3	2	-	--	25	25	--	05
			SG	3	-	-	--	--	--	--	03
			PROJ	-	-	-	--	50	--	100	06
			ECT-II	--	---	-					
			AC			-	PP	--	--	--	--
						-					
						6					
						-					
						-					

Electronics and Telecommunication Engineering

Undergraduate(UG)

Department Name	Term	Subject	Hours per Week			Maximum Marks				Total	
			L	P/D	T	PP	T/W	PR	OR		
Electronics and Telecommunication Engineering	FE	I	Basic Electronics Engineering	03	02	-	100	25	-	-	125
	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

Mandatory Disclosure-2021-22

		Object Oriented Programming	3	-	-	100	-	-	-	100	
		Signals and Control Systems Lab		2	-	-	50	-	-	50	
		Principals of Communication System Lab	-	2	-	-	-	50	-	50	
		Object Orientated Programimng 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-1(DSP /AJP)	3	--	--	100	--	--	--	100	
		Digital Communication Lab			2	-	-	-	50	-	50
		Database Management Lab	--	2	-	-	-			25	25
		Microcontroller Lab	-	2	-	-	-	50	-	-	50
		Electiv-1 Lab	--	2	--	-	--	25	--	--	25
		Skill Development	-	2	-	-	25	-	-	-	25
		Mandatory Audit Course -5									
		II		Cellular Network	3	-	--	100	--	--	--

Mandatory Disclosure-2021-22

		Project Management	3	-	--	100	--	--	--	100
		Power Devices and Circuits	3	-	-	100	--	--	--	100
		Elective-2(DIP/AJP)	3	-	-	100	--	--	--	100
		Cellular Network Lab	-	2	-	-	--	--	50	50
		Power Devices and Circuit Lab	--	2	-	-	-	50	-	50
		Elective-2 Lab	--	2	-	-	-	25	--	25
		Internship	-	-	-	-	100	-	-	100
		Mini Project	--	4	--	--	25	--	50	75
		Mandatory Audit Course-6	-	-	-	-	-	-	-	-
B E	I	VLSI Design and Technology	3	--	--	100	--	--	--	100
		Computer Networks and Security	4	--	--	100	--	--	--	100
		Radiation and Microwave Techniques	3	--	--	100	--	--	--	100
		Elective-I	3	--	--	100	--	--	--	100
		Elective -II	3	--	--	100	--	--	--	100
		Lab Practice-I(CNS+RMT)	--	4	--	-	50	-	50	100
		Lab Practice-II(VLSI+Elective-I)	--	4	--	-	50	50	-	100
		Project-stage-I	--	--	2	-	--	--	50	50
		Audit Course-V	--	--	--	-	--	--	--	--
	II	Mobile Communication	3	--	--	100	--	--	--	100
		Broadband Communication System	4	--	--	100	--	--	--	100
		Elective-III	3	2	--	100	25	--	25	150
		Elective-IV	3	--	--	100	--	--	--	100
		Lab Practice-III(MC+BCS)	--	4	--	-	50	50	--	100

Mandatory Disclosure-2021-22

			Lab Practice-IV (Elective-III)	--	2	--	-	-	--	50	50
			Project stage-II	--	--	6	-	150	--	50	200
			Audit Course-VI	--	--	--	-	--	--	--	--

Information Technology

Undergraduate(UG)

Department Name	Class	Term	Subject	Teaching (Hours per Week)			Examination Scheme and Marks					Total
				Lect	Pr	Tut	In-Sem	End-	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
			QOPL	-	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	--	2	-	-	-	25	25	--	50
			LP-II	--	4	-	-	-	50	25	--	75
	AC- 6		--	--	--	-	-	--	--	--	--	
	BE	I	I&CS	3	--	--	30	70	--	--	--	100
SMD			4	--	--	30	70	--	--	--	100	
ML			3	--	--	30	70	--	--	--	100	
Elec-I			3	--	--	30	70	--	--	--	100	
Elec-II			3	--	--	30	70	--	--	--	100	
SL-III			--	4	--	-	-	50	50	--	100	
SL-IV			--	4	--	-	-	50	--	50	100	
Project-I		--	--	2	-	-	50	--	--	50		
II		DS	3	--	--	30	70	--	--	--	100	
		AD	3	--	--	30	70	--	--	--	100	
		Elec-III	3	2	--	30	70	25	--	25	150	
		Elec-IV	3	--	--	30	70	--	--	--	100	
		SL-V	--	4	--	-	-	50	50	--	100	
		SL-VI	--	2	--	-	-	25	--	25	50	
	Project	--	--	6	-	-	50	--	100	150		

Computer Engineering

Mandatory Disclosure-2021-22

Under Graduate(UG)

Department Name	Term	Subject	Hours per Week			Maximum Marks				Total	
			L	P/D	T	PP	TW	PR	OR		
Computer Engineering	FE	I	EM-I	3		1	100	25			125
		I	EPHY/ ECHEM	4	6		100		25		125
		I	SME	3	6		100		25		125
		I	BElect.E/ B Elec. E	3	6		100		25		125
		I	PPS/EM	3	6		100		25		125
		I	WORKSHOP		6				25		25
		II	EM-II	4		1	100	25			125
		II	EPHY/ ECHEM	4	6		100		25		125
		II	BElect.E/ B Elec. E	3	6		100		25		125
		II	PPS/EM	3	6		100		25		125
		II	EG	1	6	1	50		25		75
		II	PBL-I		12		25		50		75
	SE	I	DM	3			100				100
		I	FDS	3			100				100
		I	OOP	3			100				100
		I	CG	3			100				100
		I	DELD	3			100				100
		I	DSL		16			25	50		75
		I	OOPCGL		16			25	25		50
		I	DEL		8			25			25
		I	BCSL		8			25			25
		I	HSS			1		25			25
		II	EM-III	3		4	100	25			125
		II	DSA	3			100				100
		II	SE	3			100				100
		II	MP	3			100				100
		II	PPL	3			100				100
		II	DSAL		16			25	25		50
		II	MPL		8			25		25	50
		II	PBL-II		16			50			50
	II	COC			1		25			25	
	TE	I	DBMS	3			100				100
		I	TOC	3			100				100
I		SPOS	3			100				100	
I		CNS	3			100				100	
I		IOTES	3			100				100	
I		SPM	3			100				100	
I		DMSL		16			25	25		50	
I		CNSL		8			25		25	50	
I		LP-I		8			25	25		50	
I		STC			1		50			50	

Mandatory Disclosure-2021-22

	II	DSBDA	4			100				100
	II	WT	4			100				100
	II	AI	4			100				100
	II	CC	4			100				100
	II	Internship					100			100
	II	DSBDAL		16	4		50	25		75
	II	WTL		8			25		25	50
	II	LP-II		16			50	25		75
BE	I	HPC	4			100				100
	I	AI&R	3			100				100
	I	DA	3			100				100
	I	DMW	3			100				100
	I	SAD	3			100				
	I	STQA	3			100				100
	I	LP-I		16			50	50		100
	I	LP-II		16			50		50	100
	I	PWS-I		8					50	50
	II	ML	3			100				100
	II	ICS	3			100				100
	II	CP	3			100				100
	II	CC	3			100				100
	II	LP-III		16			50	50		100
	II	LP-IV		16			50		50	100
	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	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

- Teaching load and course handling faculties
- First Year Engineering

Mandatory Disclosure-2021-22

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. A. P. Hiwarekar	Engineering Mathematics-I	FE - I	4	Engineering Mathematics-I	1b, 2c, 3a, 6b, 5c	5	0	9
2	Mr. D. S. Sonawane	Engineering Mathematics-I	FE - IV & VI	8	Engineering Mathematics-I	1c, 2b, 3c, 4c, 6a	5	0	13
3	Ms. G. G. Bhoite	Engineering Mathematics-I	FE - III & V	8	Engineering Mathematics-I	2a, 3b, 4a, 5a, 6c	5	0	13
4	Mr. A. M. Jadhav	Engineering Mathematics-I	FE - II	4	Engineering Mathematics-I	1a, 4b, 5b,	3	0	7
5	Mr. A. S. Disale	Engineering Physics	FE - I	5	Engineering Physics	1a, 1b, 1c, 2b, 2c	10	0	15
6	Dr. N. T. Shelke	Engineering Physics	FE - II & III	10	Engineering Physics	3a, 3b, 3c, 2a	8	0	18
8	Dr. A. G. Sajjan	Engineering Chemistry	FE - VI	5	Engineering Chemistry	6a, 6b, 6c, 5b, 5c	10	0	15
9	Dr. N. A. Jadhav	Engineering Chemistry	FE - IV & V	10	Engineering Chemistry	4a, 4b, 4c, 5a	8	0	18
11	Ms V. S. Survase	Basic Electronics Engineering	FE - IV & V	8	Basic Electronics Engineering	4a, 4b, 4c, 5a	8	0	16
12	Ms. M. U. More	Basic Electronics Engineering	FE - VI	4	Basic Electronics Engineering	6a, 6b, 6c, 5b, 5c	10	0	14
13	Ms. J. S. Kulkarni	Basic Electrical Engineering	FE - I & II	8	Basic Electrical Engineering	2a, 2b, 2c	6	0	14

Mandatory Disclosure-2021-22

14	Mr.S. D. Shelar	Basic Electrical Engineering	FE - III	4	Basic Electrical Engineering	1a, 1b, 1c, 3a, 3b, 3c	12	0	16
15	Mr. A. M. Gaikwad	Engineering Mechanics	FE IV	4	Engineering Mechanics	4a, 4b, 4c	6	0	14
		EVS-I (Audit Course)	FE - III & IV	4	EVS-I (Audit Course)	---	0	04	
16	Mr. D. S. Bhosale	Engineering Mechanics	FE - V & VI	8	Engineering Mechanics	5a,5b, 5c, 6a,6b, 6c	12	0	20
17	Dr. R. J Patil	EVS-I (Audit Course)	FE I & II	4	Engineering Mechanics	---	0	0	4
18	Mr. P. K.Pise	EVS-I (Audit Course)	FE V & VI	4	EVS-I (Audit Course)	---	0	0	4
19	Mr. V. B. Bhagwat	Systems in Mechanical Engineering	FE - V & VI	8	Systems in Mechanical Engineering	5a,5b, 5c 6a,6b, 6c	12	0	20
20	Dr. V. C. Todkari	Systems in Mechanical Engineering	FE - I & II	8	Workshop	1a, 1b,1c 2a,2b, 2c	12	0	20
21	Mr. P. V. Dhandore	Systems in Mechanical Engineering	FE - III & IV	8	Systems in Mechanical Engineering	3a, 3b,3c 4a, 4b,4c	12	0	20
22	Mr. M. B. Rangdal	Programming and Problem Solving (PPS)	FE - II & III	8	Programming and Problem Solving (PPS)	3a, 3b, 3c, 2c,	8	0	16
23	Ms. N. N. Phalke	Programming and Problem Solving (PPS)	FE - I	4	Programming and Problem Solving (PPS)	1a, 1b, 1c, 2a, 2b	10	0	14
24	Mr. D. D. Rupanwar	Workshop	-----	0	Workshop	5a,5b, 5c	6	0	6
25	Mr. A. H. Kolekar	Workshop	-----	0	Workshop	1a, 1b	4	0	4

Mandatory Disclosure-2021-22

26	Mr. H. P. Borate	Workshop	-----	0	Workshop	1c, 3c	4	0	4
27	Ms. S. B. Lande	Workshop	-----	0	Workshop	2a, 2b	4	0	4
28	Mr. M. S. Gaikwad	Workshop	-----	0	Workshop	2c	2	0	2
30	Ms. P. D. Kale	Workshop	-----	0	Workshop	4a,4b, 4c	6	0	6
31	Mr. S. V. Shelge	Workshop	-----	0	Workshop	3a, 3b	4	0	4
32	Ms. M. S. Yadav	Workshop	-----	0	Workshop	6a,6b, 6c	6	0	6

Name of Department : Civil engineering Academic Year : 2021-22 Semester: I

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	4	18
		Research Methodology	ME	2					
		Audit Course 1 Road Safety Management	SE	1					
2	Dr. C. B. Nayak	Structural Design III	BE	4	Structural Design III	BE	8	4	18
		Numerical Methods in Structural Engineering	ME-I	2					
3	Dr. R. J. Patil	Env. Engg.	TE	3	Env. Engg. II	TE	8	2	21
		Env. Studies	FE	4					
4	Dr. S. G. Morkhade	Design of Steel Structures	TE	3	Design of Steel Structures	TE	16	4	29
		Advanced Design of Steel Structures	ME-I	4					
		Introduction to Constitution	ME-II	2					
5	Mr. D. G. Patil	Engineering Economics and Financial Management	TE	3	Architecture and Town Planning	BE	8	2	17
		Architecture and Town Planning	BE	3					
		Audit Course I: Professional Ethics and Etiquettes	TE	1					
6	Ms. S. B. Walke	Building Technology and Architectural Planning	SE	3	Building Technology and Architectural Planning	SE	16	4	23
7	Mr. U. T. Jagdale	Mechanics Of structure	SE	3	Mechanics Of structure	SE	16	4	27
		Structural Dynamics	ME-I	4					
8	Ms. S. R. Deshmukh	Water Supply Engineering	TE	3	Water Supply Engineering	TE	8	2	19

Mandatory Disclosure-2021-22

		Research Methodology	ME-II	2	Project (Phase-I)	BE	2		
					Project Stage I	ME-II	2		
9	Ms. J. C. Bhong	Engineering Geology	SE	3	Engineering Geology	SE	8	2	19
		Design of Foundations: Elective I	ME-I	5	Seminar TE	TE	1		
10	Mr. D. D. Ahiwale	Earthquake Engineering	BE	3	Lab Practice I	ME-I	4	4	19
		Analysis and Design of Earthquake Resistant Structures	ME-II	4	Seminar II	ME-II	4		
11	Mr. R. R. Khartode	Advanced Concrete Technology	TE	3	Advanced Concrete Technology	TE	8	4	19
		Theory of Elasticity & Plasticity	ME-I	4					
12	Mr. A. M. Gaikwad	Engineering Mechanics	FE	4	Engineering Mechanics	FE	6	2	16
		Env. Studies	FE	4					
13	Ms. P. A. Bokey	Fluid Mechanics	SE	3	Fluid Mechanics	SE	8	4	20
		Bio Mechanics and Bio Materials: Elective III	ME-II	5					
14	Mr. P. K. Pise	Hydrology and Water Resource Engineering	TE	3	Hydrology and Water Resource Engineering	TE	8	2	17
		Environmental Studies I	FE	4					

Name of Department Civil Engineering Academic Year : 2021-22 Semester: II

Sr. No	Name of Teacher	Details of the teaching Load hrs./Week							Total Load Hrs./Wk
		Theory			Practical/Tutorial			Project and Seminar Load	
		Subject	Class	Load	Subject	Class-Batch	Load		
1	Dr. G. N. Narule	Design of RC structures	TE	3	Design of RC structures	TE	16	4	23
2	Dr. C. B. Nayak	Quantity Surveying, Contracts and tenders	BE	3	Quantity Surveying, Contracts and tenders	BE	8	4	15
3	Dr. R. J. Patil	Waste Water Engineering	TE	3	Env. Engg. II	TE	8	2	21
		Env. Studies	FE	4					
4	Dr. S. G. Morkhade	Structural Analysis	SE	3	Structural Analysis	SE	1	4	14
					Seminar-I	ME-I	4		
					Project Stage-II	ME-II	2		
5	Mr. D. G. Patil	Elective-II: Architecture and Town Planning	TE	3	Elective-II: Architecture and Town Planning	TE	8	2	17
					Project Based Learning	SE	2		
6	Ms. S. B. Walke	Project Management	SE	3				4	15
		Finite Element Method	ME-I	4					
		Advanced Design of Concrete Structures	ME-I	4					
7	Mr. U. T. Jagdale	Green Building Technology	BE	3	Green Building Technology	BE	8	4	23
		Elective-II: Design of Pre-stressed	ME-I	4	Lab Practice-II	ME-I	4		

Mandatory Disclosure-2021-22

		Concrete Structures							
8	Ms. S. R. Deshmukh	Dams and hydraulic structures	BE	3	Dams and hydraulic structures	BE	8	2	20
					Seminar-III	ME-II	5		
					Project Phase-II	BE	2		
9	Ms. J. C. Bhong	Geotechnical Engg.	SE	3	Geotechnical Engg.	SE	8	2	15
					Internship	TE	2		
10	Mr. D. D. Ahiwale	Survey	SE	3	Survey	SE	16	4	23
11	Mr. R. R. Khartode	Concrete Technology	SE	3	Concrete Technology	SE	8	4	19
		Theory of Plates & Shells	ME-I	4					
12	Mr. A. M. Gaikwad	Engg. Mech.	FE	4	Engg. Mech.	FE	6	2	16
		Env. Studies	FE	4					
13	Ms. P. A. Bokey	Remote Sensing and GIS	TE	3	Remote Sensing and GIS	TE	8	4	17
		Audit Course II: Leadership and Personality Development/ Industrial Safety	TE	1					
		Elective-II: Building Services and Maintenance:	ME-I	1					
14	Mr. P. K. Pise	Hydropower Engineering	BE	3	Hydropower Engineering	BE	8	2	18
		Audit Course II: Disaster Management	SE	1					
		Environmental Studies I	FE	4					

Name of Department : Mechanical Engineering Academic Year : 2021-22 Semester: I

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. P. R. Chitragar	HMT	TE	04	HT	TE-4	08	02	14
2	Dr. S. M. Bhosle	SMD	SE	03	SMD(Pra)	SE-4	08	02	13
3	Dr. S. C. Bali	EMM	SE	03	EMM(Pra)	SE-4	08	02	13
4	Dr. M. S. Lande	MQC	TE	03	MQC(Pra)	TE-4	08	02	13
5	Dr. V.B.Gawande	ELE-I(CFD)	BE	03	CFD(Pra) SD(Pra)	BE-1 TE-4	02 08	02	15
6	Dr. V.C.Todkari	SME	FE	06	SME(Pra) WS(Pra)	FE-3 FE-1	06 02	02	16
7	(Dr).A.H. Kolekar	ET	SE	03	ET(Pra) WS(Pra)	SE-4 FE-1	08 02	02	15

Mandatory Disclosure-2021-22

8	(Dr).S.V.Shelge	CCA	BE	03	CCA(Pra) GDTL(Pra)	BE-4 SE-1	08 02	02	15
9	(Dr).V.B.Bhagwat	SME	FE	06	SME(Pra) WS(Pra)	FE-3 FE-1	06 02	02	16
10	(Dr).Mrs.P.D.Kale	TOM-II	TE	03	TOM- II(Tut) WS(Pra)	TE-2 FE-4	04 08	02	17
11	Mr.D.D.Rupnawar	H&P	BE	03	H&P(Pra) WS(Pra)	BE-4 FE-1	08 02	02	15
12	(Dr).H.P.Borate	SM	SE	04	SM(Pra) WS(Pra)	SE-4 FE-1	08 02	02	16
13	Mr.K.M.Jadhav	One Year Deputation for COEP's PGDERP Course							
14	(Dr).Ms.M.S.Yada v	TM	TE	03	TM(Pra) WS(Pra)	TE-4 FE-1	08 02	02	15
15	(Dr).S.H.Kumbhar	DME-I	TE	04	DME-I(Pra) WS(Pra)	TE-4 FE-1	08 02	02	16
16	Mr. P.V.Dhandore	DOM	BE	04	DOM(Pra) WS(Pra)	BE-4 FE-1	08 02	02	16
17	Mr.A.A.Bhapkar	ELE-I(FEA)	BE	03	FEA(Pra) WS(Pra)	BE-3 FE-1	06 02	02	13
18	Mr. M.S.Gaikwad	ELE-II(AE)	BE	03	WS(Pra)	FE-5	10	02	15
19	Mr.S.C.Mahadik	ELE-II(OR)	BE	03	GDTL(Pra) WS(Pra)	SE-3 FE-1	06 02	02	13
20	(Dr). D.S.Bhosale	SME	FE	03	SME(Pra)	FE-6	12	02	15

Name of Department :Mechanical Engineering Academic Year : 2020-21 Semester: II

Sr. No	Name of Teacher	Detailsof the teaching Load hrs./Week							Total Load Hrs./Wk
		Theory			Practical/Tutorial			Project and Seminar	
		Subject	Class	Load	Subject	Class-Batch	Load	Load	
		Detailsof the teaching Load hrs./Week							
		Theory			Practical/Tutorial			Project and Seminar	
		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	SE	03	MS-I(Pra) PBL-II	SE-4 SE-1	08 02	02	15
3	Dr. S. C. Bali	MP-II	TE	03	MS-II(Pra) PBL-II	TE-4 SE-1	08 02	02	15
4	Dr. M. S. Lande	ELE-III(IE)	BE	03	IE(Pra) PBL-II	BE-3 SE-2	06 04	02	15
5	Dr. V.B.Gawande	EG	FE	1	EG PBL	FE	09 02	02	14
6	Dr. V.C.Todkari	EG	FE	02	EG EG	FE	10 06	02	20
7	(Dr).A.H.Kolekar	ATD	SE	03	ATD(Pra)	SE-4	08	02	13

Mandatory Disclosure-2021-22

8	(Dr).S.V.Shelge	FM	SE	03	FM(Pra)	SE-4	08	02	13
9	(Dr).V.B.Bhagwat	EG	FE	01	EG PBL	FE	13 02	02	18
10	(Dr).Mrs.P.D.Kale	KOM	SE	03	KOM(Pra)	SE-4	08	02	13
11	Mr.D.D.Rupnawar	MTX	TE	03	MTX(Tut) PBL-II	TE-2 SE-1	04 02	02	11
12	(Dr).H.P.Borate	DME-II	TE	04	DME-II(Pra)	TE-4	08	02	14
13	Mr.K.M.Jadhav	One Year Deputation for COEP's PGDERP Course							
14	(Dr).Ms.M.S.Yadav	RAC	TE	03	RAC(Pra)	TE-4	08	02	13
15	(Dr).S.H.Kumbhar	MSD	BE	04	MSD(Pra)	BE-4	08	02	14
16	Mr. P.V.Dhandore	ELE-IV(PDD)	BE	03				02	
17	Mr.A.A.Bhupkar	ELE-IV(AMP)	BE	03	PBL-II(Pra)	SE-3	06	02	11
18	Mr. M.S.Gaikwad	NMO	TE	04	NMO(Pra)	TE-4	08	02	14
19	Mr.S.C.Mahadik	ELE-III(ROBO)	BE	03	ROBO(Pra) PBL-II	BE-1 SE-5	02 10	02	17
20	(Dr). D.S.Bhosale	EM							

Name of Department : Electrical Engineering Academic Year : 2020-21 Semester: I

Sr. No	Name of Teacher	Details of the teaching Load hrs./Week							Total Load Hrs./Week
		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.J.S.KULKARNI	BEE	FE	08	BEE	FE-4	08	04	20
3	Mrs.S. D. ROKADE ADAM	AMA PLC & SCADA AC-6	TE BE BE	03 04 02	PLC & SCADA	BE-4	08	04	21
4	Mrs.P.N.JAISWAL	EM-II EHV	TE BE	03 03	EM-II	TE	06	02	15
5	Mr.P.D.UPADHYE	MS	SE	04	MS	SE-3	06	04	18
6	Mr.D.S.YEOLE	EIMT PSOC	TE BE	03 03	EIMT	TE-4	16	04	26
7	Mr.N.C.VAIDYA(TILL 22nd OCT 2021)	ADE ITM AC-4	SE TE SE	04 03 02	ADE PSOC	SE-3 BE-1	06 02	04	21
8	Mr.R.A.RAKATE	EMI	SE	04	EMI	SE-4	16	04	24
9	Mr.Hafiz SHAIKH	PGT CS-II AC-4	SE BE TE	04 03 02	CS-II	BE-4	08	04	21
10	Mr.S.D.SHELAR	BEE	FE	04	BEE	FE-4	10	04	18
11	Mr..S.G.RAKHONDE	PE	TE	04	PE PSOC	TE-3 BE-6	06 06	04	20
12	Ms.V.D.BURUNGALE(AFTER 22nd OCT 2021)	ADE ITM AC-4	SE TE SE	04 03 02	ADE PSOC	SE-3 BE-1	06 02	04	21

Mandatory Disclosure-2021-22

13	Mr.Amol Jadhav	ENGG.M ATHS-III	SE	04	AMEE	SE-1	02	-	06
14	Dr.A.B Patil	SS	-	-		SE-4	02	-	08

Name of Department : Electrical Engineering Academic Year : 2021-22 Semester: II

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	PECD	SE BE	03 04	PBL PECD	SE-1 BE-3	04 06	06	23
2	Mrs.J.S.KULKARN I	BEE	FE	08	BEE	FE-4	08	06	22
4	Mrs.S. D. ROKADE ADAM	FMA AC-4	SE SE	03 02	FMA PBL	SE-4 SE-1	16 04	06	31
5	Mrs.P.N.JAISWAL	CS-I	TE	04	CS-I HVE PBL	TE-4 BE-2 SE-1	08 04 04	06	22
6	Mr.P.D.UPADHYE	NA	SE	03	NA PBL	SE-4 SE-1	08 04	06	21
7	Mr.D.S.YEOLE	SGP PS-I AC-6	BE SE SE	03 03 02	SGP PBL	BE-3 SE-1	06 04	06	24
8	Mr.R.A.RAKATE(til 15th Feb 2022)	PS-II HVE	TE BE	04 03	PS-II	TE- 4	08	06	18
9	Mr.Hafiz SHAIKH	NMCP SG	SE BE	03 03	NMCP PBL	SE-4 SE-1	08 04	06	24
10	Mr.S.D.SHELAR	CADEM BEE	TE FE	03 03	TE PBL	TE-4 SE-1	08 04	06	25
11	Mrs.V.V Deokate	EM-I EM	SE TE	03 03	EM-I HVE PBL	SE-4 BE-1 SE-1	08 02 04	06	26
12	Mr.S.K Raskar(after 1st April 2022)	PS-II	TE	04	PS-II PBL	TE- 4 SE-1	08 04	06	22

Name of Department : E. & Tc. Engineering Academic Year : 2021-22 Semester: I

Sr.No	Name of Faculty	Details of Teaching Load Hrs/week						Total Hrs/Week
		Theory			PR/TUT			
		Subject	Class	TH Hrs	Subject	Class	Pr LoadHrs	
1	Dr.Lande S. B.	DSP	T.E.(A&B)	3	DSP	TE	6	12
		DC	T.E.(B)	3				
2	Dr.Shastri R.K.	VLSI	B.E.(A)	6	VLSI	BE	6	12
3	Deshmukh V.U.	Electronic circuits	S.E.	3	EC	SE	6	18
		RMT	B.E.(A)	3	RMT	BE	6	
4	Dr.Patil B.H.	RMT	B.E.(B)	3	RMT	BE	4	16
		Digital Circuits	S.E.	3	DC	SE	6	
5	Kadabe P.K.	DS	S.E.	3	DS	SE	6	16
		DC	T.E.(A)	3	DC	TE	4	
6	Dr.Rangole J.S.	DIP	B.E.(A)	3	DIP	BE	6	16
		MC	T.E.(B)	3	MC	TE	4	
7	Surwase V.S.	BXE	F.E.	6	BEX	FE	10	16
8	Jagdale S.S.	DBM	T.E.(B)	6	DBM	TE	12	18
9	Biradar S.D.	EPD	B.E.(A)	3				16
		Honor/Minor	T.E.	3	H/M	TE	6	
		MC	T.E.(B)		MC	TE	4	
10	Jadhav M.M.	EMFT	T.E.(A)	6	EMFT	TE	6	16
		ESD	S.E.		ESD	SE	4	
11	Kushnure D.T	Electrical Circuits	S.E.	3	EC		6	16

Mandatory Disclosure-2021-22

		Skill Development	T.E.(B)		SD	TE	4	
		AI	B.E.(B)	3				
12	Kolhar S.U.	MC	T.E.(A)	3	MC	TE	4	16
		JAVA	TE	3	JAVA	TE	6	
13	Piske R.S.	CNS	B.E.(A)	4	CNS	BE	6	16
		Skill Development	T.E.(A)		SD	TE	6	
14	Dr.Nagalkar V.J.	CNS	B.E.(B)	4	CNS	TE	4	16
		DC	T.E.(B)		DC	TE	8	
15	Nikam S.B.	IOT	B.E.(B)	3	IoT	BE	4	16
		Audit course	B.E.(B)					
		Honor/Minor	B.E.	3	H/M	BE	6	
16	More M.U.	BXE	F.E.	3	BXE	FE	8	15
		ESD	S.E.		ESD	SE	2	
		Skill Development	T.E.(B)		SD	TE	2	

Name of Department : E. & TC. Engineering Academic Year : 2021-22 Semester: II

Sr. No	Name of Teacher	Details of the teaching Load hrs./Week							Total Load Hrs./Wk
		Theory			Practical/Tutorial			Project and Seminar	
		Subject	Class	Load	Subject	Class-Batch	Load	Load	
1	Dr.S.B.Lande	MC	BE	3	MC MP	BE TE	6 4	2	15
2	Dr. R.K.shastri	AVE	BE	3	AVE MP	BE TE	4 8	2	17
3	Deshmukh V.U.	CS PE	SE TE(B)	3 3	CS MP	SE TE(A)	8 4	2	20
4	Dr.Patil B.H.	PCS	SE	03	PCS PBL	SE SE	8 4	2	17
5	Kadbe P.K.	PDC	TE(A)	03	PDC	TE	12	2	17
6	Dr. Rangole J.S.	DIP SS	TE SE	03 03	DIP SS PBL	TE SE SE	2 4 4	2	18
7	Surwase V.S.	BE	FE	6	BE	FE	10	2	18
8	Jagdale S.S.	BCS	BEE	6	BCS	BE	10	2	18
9	Biradar S.D.	AVE	BE	3	AVE MP	BE TE	6 8	2	19
10	Jadhav M.M.	CN MC	TE BE(B)	3 3	CN MC	TE(A) BE(B)	6 4	2	18
11	Kolhar S.U.	AJP	TE	6	AJP	TE	10	2	18
12	Piske R.S.	WS	BE	6	DAL PBL	SE SE	8 4	2	20
13	Dr.Nagalkar V.J.	PM BE	TE FE	6 3	BE	FE	8	2	19
14	Nikam S.B.	BME CN	BE TE	3 3	PBL CN	SE TE	4 6	2	18
15	More M.U.	OOP	SE	3	OOP	SE	8	2	13

Name of Department : Information Technology Academic Year : 2021-22 Semester: I

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	

Mandatory Disclosure-2021-22

1	Dr.S.A.Takale	TOC	TE	03	LP-1	TE	8	2	11
2	Mr.S.A.Shinde	OOP UE	SE BE	03 03	OOP1	SE	10	2	16
3	Mr.P.M.Patil	ML MLA	TE BE	03 04	CL-VII	BE	10	2	17
4	Mr.S.S.Kare	DSA DAA	SE TE	03 03	DSFL	SE	12	2	18
5	Mr.A.J.Kokare	PBL DM OS	FE SE TE	03 03 03	DM OSL	SE TE	04 08	2	21
6	Mr.K.S.Bhagwat	LDCO STQA AUDIT	SE TE SE	03 03 01	LDCOL CL-VIII	SE BE	08 06	2	21
7	Mrs.K.M.Bhale	ICS	BE	03	DSFL LP-I CL-VII	SE TE BE	04 08 06	2	21
8	Mrs.K.A.Jadhav	AUDIT BCN HCI	TE SE TE	01 03 03	OOP1 HCIL	SE TE	06 08	2	21
9	Mrs.Y.N.Sakhare	AUDIT SDM	SE BE	01 03	OSL CL-VIII	TE BE	08 10	2	22
10	Mr.Anil Patil				Softskill	SE	08	-	08

Name of Department: Information Technology Academic Year : 2021-22Semester: II

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.A.Takale	AI	TE	03	LP-II	TE	08	2	11
2	Mr.P.M.Patil	DS&BDA	TE	03	DS&BDAL PBL	TE SE	08 08	2	19
3	Mr.S.S.Kare	CNS	TE	03	CNSL CL-IX	TE BE	10 04	2	17
4	Mr.K.S.Bhagwat	PA SMA	SE BE	03 03	PSDL CL-X	SE BE	08 04	2	18
5	Mrs.Y.N.Sakhare	SE DCS AUDIT	SE BE BE	03 03	CL-IX	BE	12	2	18
6	Ms.N.P.Shah	UC WAD	BE TE	03 03	CL-X LP-II	BE TE	04 08	2	18
7	Mrs.P.N.Kokare	DBMS	SE	03	DBMSL	SE	16	2	19
8	Mr. Ramdas Bagwade	CG	SE	03	CGL PBL	SE SE	08 08	2	19
9	Mrs. K.A. Jadhav/ Mr.B.S.Salve	IOT	BE	03	CNSL IOT	TE BE	06 08	2	17
10	Mrs. Supriya Ghadge	MIII	SE	03	MIII-Tut	SE	01		04

Name of Department : Computer Engineering Academic Year : 2021-22 Semester: I

Sr. No	Name of Teacher	Detailsof 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	DA	BE	03	LP-I) SEM-II	BE ME-II	04 04	Project=0 2	13
2	Dr. D. B. Hanchate	OOP AI & R	SE BE	03 03	OOPCGL	SE	06		12
3	Dr. C. S. Kulkarni	STQA DM	BE ME-II	03 05	LP-I LP-II	BE BE	04 04		18

Mandatory Disclosure-2021-22

					DS-I	ME-II	02		
4	Mrs. G. J. Chhajed	TOC	TE	03	SDL	TE	08		11
5	Mrs. S. S. Nandgaonkar	CN	TE	04	CNL	TE	08	Project=0 2	14
6	Mr. D. M. Padulkar	SDL DMW	TE BE	02 03	SDL DMW	TE BE	04 08		17
7	Mr. M. D. Shelar	DBMS FTS	TE ME-II	03 04	DBSL	TE	08		15
8	Mr. R. V. Panchal	CG	TE	03	OOPCGL SDL	SE TE	08 04		15
9	Mr. P. T. Raut	PPS	FE	08	PPSL	FE	08		16
10	Mr. P. M. Paithane	DELD IR	SE ME-II	03 04	DEL LP-II	SE BE	08 04		19
11	Mr. V. V. Rampurkar	FDS	SE	03	DSL	SE	08		11
12	Mr. S. K. Shah	DM DM-Tut	SE SE	03 01	DBSL	TE	08		12
13	Mr. M. B. Rangdal	ISEE HPC	TE BE	03 04	LP-I	BE	08	Project=0 2	17
14	Ms. P. D. Jawalkar	HSS SEPM	SE TE	01 03	DSL	SE	08	Project=0 2	14
15	Ms. N. N. Phalake	PPS	FE	04	PPSL	FE	10		14

Name of Department : Computer Engineering Academic Year : 2021-22 Semester: II

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	ML	BE	03	LP-II SEM DS-II	BE TE ME-II	04 01 02	Project=02	12
2	Dr. D. B. Hanchate	SE SC&OA	SE BE	03 03	LP-III	BE	04	Project=02	12
3	Dr. C. S. Kulkarni	CC	BE	03	LP-III LP-IV SEM	BE BE ME-II	04 04 01	Project=02	14
4	Mrs. G. J. Chhajed	SMD	TE	03	PBL-II	SE	08	Project=02	13
5	Mrs. S. S. Nandgaonkar	SPOS	TE	04	SPOSL	TE	08	Project=02	14
6	Mr. D. M. Padulkar	CP	BE	03	PBL-II LP-IV	SE BE	04 04	Project=02	13
7	Mr. M. D. Shelar	WT	TE	03	WTL	TE	08	Project=02	13
8	Mr. R. V. Panchal	PPL	SE	03	DSAL	SE	08	Project=02	13
9	Mr. P. T. Raut	PPS	FE	08	PPSL	FE	08		16
10	Mr. P. M. Paithane	MP	SE	03	MPL	SE	08	Project=02	13
11	Mr. V. V. Rampurkar	DSA	SE	03	DSAL SEM	SE TE	08 02	Project=02	15
12	Mr. S. K. Shah	DAA	TE	04	SPOSL	TE	08	Project=02	14
13	Mr. M. B. Rangdal	ICS	BE	03	LP_III	BE	08	Project=02	13
14	Ms. P. D. Jawalkar	ESIOT	TE	04	ESIOTL LP-IV	TE BE	08 04		16
15	Ms. N. Phalake	PPS	FE	04	PPSL	FE	10		14
16	Mr. S. N. Dhage	OOP	SE EN&TC	03	PBL-II OOPL	SE SE E&TC	04 06		13
17	Mr. S. S. Bhoite	OOP	SE EN&TC	03	OOPL	SE E&TC	06		09
18	Ms. P. A. Malave				DA Lab	SE E&TC	12		12

• **Internal Continuous Evaluation System and place**

We have continuous evaluation system to assess students 'performance like analysis of unit tests, preliminary examination, assignments and oral examinations. Students participate in different activities such as seminars; group discussion sessions, technical events, poster presentation, quizzes and coding programs. These

Mandatory Disclosure-2021-22

are conducted by respective course teachers. Report of these activities gives the data about learning outcomes achieved by students and the same is analyzed. 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.

Extra lectures are conducted for special guidance, Monitoring of students' performance, providing theory question banks, summary of units and multiple-choice questions.

- a) Students Feedback system on different subjects of their respective class for individual faculties at the end of each semester for each academic Year.
- b) Feedback by students during semester by Head of department
- c) Online exam for SE and In-sem exam for TE and BE students for 30 marks based on three units of syllabus.
- d) Two Class Tests and Preliminary test.
- e) Assignments on all units.
- f) Continuous evaluation of practical's in laboratory.
- g) Practical Mock test and remedial measures for defaulters.
- **Student's assessment of Faculty, System in place**

- a) The IQAC committee visits each department and takes feedback on the teaching and learning process at various departments in every semester. The suggestions for improvement if any are immediately given to the faculty and Head of Department. Feedback from students (in each semester), parents, alumni and staff are taken and analyzed to understand the learning outcomes.
- b) Student assessments can be a tricky task. Our collection of ideas and forms will make it easier for you to evaluate and grade your students' work, no matter their grade level. There are as many variations of assessment as there are students. Student assessments will help students to perform at their best levels during testing situations. Includes strategies such as having a positive attitude, managing their time, reviewing their answers, and many more helpful hints. Student Assessment is helpful meaningful performance assessments to measure student abilities and progress.
- c) IQAC monitors the following measures
- d) Checking of course file, theory and practical attendance and all other relevant academic documents on the regular basis.
- e) Students' feedback is taken and analysis is conveyed to staff for their improvement.
- f) Mentor is assigned for each group of students for their overall development.
- g) Faculty members are motivated to keep their knowledge and skills updated. They are also motivated to pursue their higher studies and research.
- h) The Institute has the academic monitoring system to monitor the quality of teaching-learning.
- i) Head of the Department monitors and maintains academic activities and correlates it with course plans, academic calendar and resources such as course file and class delivery.
- j) Each semester the Institute takes feedback from students about the teaching of each faculty and counseling is provided by higher authority for their improvement.
- k) Course file of individual faculty containing study material, assignments is evaluated by respective Heads of Departments
- l) 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.
- m) Institute evaluates the teaching-learning processes by comparing result with the University result, monitoring participation of students in curricular and co-curricular activities, quality of published papers, projects and number of students placed.

10.16 Enrollment and placement of students in the last 3 years

Sr. No.	NAME OF BRANCH	FOURTH YEAR ENROLLMENT			PLACEMENT		
		2021-22	2020-21	2019-20	2021-22	2020-21	2019-20
1	CIVIL	72	68	75	11	10	9
2	MECHANICAL	65	70	69	28	31	35
3	ELECTRICAL	70	70	75	22	17	16
4	E&TC	96	111	149	39	47	58
5	COMPUTER	68	74	79	51	57	57
6	I.T.	74	68	74	41	50	42
Total:		445	461	521	192(till date)	212	217

10.17.1 Number of projects carried out ,funding agency and grant received

Grant received in Academic Year 2020-21

Research Project Title	Department	Faculty Investigator	Project Duration	Funding Agency	Amount (Rs.)
Optimisation of location for the clean air equipment to maximise the benefits	Mechanical ENgg	A. H. Kolekar	2019-20	Cummins India Ltd. Pune	Rs. 3,90,000

Grant Received from AICTE Project: 2020-22

Research Project Title	Department	Faculty Investigator	Project Duration	Funding Agency	Amount (Rs.)
AICTE's PRERNA Scheme	All	Dr. Sachin M. Bhosle	2019-20	AICTE	Rs. 5,53,000

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

Mandatory Disclosure-2021-22

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 (Rs.)
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	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

Mandatory Disclosure-2021-22

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

• **Grant Received under BCUD Sponsored Research Projects: 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 Sponsored Research Projects: 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	Mr. Anil Disale	2012-14	BCUD, SPPU, Pune	90,000
Better Network Security Using Generalized Hill Cipher Algorithm	General Science	Mr. Anil Hiwarekar	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 Seminars & Workshops (Year 2019-20)**

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

- **Grant Received for Seminars & Workshops under BCUD, SPPU, Pune (Year 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 Seminars & Workshops under BCUD, SPPU,Pune (Year 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/-

Research Project Submitted to National Funding Agencies (Academic Year 2020-21)

Research Project Title	Department	Faculty Investigator	Duration (years)	Funding Agency	Amount (Rs.)
Analysis and design steel castellated beams: a cost-efficient approach for an industrial buildings	Civil	Dr. S. G. Morkhade & Mr. D. D. Ahiwale	3	AICTE	24,80,000
Behavior and Performance of Industrial Steel Frame Structure under Bi-directional Horizontal and Vertical Ground Motions	of Civil	Mr. D. D. Ahiwale, Dr. S. G. Morkhade, Mr. R. R. Khartode	3	AICTE	23,89,550
Analysis of uncertainties associated with Pan Evaporation in semi-arid areas.	Civil	Mr.U.T. Jagdale, Dr.C.B.Nayak	3	AICTE	18,08,000
Study on the efficacy of FRP band patterns as a rehabilitation stratagem for deteriorated RC structural elements	Civil	Dr. G. N. Narule & Mr. U. T. Jagdale	3	AICTE	21,87,500
Electric Transformer Health Monitoring and Remaining Life Estimation using Machine Learning	COMP	Mr. Digamber Padulkar, Dr.D.B.Hanchate, Mr. Prashant Raut	3	AICTE	18,37,500
IoT Assisted Performance Analysis of Vapour Compression Refrigeration System by making use of various Nanorefrigerants	Mechanical	Ms. Mona Yadav, Dr.P.R.Chitrgar, Mr. Machindra Gaikwad	3	AICTE	22,99,175
Application of Machine Learning in Prediction of Shear Capacity of Castellated Steel Beams	Civil	Dr. S. G. Morkhade	3	SERB	3971520
Unconventional Technology-Based SHM Using Smart Material and Artificial Intelligence	Civil	Dr. C. B. Nayak	3	SERB	2865000
Effect of Prestressing the FRP Composites on Strengthening Process of RC Structural Elements.	Civil	Dr. G. N. Narule	3	SERB	2650000
Quantification and Identification of Brain Diseases in CT scans using Artificial Intelligence.	E&Tc	Dr.V. J. Nagalkar	3	SERB	3411520
Development of Portable Milk Flow cum Analyzer Meter for Small Dairy Farms.	E&Tc	Dr.R.K.Shastri & Dr. S. M. Bhosle	3	RGSTC	2373600

Mandatory Disclosure-2021-22

Research Project Title	Department	Faculty Investigator	Duration (Years)	Funding Agency	Amount (Rs.)
A Vehicle to Vehicle (V2V) bidirectional conductive charging method for mitigating charging anxiety in long range electric vehicles	Electrical	Mr. Rohit Shankarrao Tarade	2	SPPU	173500
Design and implementation of wireless charging pads for Electric Vehicles (EVs)		Mr. D. S. Yeole			236000
DC-distribution applications by using single-phase bidirectional inverter with two buck/boost MPPTs		Mr. Nikhil C. Vaidya			276876
Experimental Investigation of Concentric Tubes Heat Exchanger for Viscous Fluid Application	Mechanical	Jadhav Keshav Madhukar			230000
Vibration Analysis of Circular Brake Disc of Al-SiCp composite		Suraj H. Kumbhar			250000
Manufacturing of Eco-friendly fired clay brick with agricultural waste.		Pravin Vijay Dhandore			250000
Development and Fabrication of Micro channel Mold , Heat Sink by Photochemical Machining		Hanumant Borate			245500
Experimental investigation and Failure analysis of Femoral bone implant		SHRINIVAS SHELGE			165000
IoT Assisted Performance Analysis of Vapour Compression Refrigeration System by using various Nanorefrigerants		Ms. Mona S. Yadav			280000
Real-time temperature monitoring of sand casting process for improving identification of in-process defects with the aid of Machine Learning		Vishal Bhagvat & Prashant Raut			123000
Implementation of smart materials for life estimation and structural health monitoring (SHM) of structure		Dr C B Nayak, Mr.U.T.Jagdale			255000
Thermal Energy Storage (TES) of concrete with nano-structured calcium aluminate cement and special aggregates	Umesh Jagadale & Dr C B Nayak	295000			

Mandatory Disclosure-2021-22

Experimental and Analytical Investigation to Study the Efficacy of Hibrid High Strength Castellated Steel Beams.	Civil	Dr. S.G.Morkhade			200000
Surface Water Quality Assessment of Nira River by using WQI and Arc-GIS		Snehal Deshmukh			300000
Embedded expansion brillouin sensor for monitoring corrosion of reinforcement in concrete structures.		Snehal Walke, Dr.C.B.Nayak, Mr.U.T.Jagdale			300000
Impact of Vertical Ground Motion on Long-span Steel Frame Structure embedded with Eccentric Braced Frame		Dhiraj Dipak Ahiwale			270000
Plant growth analysis and prediction using Deep learning	E&Tc	Shrikrishna Ulhas Kolhar			206000
SmartBook Reader for Visually Impaired Peoples using OCR and Raspberry Pi		Dr. Balasaheb H. Patil			220000
Development of Deep Learning Framework for Automatic Liver and Tumor Segmentation in Computed Tomography Images		Devidas T. Kushnure			194000
Quantification and Identification of Huntington Disease Using Digital Image Processing		Dr. Vinay J. Nagalkar			195000
Grapes disease detection and micronutrients suggestions using CNN in deep learning.	COMP	Mr. Digambar Padulkar			186000
Image segmentation of pancreas using deep learning approach		Pradip Paithane			168000
A novel appraoch towards text detection from complex images using morphological techniques		Mr.V.V. Rampurkar, Mr.M.D.Shelar			185000

Research Project submitted to National Funding agency(Academic year 2021-22)

Research Project Title	Department	Faculty Investigator	Duration	Funding Agency	Amount (Rs.)
SPICES	Mechanical	H.P.Borate, Dr.V.B.Gawande	1 year	AICTE	100000
SERB-TARE	Civil Engg.	Dr.S.G.Morkhade	3 years	SERB-DST	900000

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 Compositated 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

Mandatory Disclosure-2021-22

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

10.17.2 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)**

Mandatory Disclosure-2021-22

Sr, No,	Title of Paper	Name of Author	Name of journal/conferences	Name of Publisher	depart ment	Year of Public ation
1	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
2	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, 2021	SCOPUS	Mechanical Engineering	2021
3	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
4	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
5	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
6	Combustion characteristics of biomethane-	Machindra S Gaikwad, Keshav M	Biofuels 12 (4), 369-379		Mechanical	2021

Mandatory Disclosure-2021-22

	diesel dual-fueled CI engine with exhaust gas recirculation	Jadhav, Avinash H Kolekar, Parashuram R Chitragar			Engineer ring	
7	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
8	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
9	Quantification study for roof truss subjected to near-fault ground motions	Dhiraj Ahiwale, Prajka 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 Publication	Civil Engg	2021
10	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 Publication	Civil Engg	2021
11	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 Publication	Civil Engg	2021
12	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

Mandatory Disclosure-2021-22

13	Effect of SiO ₂ 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	<u>Iranian Journal of Science and Technology Transactions of Civil Engineering, ISSN:2364-1819</u>	SCI/Scopus	Civil Engg	2021
14	LINEAR TRANSIENT DYNAMIC ANALYSIS OF PLATES WITH AND WITHOUT CUT OUT	Chittaranjan Nayak, Suraj N. Khante	<u>ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING</u>	SCI/Scopus	Civil Engg	2021
15	A STATE-OF-THE-ART REVIEW OF VERTICAL GROUND MOTION (VGM) CHARACTERISTICS EFFECTS AND PROVISIONS	Chittaranjan Nayak	<u>Innovative Infrastructure Solutions</u>	Scopus	Civil Engg	2021
16	A Parametric Analysis of Adjacent Elevated Service Reservoir with Structural Coupling at Various Locations	Chittaranjan Nayak S. U. Sayyad Rushikesh Khartode Umesh Jagadale, S G Morkhade	<u>Seismic Hazards and Risk</u>	Scopus	Civil Engg	2021
17	Optimization of sustainable high-strength-high-volume fly ash concrete with and without steel fiber using Taguchi method and multi-regression analysis	Chittaranjan Nayak Gunavant Kate Sunil Bhimrao THAKARE	<u>Innovative Infrastructure Solutions</u>	Scopus	Civil Engg	2021

Mandatory Disclosure-2021-22

18	Structural and cracking behaviour of RC T-beams strengthened with BFRP sheets by experimental and analytical investigation	Chittaranjan Nayak Giridhar Narule	<u>Innovative Infrastructure Solutions</u>	Scopus	Civil Engg	2021
19	Experimental analytical and numerical performance of RC beams with V-shaped reinforcement	Chittaranjan Nayak Gunavant Kate Samadhan Morkhade Umesh Jagadale, Keshav Jadhav	<u>Innovative Infrastructure Solutions</u>	Scopus	Civil Engg	2021
20	To Study of Seismic Response of Irregular Shaped Columns using Pushover Analysis	Kamble A., Narule,G.N.,Kh artode, R.,	<u>GIS Science Journal,Vol.-8,Issue-07,PP.1516-1526. ISSN NO : 1869-9391</u>	UGC Approved	Civil Engg	2021
21	Structural response of storied building for orientation of shear wall	P. Bhosale, G. Narule	<u>. GIS Science Journal,Vol. -8,Issue-05,ISSN NO : 1869-9391.</u>	UGC Approved	Civil Engg	2021
22	Structural performance of relief shelf in cantilever retaining wall	S. Lonkar, G. Narule	<u>Journal of Engineering, Computing and Architecture. May, 2021, Vol-11 Issue-05, ISSN: 1934-7197</u>	UGC Approved	Civil Engg	2021
23	Structural and cracking behaviour of RC T-beams strengthened with FRP sheets by experimental and analytical investigation	C. Nayak, G. Narule, H. Surwase	<u>Journal of King Saud University – Engineering Sciences January, 2021, ISSN: 1018-3639</u>	Scopus	Civil Engg	2021
24	“Review on Heart Disease Diagnosis	Ms. Bhandare Trupti V	<u>. International Journal of Next-Generation Computing - Special</u>	Web of Science Indexing,	Computer	2021

Mandatory Disclosure-2021-22

	Using Deep Learning Methods”		<u>Issue, Vol. 12, No. 2, April 2021. (Web of Science Indexing Journal)</u>	Google Scholar, UGC Care	Engineering	
25	Weighted Clustering for Deep Learning Approach in Heart Disease Diagnosis	Ms. Bhandare Trupti V	<u>International Journal of Advanced Computer Science and Applications (IJACSA), 12(9), 2021. http://dx.doi.org/10.14569/IJACSA.2021.0120944</u>	Scopus (Elsevier), Web of Science, Inspec (IET), Norwegian Register for Scientific Journals, Series and , Publishers (NSD), Julkaisufoorumi Publication Forum (Federation of Finnish Learned Societies), Genamics JournalSeek, Semantic Scholar, EBSCOhost, Ex Libris, Microsoft Academic Search, WorldCat, CNKI	Computer Engineering	2021
26	A Query-based travel Route Recommendation using Location based Social Networks	Ms. Sonali Parab Dr. Santaji Krisjna Shinde Manoj D. Shelar	<u>International Journal of Advanced Science and Technology, 9952-9964, 2005-4238</u>	Scopus, EBSCO ProQuest	Computer Engineering	2021
27	Novel approach to data hiding in binary images minimizing distortion	Mrs. G.J. Chhajed, Bindu Garg	<u>International Conference On Computational Vision and Bio Inspired Computing (ICCVBIC 2020), ISBN:978-981-33-6861-3(Chapter)</u>	Springer Nature	Computer Engineering	2021
28	Users Truthfulness Identification & Cryptography in Data Market	Dr.C.S.Kulkarni	<u>Test Engineering and Mangement, ISSN: 2005-4238</u>	Scopus, Google Scholar, Reserachgate	Computer Engineering	2021

Mandatory Disclosure-2021-22

29	User's Truthfulness Identification in Data Market	Dr.C.S.Kulkarni	<u>Test Engineering and Mangement,ISSN 2347 - 5161</u>	Google Scholar, Reserachgate	Computer Engineering	2021
30	Truthfulness and Privacy Preservation Using Blockchain Technology	Dr.C.S.Kulkarni	<u>Test Engineering and Mangement,0193-4120</u>	Scopus, Google Scholar, Reserachgate	Computer Engineering	2021
31	To Predict and Analysis of Diabetics using Machine Learning Algorithms	Dr.C.S.Kulkarni	<u>Test Engineering and Mangement, 0193-4120</u>	Scopus, Google Scholar, Reserachgate	Computer Engineering	2021
32	Detection of Code Smells and Reusability of Code Clones Using Nesting Structure	Dr.C.S.Kulkarni	<u>Test Engineering and Mangement, 0193-4120</u>	Scopus, Google Scholar, Reserachgate	Computer Engineering	2021
33	Usage of ICT in Modern Education System: A Literature Review	Dr.C.S.Kulkarni	<u>Test Engineering and Mangement, 0193-41200193-4120</u>	Scopus, Google Scholar, Reserachgate	Computer Engineering	2021
34	A review on combine issues and challenges of underwater networks:UWSN and UASN	Dr. B. H. PATIL	<u>4th Edition of International conference on Communication and Cyber- Physical Engineering(ICCCE-2021) at G. H. Raison College of Engineering and Management, Pune</u>	Scopus, UGC	E&TC Engineering	2021
35	Smartbook reader for visually impaired peoples using OCR and Raspberry Pi	Dr. B. H. PATIL	<u>4th Edition of International conference on Communication and Cyber- Physical Engineering(ICCCE-2021) at G. H. Raison College of Engineering and Management, Pune</u>	Scopus, UGC	E&TC Engineering	2021

Mandatory Disclosure-2021-22

36	Error Detection in Fault-Tolerant Reversible Circuit using Fredkin Gates	P. K. KADBE	<u>4th Edition of International conference on Communication and Cyber- Physical Engineering(ICCCE-2021) at G. H. Raison College of Engineering and Management, Pune</u>	Scopus	E&TC Engineering	2021
37	A review on combine issues and challenges of underwater networks:UWSN and UASN	P. K. KADBE	<u>4th Edition of International conference on Communication and Cyber- Physical Engineering(ICCCE-2021) at G. H. Raison College of Engineering and Management, Pune</u>	UGC Care	E&TC Engineering	2021
38	Smartbook reader for visually impaired peoples using OCR and Raspberry Pi	P. K. KADBE	<u>4th Edition of International conference on Communication and Cyber- Physical Engineering(ICCCE-2021) at G. H. Raison College of Engineering and Management, Pune</u>	UGC Care	E&TC Engineering	2021
39	MS-UNet: A multi-scale UNet with feature recalibration approach for automatic liver and tumor segmentation in CT images	D. T. KUSHNURE	<u>Computerized Medical Imaging and Graphics Volume 89, April 2021, 101885 ISSN: 0895-6111 https://doi.org/10.1016/j.compmedimag.2021.101885</u>	SCIE, Scopus	E&TC Engineering	2021
40	DMSAN: Deep Multi-Scale Attention Network for Automatic Liver Segmentation from Abdomen CT Images	D. T. KUSHNURE	<u>Medical Imaging and Health Informatics Wiley and Scrivener Publishing Book (Book Chapter Accepted, Estimated Publication July2021)</u>	Scopus /Web of Science	E&TC Engineering	2021
41	M2UNet++ A Modified Multi-Scale UNet++ Architecture for Automatic Liver Segmentation in Computed	D. T. KUSHNURE	<u>Handbook of Research on Applied Intelligence for Health and Clinical Informatics (Book Chapter Accepted, Book Release Date: November, 2021) ISBN13:</u>	Scopus /Web of Science	E&TC Engineering	2021

Mandatory Disclosure-2021-22

	Tomography Images		<u>9781799877097</u> <u>ISBN10:</u> <u>1799877094EISBN13:</u> <u>9781799877103 DOI:</u> <u>10.4018/978-1-7998-7709-7</u>			
42	Spatio-temporal deep neural networks for accession classification of Arabidopsis plants using image sequences	S. U. KOLHAR	<u>Ecological Informatics, 101334</u>	SCIE, Impact Factor: 3.142	E&TC Engineering	2021
43	Plant Trait Estimation and Classification Studies in Plant Phenotyping Using Machine Vision-A Review	S. U. KOLHAR	<u>Information Processing in Agriculture</u>	SCOPUS, Cite score: 9.9, SNIP: 3.184	E&TC Engineering	2021
44	Bibliometric Review on Image Based Plant Phenotyping	S. U. KOLHAR	<u>Library Philosophy and Practice (e-Journal), 5065.</u>	SCOPUS	E&TC Engineering	2021
45	Smart Monitoring and Controlling of Agriculture System	R. S. PISKE	<u>International Research Journal of Modernization in Engineering Technology</u>	Volume:03/Issue:05/May-2021	E&TC Engineering	2021
46	Grading and sorting technique of dragon fruits using machine learning algorithms	Dr. V. J. NAGALKAR	<u>Elsevier journal of Agriculture and food research</u>	Volume 4, June 2021, 100118	E&TC Engineering	2021
47	Distributed Resource Allocation Model for 5G got published in PENSEE international Journal	Dr. V. J. NAGALKAR	<u>PENSEE international Journal</u>	VOLUME 501343 ISSU 12	E&TC Engineering	2021

Mandatory Disclosure-2021-22

48	A review on combine issues and challenges of underwater networks:UWSN and UASN	A. W. BHAGAT	<u>4th Edition of International conference on Communication and Cyber- Physical Engineering(ICCCE-2021) at G. H. Raison College of Engineering and Management, Pune</u>	UGC Care	E&TC Engineering	2021
49	Smartbook reader for visually impaired peoples using OCR and Raspberry Pi	A. W. BHAGAT	<u>4th Edition of International conference on Communication and Cyber- Physical Engineering(ICCCE-2021) at G. H. Raison College of Engineering and Management, Pune</u>	UGC Care	E&TC Engineering	2021
50	Grading and sorting technique of dragon fruits using machine learning algorithms	S. B. NIKAM	<u>Elsevier journal of Agriculture and food research</u>	Elsevier	E&TC Engineering	2021
51	Distributed Resource Allocation Model for 5G got published in PENSEE international Journal	S. B. NIKAM	<u>PENSEE international Journal</u>	Scopus	E&TC Engineering	2021
52	Automatic Auscultation using Visual Dot Pattern	Mrs. Monali U. More	<u>Seybold, Report Journal, Volume 15, Issue 9, SBR/0920- 251</u>	Google Scholar	E&TC Engineering	2021
53	Electrcial Vehicle power train modelling and Optimization	Mr. Shridhar Rakhonde, Mr. Vinay Pawar	<u>Springer Conference - ICSTEESD, Nagpur 2020</u>	--	Electrical Engineering	2021
54	Transmission Congestion Management in Restructured	Mr. Dipak S. YeoleMr. Pavan D. Upadhye Mr. Rohit S. Tarade	<u>Samriddhi-JPSET Volume 12, Issue 2, 2020.</u>	UGC	Electrical Engineering	2021

Mandatory Disclosure-2021-22

	Power System using Fuzzy Method					
55	New Method for Cryptography using Laplace-Elzaki Transform	Jadhav Shaila S., Hiwarekar A. P.	<u>Psychology and education (2021) 58(5), pp 1-6. ISSN 1553 - 6939. Impact Factor: 0.2</u>	Scopus	General Science	2021
56	Empowering Strategies for Learners to Improve English Communication and Soft Skills	Mr. Anil B Patil	<u>Scopus Indexed Journal</u>	Scopus	General Science	2021
57	Triple Laplace transforms and its properties	Hiwarekar A. P.	<u>Advances and Applications in Mathematical Sciences (2021), Vol.20, Issue 11, pp 2843-2851,(ISSN 0974-6803)</u>	Web of Science, UGC Care	General Science	2021
58	Cryptographic method based on Laplace-Elzaki transform	Jadhav Shaila S., Hiwarekar A. P.	<u>Journal of the Maharaja Sayajirao University of Baroda, Volume-55, No. 1(VIII) (2021), pp 187-191. ISSN :0025-0422</u>	UGC care	General Science	2021
59	Synthesis of PbS Thin Film by Chemical Bath deposition Method and its Structural Optical Studies	B. S. Maharnavar, M. G. Bagal, Nitin A. Jadhav, A. R. Pardeshi and P C Pingle	<u>Journal of Emerging Technologies and Innovative Research Volume 8 Issue 3 March-2021 eISSN: 2349-5162</u>	UGC Care	General Sciences	2021
60	Parametric Study of Dome With and Without Opening	Nayak, C.B., Jain, M.A. & Walke, S.B	<u>J. Inst. Eng. India Ser. A, In Press.</u>		Civil	2020
61	ural behaviour of castellated steel beams with reinforced web openings.	Morkhade, S.G., Lokhande, R.S., Gund, U.D., Divate, A.B., Deosarkar, S.	<u>Asian J Civ Eng</u>		Civil	2020

Mandatory Disclosure-2021-22

		V., Chavan, M.U.				
62	Evaluation Seismic Response for Soft Storey Building Retrofitted with Infill, Steel Bracing and Shear Wall,	Dhiraj D. Ahiwale, Rushikesh R. Khartode,	<u>Journal of Structural Technology,</u>		Civil	2020
63	Study of Fly Ash, Rice Husk Ash and Marble Powder as Partial Replacement to Cement in Concrete,	Dhiraj Ahiwale, Rushikesh Khartode,	<u>International Journal of Chem Tech Research</u>		Civil	2020
64	Seismic Response for RC Frames on Sloping Ground using Pushover Analysis,	Dhiraj Dipak Ahiwale, Rushikesh R. Khartode, Kaustubh V. Raut	<u>Journal of Structural Engineering and Management,</u>		Civil	2020
65	Experimental study on flexural behaviour of light steel hollow flange beam with various stiffening arrangements.	Raut K.V., Morkhade, S.G., Khartode, R.R., Ahiwale D.D	<u>Innov. Infrastructure. Solut.</u>		Civil	2020
66	Experimental and Numerical Investigation on Compressive and Flexural Behaviour Structural Tubular Beams Strengthening with AFRP Composites.,	C. B. Nayak ,	<u>Journal of King Saud University - Engineering Sciences,</u>		Civil	2020
67	An experimental based python	Umesh T. Jagadale,	<u>Innovative Infrastructure Solutions-Springer,</u>	Springer,	Civil	2020

Mandatory Disclosure-2021-22

	programming for structural health monitoring of non engineered RC frame	Chittaranjan B. Nayak, Asmita Mankar, Sunil B. Thakare, Wasudeo N. Deulkar,				
68						
69	Performance and emission characteristics of biomethane-diesel dual-fuelled CI engine in the presence of exhaust gas recirculation,	M. S. Gaikwad, A. H. Kolekar, K. M. Jadhav, M. S. Yadav, and P. R. Chitragar,	<u>International Journal of Ambient Energy</u>		Mechanical	2020
70	CFD Analysis of Wind Turbine with Different Flange Angles. In: Voruganti H., Kumar K., Krishna P., Jin X. (eds) Advances in Applied Mechanical Engineering.	S. M. Bichitkar, P. P. Buddiyal, S. S. Chavan, A. A. Kulkarni, V. B. Gawande,	<u>Lecture Notes in Mechanical Engineering. Springer</u>	Springer	Mechanical	2020
71						
72	A Review on Circuits Implemented using Reversible Logic	Premanand K. Kadbe , Manisha G. Waje,	<u>journal of Seybold Report,</u>		ENTC	2020
73	Quality Improvements of Camera Captured Pictures using Blind and Non-blind Deconvolution Algorithms"	Pallavi U. Patil, Sudhir B. Lande, Vinay J. Nagalkar, Sonal B. Nikam,	<u>International Journal of Recent Technology and Engineering</u>		ENTC	2020

Mandatory Disclosure-2021-22

74	A Comprehensive Review on State-of-the-Art Image Inpainting Techniques.	Balasaheb Patil, & P.M., Patil.	<u>Scalable Computing: Practice and Experience.</u>		ENTC	2020
75	Hybrid Image Inpainting Model using Optimized DWT and Reproducing Kernall Hilbert Spacefor Removal of Damaged Portions of Old Images	Balasaheb Patil			ENTC	2020
76	Development of Environment Monitoring and Controlling System in Greenhouse Using IoT,	Rutuja Jagdale, Tejaswini Bagal, Sonal Nikam , Deepika Kore,	<u>International Journal of Research in Engineering, Science and Management</u>		ENTC	2020
77	An IoT Cloud Based ECG Monitoring System,	Vaishnavi Pisal, Ashwini Tarate, Shrutika Shinde, Sonal Nikam , Deepika Kore	<u>International Journal of Research in Engineering, Science and Management</u>		ENTC	2020
78	Predicting Temperature of the Computer System Using Machine Learning	Shubham Temkar, Chetan Bora, Rohit Piske ,	<u>International Journal of Research in Engineering, Science and Management,</u>		ENTC	2020
79	Evaluation of Filtering Methods for Extraction of Dolphin Signals	Rajveer Shastri, Arnab Das,	<u>Journal of Critical Reviews</u>		ENTC	2020
80	Battery Life Improvement Technique for Electric Vehicle	Utkarsha Fulari, Sudhir B. Lande , Lokesh K. Bramhane,			ENTC	2020

Mandatory Disclosure-2021-22

		Manisha Lande,				
81	Review on UWB Antenna Design with Band Stop Function by Implementing Parasitic Patch Method ICTACT	Sudhir B. Lande, Shashank Biradar, Sudhir M. Kharad, C.K. Thadani and Pallavi B. Pawar	<u>JOURNAL ON MICROELECTRONIC S</u>		ENTC	2020
82	A Novel Hybrid Framework for Cuff-Less Blood Pressure Estimation based On Vital Bio Signals processing using Machine Learning,	Santosh Shinde	<u>IJATCSE</u>		IT	2020
83	Nutrient Content Estimation in Agricultural Automation	Keshav Bhagwat	<u>IJRSEM</u>		IT	2020
84	Implementation of DTC Controlled PMSM driven by a matrix converter.,	N.B. Wagh	<u>International Journal of Recent Technology and Engineering(IJRTE)</u>		Electric al	2020
85	Design of MCC Control Panel Using Electrical Autocad	Nikhil Vaidya	<u>The International journal of analytical and experimental modal</u>		Electric al	2020
86	Extension of prefunctions and its relation with Mittag-Leffler function	A. P. Hiwarekar	<u>The Journal of Analysis</u>		General Science s	2020
87	Stugying Salman Rushdie as a Postmodern Writer The	A. B. Patil,	<u>Bookshelves to Classroom</u>		General Science s	2020

Mandatory Disclosure-2021-22

	Literary Kaleidoscope					
88	Identity Crisis in Salman Rushdie's Selected Novels	A. B. Patil	<u>Literature of Protest</u>		General Sciences	2020
89	Postmodernism and Postmodern Literature: Analysis and Critical Interpretations	A. B. Patil	<u>An International Multidisciplinary Quarterly Research Journal</u>		General Sciences	2020
90	Quantification and Identification of Ischemic Stroke Using SVM	Vinay J. Nagalkar, G. G. Sarate	<u>International Journal of Research and Analytical Reviews</u>		ENTC	2019
91	Brain Tumor Detection Using Support Vector Machine	Vinay J. Nagalkar, G. G. Sarate	<u>International Research Journal of Engineering and Technology</u>		ENTC	2019
92	Blockchain technology in agriculture & food supply chain	Suhir B. Lande, Chaitrali M. Sargar, C. K. Thadhani	published in <u>International journal of Research and analytical review</u>		ENTC	2019
93	Statistical characterization of an underwater channel in a tropical shallow freshwater lake system,	Jyoti Sadalage, Rashmi Sharma, Arnab Das, Yashwant Joshi	<u>Advances in Intelligent Systems and Computing, Springer book series,</u>		ENTC	2019
94	A computationally-efficient model for determining sound speed in shallow tropical freshwater systems, with field validation	Jyoti Sadalage, Rashmi Sharma, Arnab Das, Yashwant Joshi	<u>Journal of Lake and Reservoirs Research and Management, Wiley Publication</u>	Wiley Publication	ENTC	2019

Mandatory Disclosure-2021-22

95	Validation of model-based techniques for characterization of surface sediment at Khadakwasala Lake with field data,	Jyoti Sadalage, Rashmi Sharma, Arnab Das, Yashwant Joshi,	<u>Indian Journal of Geophysical Union,</u>		ENTC	2019
96	Smart ECG Monitoring Wireless System	Santosh Chede, Vyenktesh Girhepunje	<u>International Journal of Engineering and Advanced Technology</u>		ENTC	2019
97	Hybrid image inpainting using reproducing kernel Hilbert space and dragonfly inspired wavelet transform	Balasaheb H. Patil and P. M. Patil	<u>International Journal of Nano and Biomaterials</u>		ENTC	2019
98	Parametric Study of Inset microstrip line fed Square Microstrip Patch Antenna for 10GHz Application	Madan Jadhav	<u>International Journal of Research and Analytical Reviews</u>		ENTC	2019
99	Next Generation Logic Gate Designs using Improved Polarity Control Bipolar Junction Transistor	Lokesh Kumar Bramhane, Santosh D. Chede, Premanand K. Kadbe, Balasaheb Patil, Sudhir B. Lande	<u>International Journal of Recent Technology and Engineering</u>		ENTC	2019
100	Dual Dielectrically Modulated Electrostatically Doped Tunnel-FET for Biosensing Applications	Lokesh Kumar Bramhane, P.K. Kadbe, B.H. Patil, S.D. Chede and S.B. Lande	<u>International Journal on Emerging Technologies</u>		ENTC	2019
101	Diabetic Retinopathy, an	G. J. Chhajed	<u>IJRASET</u>		Comp	2019

Mandatory Disclosure-2021-22

	Eye Disease Prediction System: Survey					
102	Diabetic Retinopathy, An Eye Disease Prediction System using Convolutional Neural Network	G. J. Chhajed	<u>IJRASET</u>		Comp	2019
103	Medicine Manufacturing Supply Chain Management System Using Blockchain	G. J. Chhajed	<u>IJARCCCE</u>		Comp	2019
104	Binary Image Steganography using Flipping Distortion Technique	G. J. Chhajed	<u>IJRASET</u>		Comp	2019
105	Behaviour of Castellated Steel Beam: State of the Art Review,	Morkhade S. G., Gupta L. M	<u>Electronic Journal of Structural Engg</u>		Civil	2019
106	Seismic performance of existing water tank after condition ranking using non destructive testing,	C. B. Nayak, S.B.Thakare	<u>International J.of Advanced Structural Engg</u>		Civil	2019
107	Comparative study of effect of web openings on the strength capacities of steel beam with trapezoidally corrugated web,	Morkhade S. G., Swami M. Baswaraj, Chitranjan B. Nayak,	<u>Asian Journal of Civil Engg.</u>		Civil	2019
108	Ultimate load behaviour of steel beams	Morkhade S. G., Gupta L. M.,	<u>Australian Journal of Structural Engg</u>		Civil	2019

Mandatory Disclosure-2021-22

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

Mandatory Disclosure-2021-22

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

Mandatory Disclosure-2021-22

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

Mandatory Disclosure-2021-22

127	A comparative analysis of thermo-hydraulic performance of a roughened solar air heater using various rib shapes	V.B. Gawande, A. S. Dhoble, D. B. Zodpe, C Mangrulkar,	<u>Australian Journal of Mechanical Engineering,</u>		Mech	2018
128	Effect of hydrogen addition on combustion and emissions performance of a high speed spark ignited engine at idle condition.	K. V. Shivaprasad, P. R. Chitragar, G. N. Kumar,	<u>Thermal Science</u>		Mech	2018
129	Combustion characteristics of biomethane–dieseldual-fueled CI engine with exhaust gasrecirculation	M. S. Gaikwad, K. M. Jadhav, A. H. Kolekar, P. R. Chitragar,	<u>Biofuels,</u>		Mech	2018
130	Nighttime Vehicle Detection System Using Bio-Inspired Image Enhancement	G. J. Chhajed	<u>JNIC</u>		Comp	2018
131	Convloutional Neural Network To Automatic Quality Assessment Of Echocardiograph In Apical Four Chamber	G. J. Chhajed	<u>IJREAM</u>		Comp	2018
132	Development of Unsupervised Method for Product Aspect Rating Using Customer Reviews	G. J. Chhajed	<u>IJREAM</u>		Comp	2018

Mandatory Disclosure-2021-22

133	FPAAs Based Design of Assistive Listening Device for Hearing Disorders People,	Dr. Sudhir B. Lande, Suresh S. Balpande	<u>Helix</u>		ENTC	2018
134	SIMULATION AND ANALYSIS OF TEMPERATURE EFFECT ON 7 nm n-MOSFET Open Access	Gayatri Gaikwad, Milan Sasmal, Sudhir Lande	<u>International Journal of Science & Engineering</u>		ENTC	2018
135	Analysis of Received Signal Strength in Wireless Network of Fireword V Robot	Snehal Kokare, Rajveer Shastri, Shrikrashna Kolhar	<u>International Journal of Advance Robotics & Expert Systems</u>		ENTC	2018
136	Crow search algorithm with Discrete Wavelet Transform to aid Mumford Shah inpainting model Evolutionary Intelligence	Balasaheb H. Patil and P. M. Patil			ENTC	2018
137	Object Removal using Improved Exemplar based method in Image Inpainting	Balasaheb H. Patil and P. M. Patil	<u>International Journal of Science and Technology</u>		ENTC	2018
138	Performance Comparison of PID Controller and Fuzzy Logic Controller for Speed Control of DC Motors	K. Jakkani, Govind Devsut,	<u>Journal of Applied Science and Computations</u>		Elect	2018

Mandatory Disclosure-2021-22

139	A Novel Three Phase Voltage Source Converter Fed PMSM Drive	N. B. Wagh,	<u>IAETSD JOURNAL FOR ADVANCED RESEARCH IN APPLIED SCIENCES.</u>		Elect	2018
140	Concept and Implementation of Self-Parking Chair	N. B. Wagh	<u>International Journal of Scientific Research in Science, Engineering and Technology</u>		Elect	2018
141	Intelligent health risk prediction systems using machine learning a review	Mr Santosh A. Shinde, Dr P. Raja Rajeswari	<u>International Journal of Engineering & Technology</u>		IT	2018
142	Axial behavior of CFRP wrapped RC columns of different shapes with constant lenderness ratio,	Narule, G. N. and Bambole, A. N	<u>Structural Engineering and Mechanics.</u>		Civil	2018
143	Comparative study of ultimate load for castellated and plain-webbed beams	Samadhan G. Morkhade, Subhan Shaikh, Ajay Kumbhar, Abdulaziz Shaikh, Rushikesh Tiwari,	<u>International Journal of Civil Engineering and Technology</u>		Civil	2018
144	Studies on polarization effect of polyethylene-based polymer electrolyte in dye and quantum dot sensitized solar cells,	Karan Surana Nitin A. Jadhav Pramod K. Singh B. Bhattacharya	<u>Applied Nanoscience</u>		General Science	2018
145	PL and ESR Study on UVB-Emitting Gadolinium-Doped BaMgAl10O17 Hexagonal	Vijay Singh, N. Singh, M.S. Pathak, V. Natarajan, and Nitin A. Jadhav,	<u>Journal of ELECTRONIC MATERIALS.</u>		General Science	2018

Mandatory Disclosure-2021-22

	Phase Obtained by Combustion Synthesis,					
146	Effect of Nd ³⁺ Doping on Structural and Magnetic Properties of Ni _{0.5} Co _{0.5} Fe ₂ O ₄ Nanocrystalline Ferrites Synthesized by Sol-gel Auto Combustion Route	M.K. Kokare, Nitin A. Jadhav, Yogesh Kumar, K.M. Jadhav, S.M. Rathod	<u>Journal of alloys and compounds,</u>		General Science	2018
147	Photosensor properties of spray deposited CdS thin films,	Nitin T Shelke , S. C. Karle, B R Karche,	<u>International Journal of Multifaceted and Multilingual Studies</u>		General Science	2018
148	Synthesis, Characterization and Optical Properties of AgIn ₂ Se ₄ Thin Films by Electrodeposition technique	Y.M.Chitare, H.R.Kulkarni, A.S.Disale	<u>International Journal of Multifaceted and Multilingual Studies</u>		General Science	2018
149	Interpreting Salman Rushdie as a Postmodern Writer, Asian Quarterly	A. B. Patil,	<u>An International Journal of Contemporary</u>		General Science	2018

10.17.3 Consultancy (Academic year-2021-22)

Company Name	Company Sector	Incorporation Status	Type of Consultancy /Service	Title of Consultancy /Service	Faculty First Name	Discipline	Fee Received From Industry
Baramati Municipal Council	Others	Government	Consultancy & Advisory Service	Structural Conditional Assessment Audit	Dr.G.N. Narule	Civil Engg.	60000
Akshay Enterprises	Construction	Private	Consultancy & Advisory Service	Test on Paver blocks	Dr.G.N. Narule	Civil Engg.	1500
Yograj Chemicals Pvt. Ltd.	Construction	Private	Consultancy & Advisory Service	Contour survey	Dr.G.N. Narule	Civil Engg.	6000

Mandatory Disclosure-2021-22

Yograj Chemicals Pvt. Ltd.	Construction	Private	Consultancy & Advisory Service	Standard Penetration test	Dr.G.N. Narule	Civil Engg.	4000
Yograj Chemicals Pvt. Ltd.	Construction	Private	Consultancy & Advisory Service	Test on Core rock samples	Dr.G.N. Narule	Civil Engg.	1350
Yograj Chemicals Pvt. Ltd.	Construction	Private	Consultancy & Advisory Service	Geotechnical Investigation	Dr.G.N. Narule	Civil Engg.	12000
Modulex Pvt. Ltd.	Construction	Private	Consultancy & Advisory Service	Extraction of Concrete Cores	Dr.C.B. .Nayak	Civil Engg.	6000
Jaykumar Shinde Associates	Construction	Private	Consultancy & Advisory Service	Concrete Core Testing	Dr.G.N. Narule	Civil Engg.	6000
Yash Electro Lline Pvt. Ltd.	Construction	Private	Consultancy & Advisory Service	Steel Testing	Mr.U.T. Jagdale	Civil Engg.	1500
Jaykumar Shinde Associates	Construction	Private	Consultancy & Advisory Service	Concrete Core Testing	Dr.G.N. Narule	Civil Engg.	7000
Muktai Constructions Pvt. Ltd.	Construction	Private	Consultancy & Advisory Service	Road levelling	Mr. Sachin Jarande	Civil Engg.	1000
Uttam Ram Dhotre Const. Pvt.	Construction	Private	Consultancy & Advisory Service	Concrete Cube Testing	Mr.U.T. Jagdale	Civil Engg.	1200
Uttam Ram Dhotre Const. Pvt. Ltd.	Construction	Private	Consultancy & Advisory Service	Trap Soling stone Testing	Mr. D.D. Ahiwale	Civil Engg.	1400
Muktai Constructions Pvt. Ltd.	Construction	Private	Consultancy & Advisory Service	Road levelling	Mr. Sachin Jarande	Civil Engg.	2500
Yash Electro Lline Pvt. Ltd.	Construction	Private	Consultancy & Advisory Service	Steel Testing	Dr. S. G. Morkhad e	Civil Engg.	1500
Baramati Muncipal Corporation, Baramati	Others	Govern body	Consultancy & Advisory Service	Water Audit	Dr.G.N. Narule	Civil Engg.	33000

Mandatory Disclosure-2021-22

Baramati Muncipal Corporation, Baramati	Others	Government	Consultancy & Advisory Service	Energy Audit	Mr. Hafiz M.Shaih	Electrical Engg.	33000
M/s. Suryawanshi Engg. & Contractors	Construction	Private	Consultancy & Advisory Service	Corrosion Test on steel	Dr. Nitin Jadhav	First year Engg.	1500
M/s. Suryawanshi Engg. & Contractors	Construction	Private	Consultancy & Advisory Service	Steel Testing	Dr.S G. Morkhade	Civil Engg.	3900
Feedback Infra Pvt. Ltd.	Construction	Private	Consultancy & Advisory Service	Testing of drinking water	Dr C.B. Nayak	Civil Engg.	5700
Baramati Muncipal Corporation, Baramati	Others	Government	Consultancy & Advisory Service	Design of Calibrated Scales	Dr. S. M. Bhosale	Mech. Engg.	14300
Amity Constructions Pvt. Ltd.	Construction	Private	Consultancy & Advisory Service	Mix Design of concrete	Mr.R.R. Khartode	Civil Engg.	10000
Baramati Muncipal Corporation, Baramati	Others	Government	Consultancy & Advisory Service	Energy Audit	Mr. Hafiz M.Shaih	Electrical Engg.	27000
Baramati Muncipal Corporation, Baramati	Others	Government	Consultancy & Advisory Service	Design of Calibrated Scales	Dr. S. M. Bhosale	Mech. Engg.	12000

10.17.4 Industry Linkage –

Mandatory Disclosure-2021-22

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

10.17.5 MoUs with Industries :

Mandatory Disclosure-2021-22

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

Mandatory Disclosure-2021-22

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

Mandatory Disclosure-2021-22

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, Project, Sponsorship, Training to staff and students, Visits, Mutual	Industry interaction
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	IIS2K Summit, 7 Feb 2020
23	Insculpt Technologies LLP Pune	2019-20	Faculty Exchange, Student Internship, Project, Sponsorship, Training to staff and students, Visits, Mutual	IIS2K Summit, 7 Feb 2021
24	Sunita Enterprises Baramati	2019-20	Faculty Exchange, Student Internship, Project, Sponsorship, Training to staff and students, Visits, Mutual	IIS2K 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	IIS2K 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

Mandatory Disclosure-2021-22

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, Training to staff and students, Visits, Mutual	IIS2K Summit, 7 Feb 2020
32	Baramati Oxygen	2019-20	Faculty Exchange, Student Internship, Project, Sponsorship, Training to staff and students, Visits, Mutual	IIS2K Summit, 7 Feb 2021
33	Harshal Industries	2019-20	Faculty Exchange, Student Internship, Project, Sponsorship, Training to staff and students, Visits, Mutual	IIS2K Summit, 7 Feb 2022
34	Supriya Electrical , Baramati	2019-20	Faculty Exchange, Student Internship, Project, Sponsorship, Training to staff and students, Visits, Mutual	IIS2K Summit, 7 Feb 2023
35	Pixelstat esolutions developement pvt. ltd	2019-20	Faculty Exchange, Student Internship, Project, 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	2020-21	Faculty Exchange, Student Internship, Project, Sponsorship, Training to staff and students, Visits, Mutual	Research Proposal submitted to RGSTC in 20-21

Mandatory Disclosure-2021-22

	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
	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	Nil

- **Receipts of Research Fellowships**

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

- **IPR Training Programme**

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

- **Centers of Excellence**

<u>Sr. No.</u>	<u>Name of Centre of Excellence</u>
<u>1</u>	<u>Machine Learning and Artificial Intelligence</u>
<u>2</u>	<u>Web Technology</u>
<u>3</u>	<u>PLC Scada</u>
<u>4</u>	<u>Cloud Computing</u>
<u>5</u>	<u>Enhancement of English and foreign Languages</u>
<u>6</u>	<u>Advanced Functional nanomaterial and nanotechnology</u>
<u>7</u>	<u>Advanced Manufacturing and Terotechnology</u>
<u>8</u>	<u>Shrinivas Ramanujan Centre for Enhancement of Mathematical Abilities (COEMA)</u>
<u>9</u>	<u>Plastic Waste Management</u>
<u>10</u>	<u>Sponsored Prerana Center for SC-ST Students</u>
<u>11</u>	<u>Center for Agricultural Technologies</u>
<u>12</u>	<u>Internet of Things</u>
<u>13</u>	<u>Smart Innovation Centre</u>
<u>14</u>	<u>MATLAB for Research Via Enhanced Learnings(MARVEL)</u>
<u>15</u>	<u>Biomedical Image Processing</u>
<u>16</u>	<u>Microwave and Communication system</u>

• **Patent Applications**

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 Bottle For Next Generation	Vaijnath Khomane Shivpriya Yadav Swanand Khaladkar Mauli Shinde Elakkiya Sundaram Mayur Shinde Payal Yadav	Sudhir Lande Vinay Nagalkar	E&TC	201921046613	Filed	15/11/2019
5.	Electrical Appliance Monitoring and Saver Device For Institution	Poonam Jadhav. Shubham Hanamante Chaitanya Sable Vaishnavi Kanade Nirmal Kumbhar Sanket Arde	Sudhir Lande Vinay Nagalkar	E&TC	201921046619	Filed	15/11/2019

Mandatory Disclosure-2021-22

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

Mandatory Disclosure-2021-22

4.	Clover	Akshay Bhujbal Swarali Babar Dr.Vipin Gawande
5.	Byte Electronics	Alok Babar
6.	Renu Electricals	Vaibhav Nagargoje

10.18 LoA and subsequent EoA till the current Academic Year

(Vide AICTE letter No.: F.No. Western/1-9319193709/2021/EOA dated 25-06-2021)

10.19 Accounted audited statement for the last three years : Available

10.20 Best Practices adopted, if any

BEST PRACTICES IN CIVIL ENGINEERING

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 in research.

3. Student Mentoring

Goal: To understand 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 meeting of these students once in week. In meeting, students discuss their problems with the mentor and mentor use to give best possible solution for it. Furthermore, 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, mentor conducts parents meeting also.

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

4. Eklavya Aptitude Test Series

Goal: To prepare students for competitive examinations.

Implementation: Once in month aptitude test namely Eklavya is conducted in the department. Furthermore results of the test are communicated with the students and possible improvements are suggested to them.

Output: Students are ready to face competitive examinations.

5. 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.

BEST PRACTICES IN MECHANICAL ENGINEERING –

Mandatory Disclosure-2021-22

1. Developing innovative approaches in learning and teaching as appropriate. (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 ELECTRICAL ENGINEERING

1. Better teaching-learning and student centric environment
2. More emphasis on industrial trainings, industrial visits and guest lectures
3. More emphasis on hardware and software based practical's and projects of industry relevance.
4. Students association to showcase the talent and use for overall personality development and working habits in a group

BEST PRACTICES IN ELECTRONICS AND TELECOMMUNICATION ENGINEERING

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, Coursera.
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.
12. Faculties are actively involed in university examination work such as paper setting and evaluation

BEST PRACTICES IN COMPUTER ENGINEERING.

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 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 student 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/courser/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 explored to cutting edge domain areas. They strengthened their profile with elite and gold certificate. 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 these video lectures during lab session and leisure time. Online exam is scheduled after one month from 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 comfort in 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 mentor will try to get solution for it. Mentor will keep track of these students progress about attendance, exam performance, achievements. Same progress is communicated to their parents. If required, mentor can conduct parents meeting also.

Output :

Hassle free environment is created among the students and faculties.

5. Use of Whatsapp/Email groups for Effective communication :

Goal:

Instant communication with the students.

Implementation:

Whatsapp/Email Groups are formed class-wise to have instant communication with the students. All Google Classroom, YouTube videos link are instantly shared with the students using whatsapp. Parents are also part of the group so everyone will participate seriously in all activities communicated through it. Apart from Google Classroom, Video Link other necessary information about extracurricular is instantly communicated.

Output:

Speedy communication with the students to keep them busy in learning.

6. Moodle:

Goal :

To provide a uniform way of distributing/sharing resources and learning material between main stakeholders, teachers and students.

Implementation :

Centralised Moodle Server in the department is useful for effectively managing the student-teacher interaction via sharing of video lectures recorded by the faculty. This can be used within the intranet of College and doesn't require an internet connection.

Output:

Recorded Video lectures of Faculty along with Subject resources can be easily shared and accessed by faculty and students.

BEST PRACTICES IN IT 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
6. Microsoft, Yahoo, Oracle, HP etc. and alumni conducts the interactive sessions for the students.
7. Active participation of students in social events, Industrial visits and department technical and non-technical activities
8. Faculties are motivated to get involved in Research work.
9. ERP system is utilized effectively for attendance maintenance purposes.
10. The department has a Timely monthly Attendance Record preparation and student communication system.

11. Faculties are actively involved in University Examination work such as Paper setting and evaluation process.
12. Our department continuously evaluates students' performance by analyzing unit tests, preliminary examination, assignments and oral examinations.
13. 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.
14. 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.
15. Extra lectures are conducted for special guidance, Monitoring of students' performance, providing theory question banks, summary of units and multiple-choice questions.
16. Feedback of students is collected twice during semester for needful improvements.
17. We provide Concept Test to students on all units.
18. Continuous evaluation of practical's in laboratory.
19. Practical Mock test and remedial measures for defaulters.
20. 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.
21. Google Classroom is maintained by every subject teacher to provide access to study material.