

# 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:

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

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

<b>10.1</b>	Name of the Institution	:	<b>Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering &amp; Technology, Baramati</b>
	Address of the Institution	:	<b>Vidyanagari, M.I.D.C. (Resi. Zone), Baramati, Dist. Pune</b>
	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	:	<a href="mailto:principal.vpkbiet@vidyapratishthan.com">principal.vpkbiet@vidyapratishthan.com</a>
	Website	:	<a href="http://www.vpkbiet.org">www.vpkbiet.org</a>
	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	:	2019-20 (Vide AICTE letter No.: F.No. Western/1-4262106086/ 2019/EOA dated 29-04-2019)
	Type of Institution	:	Private-Self Financed
	Category (1) of the Institution	:	Non-Minority
	Category (2) of the Institution	:	Co-Education
<b>10.2</b>	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](http://www.vidyapratishthan.org)
- 10.3** Name and Address of the Vice Chancellor/ Principal/ Director : Dr. Rajankumar Sadashivrao Bichkar  
Designation : Principal  
Phone number with STD code : 02112 – 239500 , 239503  
FAX number with STD code : 02112 – 239514  
Email : [principal.vpkbiet@vidyapratishthan.com](mailto:principal.vpkbiet@vidyapratishthan.com)  
Highest Degree : B.E., M.E., Ph.D. (IITKGP)  
Field of specialization : Model-Based Tomographic Reconstruction  
Using Randomized Search and Optimization Techniques,  
Image Processing, Evolutionary Computation
- 10.4** Name of the affiliating University : Savitribai Phule Pune University, Pune  
Address : Ganeshkhind, Pune – 411 007, Maharashtra State  
Website : <http://www.unipune.ac.in>  
Latest affiliation period : For academic year 2019-20  
Vide university letter Ref. No.: CA/744 dated 16/05/2020

### 10.5 Governance

- **Members of the Board and their brief background**

Sr. No.	Name	Designation
1	Shri. Sharadchandra Govindrao Pawar	President, Vidya Pratishthan
2	Shri. Ashok Vasudev Prabhune	Educationalist
3	Shri. Dattatraya Rajaram Unde	Educationalist
4	Shri. Ajit Anantrao Pawar	Vision Provider
5	Shri. Vitthal B. Maniyar	Businessman
6	Sou. Supriya Sadanand Sule	Social Worker
7	Shri. Sadanand Sule	IT Businessman
8	Shri. Prataprao Pawar	Industrialist
9	Shri. Sharad Kulkarni	International Executive
10	Dr. Amit Dutta	Director, WRO, Mumbai
11	Dr. Abhay Wagh	Director, DTE, Mumbai
12	Dr. Prabhakar Desai	Director, BOS, S.P.P.U. Pune
13	Dr. S.B. Lande	HoD, E&TC, VPKBIET Baramati
14	Dr. S. G. Morkhade	Asst. Prof. Dept.- Civil Engg.
15	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 last 35 years.

#### 3. Shri. Dattatraya Rajaram Unde (B.Sc. Agri)

#### Secretary

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

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

**Trustee**

Work Profile: He is the current Deputy Chief Minister of 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.

**5. 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.

**6. Sou. Supriya Sadanand Sule (B.Sc. Microbiology)**

**Trustee**

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

**7. Shri. Sadanand Sule (P.G. in Commerce)**

**Member**

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

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

**Member**

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

**Special:** Padma Shri the highest Civilian Award of Government of India conferred to him in 2014 for his distinguished service in trade and industry.

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

**Member**

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

**10. Dr. Amit Dutta**

**Member**

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

**11. Dr. Abhay Wagh****Member**

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

**12. Dr. Prabhakar Desai****Member**

Work Profile: - Director, Board of Students' Development (BSD) Savitribai Phule Pune University, Pune

**13. Dr. S.B. Lande (M. Tech., Ph.D.)****Member**

Work Profile: - Professor, Electronics and Telecommunication Engineering, VPKBIET, Baramati

**14. Dr. S. G. Morkhade (M. Tech., Ph.D.)****Member**

Work Profile: - Assistant Professor, Civil Engineering, VPKBIET, Baramati

**15. Dr. R.S. Bichkar B.E., M.E., Ph.D. (IIT KGP)****Member-Secretary**

Work Profile: - Principal, Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering &amp; Technology, Baramati.

**10.6 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	Training and Placement Officer	Member
7	Head, IQAC	Member
8	Dr. R. K. Shastri	Dean Academics

- Frequently of the Board Meeting and Academic Advisory Body : Academic Advisory body meeting held once in year as per the availability of President

**10.7 Organizational chart and processes:**

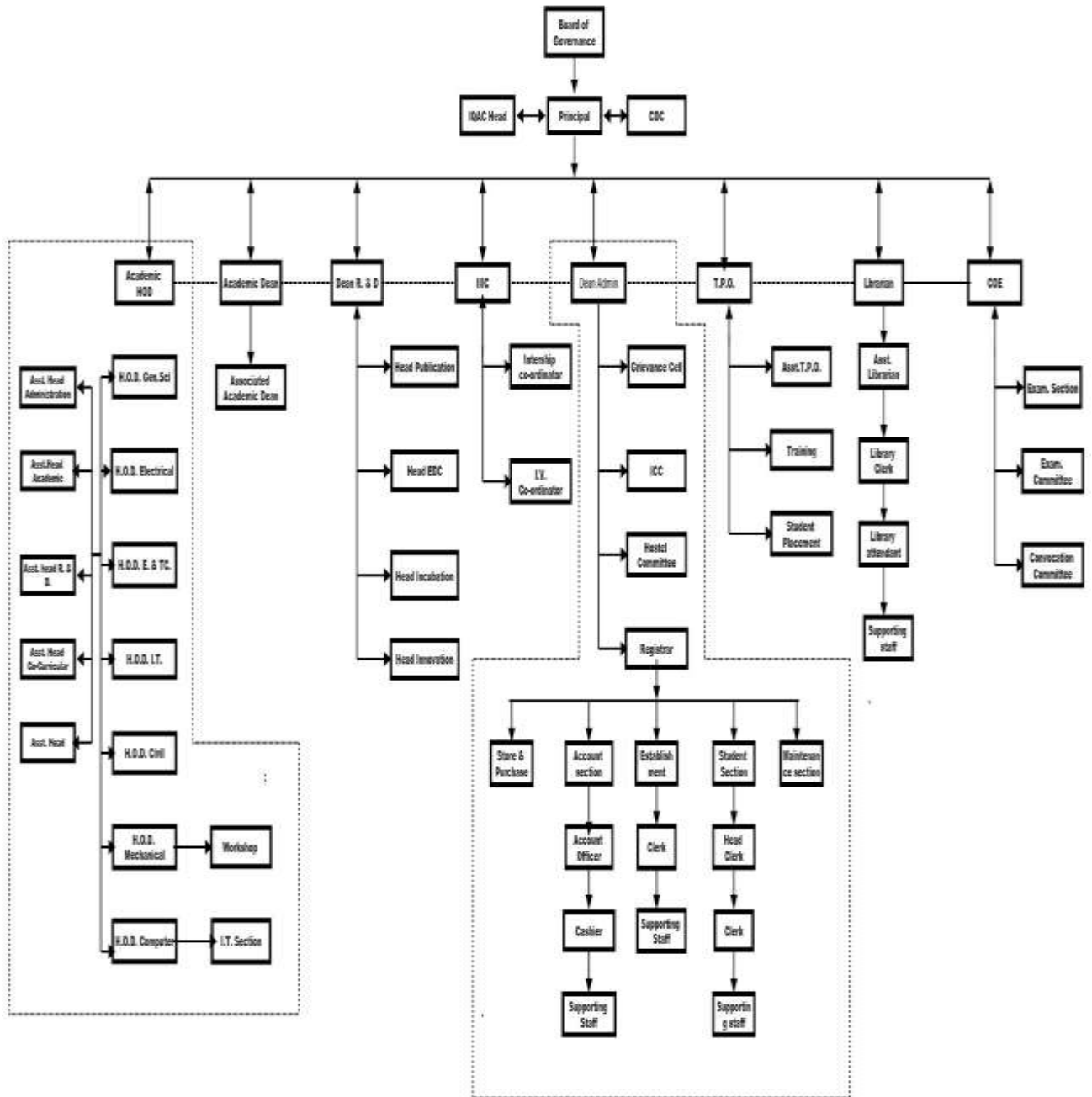
Principal is the executive head of the College. He manages college activities through Deans, different heads of departments, Registrar and Accountant. The academic function is managed through the Dean, Heads, Professors, and Assistant Professors. The Librarian manages library with the coordination of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

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

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

Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering and Technology, Baramati

Organizational Chart



- CDC: College Development Committee
- IIC: Industry Institute Interaction cell
- TPO: Training Placement Officer
- HOD: Head of Department
- COE: College Examination Officer
- ICC: Internal Complaints Committee

- **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.

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

- **Mechanism/ Norms and Procedure for democratic/ good Governance**

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

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

- **Student feedback mechanism on Institutional Governance/faculty performance**

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

### End-Semester Student Feedback Semester-I (2019-20)

#### Theory:

Sr. No.	Parameter	Poor	Average	Good	Very Good	Excellent
1	<b>Knowledge Delivery:</b> How well the subject knowledge is delivered w.r.t subject contents, teaching method, practical examples etc.					
2	<b>Google Classroom:</b> Unit wise ppts, videos, web links, skill development resources etc. and its Quality					
3	<b>Examination Preparation:</b> usefulness of teaching for exams, Question bank, online mock tests, question paper analysis, writing skills for exams etc.					
4	<b>Self-video lectures:</b> available for min. 3 units and					

	quality of video lectures.					
5	<b>R&amp; D Activities:</b> Guidance and encouragement for R&D activities like paper publication, filing patent and sharing project ideas.					
6	<b>Co-curricular Activities:</b> Encouragement and guidance and for participation in technical events, competitions.					
7	<b>Self-Learning:</b> Guidance and encouragement for doing online certification courses like NPTEL, Udemy, FOSS, Microsoft, MATLAB, Spoken Tutorials etc.					
8	<b>Industry Orientation:</b> Organizing industry visit, internship, job opportunities,					
9	<b>Extra-Curricular:</b> Motivates students to participate in societal activities, to follow ethics and human values					
10	<b>Skill Development:</b> 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)

### 10.8 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.

### 10.9 Establishment of Anti Ragging Committee

S.N	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	Adv. Ms. Neelima Gujar (Member, Environmental Forum of India, Baramati)	Representative NGO	Member
5	Mr. Kolekar Avinash Hanumant (Asst. Prof., Mech.Engg., VPKBIET)	Representative – Faculty	Member

6	Mrs. Bhoite Gauri Gajendra (Asst. Prof., General Science VPKBIET)	Representative – Faculty	Member
7	Mr. Fulari Namdev Baban (Student Parent)	Representative – Parent	Member
8	Miss Tejaswini Mahadev Hegade (TE- Civil)	Representative Student – TE	Member
9	Mr Anuraj Ramdas Nigade (FE)	Representative Student – FE	Member
10	Mr. Taware Satish Haribhau (Administrative Officer, VPKBIET)	Representative Non-Teaching Staff	Member

- **Establishment of Online Grievance Redressal Mechanism**

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

You can also email your suggestions/grievances at [grievances@vpkbiet.org](mailto:grievances@vpkbiet.org)

**Online Grievance Redressal Mechanism**

**(Send email regarding grievances to: [grievances@vpkbiet.org](mailto:grievances@vpkbiet.org))**

**Grievance Redressal Process**

**10.10 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	Dr. S.B. Lande	Member
3	Dr. R. K. Shastri	Member
4	Mrs. S.S. Nandgaonkar	Member
5	Mrs. S.A. Takale	Member

- **Establishment of Internal Complaint Committee (ICC)**

Sr. No.	Name	Designation
1	<b>Dr. Sajjan Aparna Ganeshappa</b>	Presiding Officer
2	Mrs. Prachi Kale	Two Committee Members - Teaching Faculties nominated by the Principal
3	Mr. Jadhav Madan Mohan	
4	Mrs. Pornima Sarode	
5	Mr. Natu Nitve	Two Committee Members - Non-Teaching Faculties nominated by the Principal
6	Ms. Shaikh Sana Husen	Undergraduate Student
7	Ms. Parab Sonali Narayan	Postgraduate Student
8	Advt. Ms. Neelima Gujar	External Member

**10.11 Establishment of Committee for SC/ ST**

Sr. No.	Name	Designation
1	Prof. Premanand Kadbe	Coordinator
2	Prof. Vishal Bhagwat	Member
3	Shri. Santosh Gade	Member
4	Shri. Dayanand Sonawane	Member
5	Shri. Dadasaheb Gaikwad	Member

**10.12 Internal Quality Assurance Cell**

Sr. No.	Name	Designation/Department	IQAC Designation
1	Dr. R. S. Bichkar	Principal, VPKBIET Baramati	Chairman, IQAC
2	Mr. D. R. Unde	Secretary, Vidya Pratishthan, Baramati	Management Representative
3	Dr. Chaytanya kulkarni	Associate Professor Dept. of Computer Science Engg.	IQAC Coordinator
4	Mr. Satish Taware	Administrative Officer	Member, VPKBIET Administration
	Mr. Sashank Dandvate	Accounts Officer	
5	Dr. S. K. Shinde	Professor. & Head, Dept. of Computer Engg.	Members
	Dr. S.B.Lande	Vice Principal	
	Mr. D. A. Zende	Asst. Prof. Dept. of Information Technology	
	Dr. P. R. Chitragar	Professor & Head, Dept. of Mechanical Engg.	
	Dr. R. J. Patil	Asst. Prof. Dept. of Civil Engg.	
	Dr. N. B. Wagh	Professor & Head, Dept. of Electrical Engg.	
	Dr. A. P. Hiwarekar	Professor & Head, Dept. of General Science. NAAC Coordinator	
	Mr. A. S. Disale	Asst. Prof. Dept. of General Science & Engg.	
	Dr. S. A. Takale	Professor and Head ,Dept. of I.T.	
	Dr. G. N. Narule	Associate Prof. and Head ,Dept. of Civil Engg.	
	Mr. V.U. Deshmukh	Asst. Prof. Department of E. & TC.	
	Mr. Sahil Shah	Asst. Prof. Dept. of Computer Engg.	
	Mr. H. P. Borate	Asst. Prof. Dept. of Mechanical Engg.	
Mr. R. S. Tarade	Asst. Prof. Dept. of Electrical Engg.		
6	Mr. R. H. Ambole	Secretary, Alumni Association, VPKBIET	Member, Alumnus
7	Mr. Dhananjay Jamdar	President: Baramati chamber of commerce & Industry, CMD: Enforce Engg. Solutions Pvt. Ltd.	Member, Industry
8	Mr. Praful Taware	NGO Member Social worker	Member, Community Service
9	Mr. Onkar Jagdale	Student, Mechanical Engg.	Members
	Ms. Akanksha Mishra	Student, E&TC Engg.	

**10.13 Programmes:**

- **Name of Programmes approved by AICTE**

**Under Graduate:**

SN	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-	PEC 20/00/(292/00) Tanshi 1 dated 27-6-	CA/5358 dated 22-11-2000

			APR)/ET/2000 dated 21-6-2000	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

**Post Graduate:**

SN	Course	Year of affiliation	AICTE Approval No.	Government G.R. No.	University Affiliation Letter No.
1	Computer Engineering	2010	Western Region, Maharashtra / 1-1559911 /2010 / EOA dated 8-11- 2010	Sankirna- 2010/(188/2010) /Tanshi-4 dated 30-7-2010	CA/295 dated 31-1-2011
2	Electronics – Digital System	2010	Western Region, Maharashtra / 1-1559911 /2010 / EOA dated 8-11- 2010	Sankirna- 2010/(188/2010) /Tanshi-4 dated 30-7- 2010	CA/295 dated 31-1-2011
3	Mechanical Energy Engineering	2011	Western/ 1-400489953/2011/ EOA dated 1-9-2011	Sankirn-2011/(213/ 2011)/Tanshi-4 dated 30-6-2011	CA/203 dated 11-1-2013
4	Mechanical Design Engineering	2012	Western/1- 717782077/2012/ EOA dated 10/5/2012	टीईएम- २०१२/प्र.क्र.९८(भाग १)/तांशि-४ dated 30-6-2012	CA/205 dated 11-1-2013
5	Civil Structural Engineering	2012	Western/1- 717782077/2012/ EOA dated 10/5/2012	टीईएम- २०१२/प्र.क्र.९८(भाग १)/तांशि-४ dated 30-6-2012	CA/205 dated 11-1-2013

- Name of Programmes Accredited by AICTE : **NIL**
- Status of Accreditation of the Courses : **NIL**
- Total number of Courses : **11**
- No. of Courses for which applied for Accreditation : **NIL**
- 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 : **NIL**

- For each Programme the following details are to be given:**

Computer Engineering:	2019-2020		2018-2019		2017-2018	
	UG	PG	UG	PG	UG	PG
Name of Course	<b>Computer Engineering:</b>					
No. of Seats (Intake)	60	18	60	18	60	18
Duration	4 Yrs	2 Yrs	4 Yrs	2 Yrs	4 Yrs	2 Yrs

Year wise Actual Admissions in FE	71*	01	60*	18	64*	17
Cut off marks/rank of admission during the last three years	9.5757624	2.67	39/200	3.26	44/200	3.26
Fees	97,516	71,272	76,495	42,028	59,850	57,750
Placement Facilitie	Available	Available	Available	Available	Available	Available
Campus placement in last three years	44(Till date)	NIL	59	NIL	44	01
Avrage Salary (Lakh per anum)	3.51	NIL	3.5	NIL	2.7	2.0
Maximum Salary(Lakh per anum)	5	Nil	4.25	NIL	5.5	2.0
Minimum Salary( Lakh per anum)	1.2	Nil	1.2	NiL	1.2	2.0
% Students passed with Distinction in Final Year	Not Yet Declared	Not Yet Declared	85.94%	100%	69.70%	100%
% Students passed with First Class in Final year	Not Yet Declared	Not Yet Declared	12.50%	----	25.76%	----
<b>Information Technology:</b>	<b>2019-2020</b>		<b>2018-2019</b>		<b>2017-2018</b>	
	<b>UG</b>		<b>UG</b>		<b>UG</b>	
Name of Course	<b>Information Technology:</b>					
No. of Seats (Intake)	60		60		60	
Duration	4 Yrs		4 Yrs		4 Yrs	
Year wise Actual Admissions in FE	59*		59*		56*	
Cut off marks/rank of admission during the last three years	15.68875		34/200		77/200	
Fees	97,516		76,495		57,000	
Placement Facilities	Available		Available		Available	
Campus Placement in Last threeyears	23 (Till date)		52		44	
Avrage Salary (Lakh per anum)	3.92		3.48		2.7	
Maximum salary (Lakh Per anum)	10		4.2		4.5	
Minimum Salary (Lakh Per anum)	1.2		1.2		1.2	
% Students passed with Distinction in Final Year	Not yet Declared		60.81%		61.54%	
% Students passed with First Class in Final year	Not yet Declared		35.14%		32.31%	

<b>Electronics &amp; Telecomm. Engineering:</b>	<b>2019-2020</b>		<b>2018-2019</b>		<b>2017-2018</b>	
	<b>UG</b>	<b>PG</b>	<b>UG</b>	<b>PG</b>	<b>UG</b>	<b>PG</b>
Name of Course	<b>Electronics &amp; Telecomm. Engineering:</b>					
No. of Seats (Intake)	120	18	120	18	120	18
Duration	4 Yrs	2 Yrs	4 Yrs	2 Yrs	4 Yrs	2 Yrs
Year wise Actual Admissions in FE	76*	02	76*	04	83*	01
Cut off marks/rank of admission during the last three years	0.986001	9.33	46/200	3.33	49/200	67.81
Fees	97,516	71,272	76,495	42,028	59,850	57,750
<b>Placement Facilitie</b>	Available	Available	Available	Available	Available	Availa ble
Campus Placements in Last Three Years	14 (Till date)	NIL	46	NIL	55	01

Average salary in Lakh Per anum	3.5	NIL	3.34	NiL	3.12	2.6
Maximum Salary in Lakh Per anum	7	NIL	4.3	NiL	7	2.6
Minimum Salary in Lakh per anum	3.36	NIL	1.2	NIL	1.2	2.6
% Students passed with Distinction in Final Year	Not yet Declared	Not yet Declared	60.45%	100%	60.80%	99.00 %
% Students passed with First Class in Final year	Not yet Declared	Not yet Declared	24.63%	----	24.00%	1.00 %
<b>Mechanical Engineering:</b>	<b>2019-2020</b>		<b>2018-2019</b>		<b>2017-2018</b>	
	<b>UG</b>	<b>PG</b>	<b>UG</b>	<b>PG</b>	<b>UG</b>	<b>PG</b>
Name of Course	<b>Mechanical Engineering:</b>					
No. of Seats (Intake)	60	18+18	60	18+18	60	18+18
Duration	4 Yrs	2 Yrs	4 Yrs	2 Yrs	4 Yrs	2 Yrs
Year wise Actual Admissions in FE	60*	NIL	60*	08 / 02	58*	01 / 05
Cut off marks/rank of admission during the last three years	2.0886	NIL	48/200	8.87 / 7.19	59/200	4.57 /15
Fees	97,516	71,272	76,495	42,028	59,850	57,750
Placement Facilities	Available	Available	Available	Available	Available	Available
Campus placement in last three years	27 (Till date)	NIL	58	NIL	42	02
Average Salary per anum	3.28	NIL	2.82	NIL	1.6	2.5
Maximum Salary in Lakh per anum	10	NIL	3.6	NIL	3.36	2.5
Minimum Salary in Lakh per anum	1.8	NIL	1.2	NIL	1.2	2.5
% Students passed with Distinction in Final Year	Not Yet Declared	Not Yet Declared	78.67%	100%	92.65%	Nil / 99.00 %
% Students passed with First Class in Final year	Not Yet Declared	Not Yet Declared	20.00%	----	5.88%	Nil / 0.0%
<b>Civil Engineering:</b>	<b>2019-2020</b>		<b>2018-2019</b>		<b>2017-2018</b>	
	<b>UG</b>	<b>PG</b>	<b>UG</b>	<b>PG</b>	<b>UG</b>	<b>PG</b>
Name of Course	<b>Civil Engineering:</b>					
No. of Seats (Intake)	60	18	60	18	60	18
Duration	4 Yrs	2 Yrs	4 Yrs	2 Yrs	4 Yrs	2 Yrs
Year wise Actual Admissions in FE	60*	12	60*	18	64*	17
Cut off marks/rank of admission during the last three years	6.575031	1.8	39/200	3.26	1.144/200	3.26
Fees	97,516	71,272	76,495	42,028	59,850	57,50
Placement Facilities	Available	Available	Available	Available	Available	Available
Campus placement in last three years	05 ( till date)	NIL	21	NIL	12	01
Average Salary in Lakh per anum	2.9	NIL	1.8	NIL	1.4	2
Maximum salary in Lakh per anum	3.5	NIL	3.6	NIL	2.4	2
Minimum salary in Lakh Per anum	1.8	NIL	1.44	NIL	1.2	2
% Students passed with Distinction in Final Year	Not Yet Declared	Not Yet Declared	77.94%	47.05%	69.70%	100%
% Students passed with First Class in Final year	Not Yet Declared	Not Yet Declared	14.71%	17.64%	25.76%	-----

Electrical Engineering:	2019-2020	2018-2019	2017-2018
	UG	UG	UG
Name of Course	<b>Electrical Engineering:</b>		
No. of Seats (Intake)	60	60	60
Duration	4 Yrs	4 Yrs	4 Yrs
Year wise Actual Admissions in FE	52*	52*	61*
Cut off marks/rank of admission during the last three years	2.046957	30/200	44/200
Fees	97,516	76,495	57,000
Placement Facilities	Available	Available	Available
Campus placement in last three years	03 (Till date)	22	25
Average salary in Lakh per annum	2.8	3.09	2
Maximum salary in Lakh Per annum	3.6	4	4
Minimum salary in Lakh Per annum.	1.8	1.2	1.2
% Students passed with Distinction in Final Year	Yet Not Declared	61.84%	80.60%
% Students passed with First Class in Final year	Yet Not Declared	22.37%	11.94%

#### 10.14. 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
- Adjunct Faculty : 0
- Faculty Student Ratio: : 1:17 (Approved faculty : student ratio = 1:25)
- Number of Faculty left during last three years : 37

#### 10.15 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 : 31.5 Yrs.
  - Teaching : 31.5 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:

[http://vpkbiet.org/dept\\_EnC.php#faculty](http://vpkbiet.org/dept_EnC.php#faculty)

[http://vpkbiet.org/dept\\_Computer.php#faculty](http://vpkbiet.org/dept_Computer.php#faculty)

[http://vpkbiet.org/dept\\_IT.php#faculty](http://vpkbiet.org/dept_IT.php#faculty)

[http://vpkbiet.org/dept\\_Mechanical.php#faculty](http://vpkbiet.org/dept_Mechanical.php#faculty)

[http://vpkbiet.org/dept\\_Electrical.php#faculty](http://vpkbiet.org/dept_Electrical.php#faculty)

[http://vpkbiet.org/dept\\_Civil.php#faculty](http://vpkbiet.org/dept_Civil.php#faculty)

[http://vpkbiet.org/dept\\_FE.php#faculty](http://vpkbiet.org/dept_FE.php#faculty)

#### 10.16. Fee

##### Details of fee, as approved by State Fee Committee, for the Institution

##### Undergraduate:

1	Tuition & Development Fees	Rs. 90,000/-
2	Other Fees (University Fees + Amartya Shiksha Yojana policy premium)	Rs. 1,519/-
3	Refundable Deposit	Rs. 6,000/-
	<b>Total</b>	<b>Rs. 97,519/-</b>

##### Post graduate:

1	Tuition & Development Fees	Rs. 65,000/-
3	Other Fees (University Fees + Amartya Shiksha Yojana policy premium)	Rs. 1,272/-
4	Refundable Deposit	Rs. 5,000/-
	<b>Total</b>	<b>Rs. 71,272/-</b>

- Time schedule for payment of fee : Maximum 6 Month
- No. of Fee waivers granted : 15
- Number of scholarship offered by the Institution : 15
- Criteria for fee waivers/scholarship : As per Trust guidelines
- Estimated cost of boarding and lodging in Hostels : Yes (Rs.40,000/-)

#### 10.17 Admission

- Number of seats sanctioned with the year of approval

Sr No.	Name of Course	Sanctioned Intake (Year wise)					Actual Admitted (2019-20)				
		1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	Total	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	Total
1	Computer Engineering	60	60	60	60	240	71	66	68	79	284
2	Information Technology	60	60	60	60	240	61	64	68	74	267

3	Elect. & Telecomm. Engg.	120	120	120	120	<b>480</b>	84	90	94	149	<b>417</b>
4	Mechanical Engineering	60	60	60	60	<b>240</b>	57	58	66	69	<b>250</b>
5	Civil Engineering	60	60	60	60	<b>240</b>	60	63	66	75	<b>264</b>
6	Electrical Engineering	60	60	60	60	<b>240</b>	52	55	62	75	<b>244</b>
	<b>Total:</b>	<b>420</b>	<b>420</b>	<b>420</b>	<b>420</b>	<b>1680</b>	<b>385</b>	<b>396</b>	<b>424</b>	<b>521</b>	<b>1726</b>

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

**Under Graduate: Year: 2019-2020**

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	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F		
<b>CIVIL</b>																								
FE	4	3	1	0	0	0	2	1	4	1	2	1	9	2	1	0	1	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	
<b>MECHANICAL</b>																							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	
<b>ELECTRICAL</b>																								
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	
<b>E&amp;TC</b>																								
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
<b>COMPUTER</b>																								
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	
<b>I.T.</b>																								
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	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	
<b>Total:</b>	<b>9</b>	<b>6</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>8</b>	<b>2</b>	<b>8</b>	<b>9</b>	<b>7</b>	<b>1</b>	<b>1</b>	<b>26</b>	<b>17</b>	<b>1</b>	<b>2</b>			<b>39</b>	<b>32</b>	<b>98</b>	<b>74</b>	<b>172</b>	
<b>ME</b>	<b>1</b>	<b>6</b>	<b>3</b>	<b>2</b>	<b>4</b>	<b>8</b>	<b>0</b>	<b>3</b>	<b>2</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>0</b>	<b>3</b>	<b>6</b>	<b>4</b>			<b>0</b>	<b>7</b>	<b>4</b>	<b>2</b>	<b>6</b>	
<b>Branch</b>	<b>SC</b>		<b>ST</b>		<b>DT/V J</b>		<b>NT1(B)</b>		<b>NT2(C)</b>		<b>NT3(D)</b>		<b>OBC</b>		<b>SBC</b>		<b>SEB C</b>		<b>OPEN</b>		<b>Total</b>		<b>Total</b>	
	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>		
<b>CE</b>																								
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	
<b>DS</b>																								
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	
<b>DE</b>																								
ME-I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ME-II	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	3	1	5	1	6	
<b>EE</b>																								
ME-I																					0	0	0	
ME-II	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	2	

SE																							
ME-I	1	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	1	4	3	7	5	12
ME-II	2	1	0	0	0	0	0	0	2	0	0	0	2	1	0	0	0	0	9	1	15	3	18
<b>Total:</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>4</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>18</b>	<b>10</b>	<b>29</b>	<b>18</b>	<b>47</b>
<b>Gross Total:</b>	<b>9</b>	<b>6</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>8</b>	<b>2</b>	<b>8</b>	<b>9</b>	<b>7</b>	<b>1</b>	<b>2</b>	<b>26</b>	<b>17</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>40</b>	<b>33</b>	<b>10</b>	<b>76</b>	<b>177</b>
	<b>4</b>	<b>8</b>			<b>5</b>		<b>0</b>		<b>6</b>	<b>3</b>	<b>9</b>	<b>0</b>	<b>4</b>	<b>6</b>	<b>6</b>	<b>4</b>		<b>8</b>	<b>7</b>	<b>13</b>	<b>0</b>	<b>3</b>	

## Under Graduate: Year: 2018-2019

Branch	SC		ST		DT/VJ		NT1(B)		NT2(C)		NT3(D)		OBC		SBC		OPEN		Total		Total		
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F			
<b>Civil Engineering</b>																							
FE	4	3	0	0	0	1	2	0	7	1	1	1	6	6	1	1	19	7	40	20	60		
SE	5	2	0	0	2	0	2	0	2	2	2	2	7	7	1	1	24	10	45	24	69		
TE	5	5	0	0	0	0	2	0	6	0	0	1	10	3	1	0	25	13	49	22	71		
BE	7	3	0	0	0	1	0	0	0	2	2	3	16	3	0	2	20	9	45	23	68		
<b>Mechanical Engineering</b>																							
FE	7	1	0	0	1	0	1	0	7	0	1	0	13	5	0	0	19	5	49	11	60		
SE	8	2	0	0	2	1	1	0	1	2	2	0	15	2	3	1	26	5	58	13	71		
TE	8	1	1	0	1	0	0	0	1	2	1	0	22	3	1	1	22	5	57	12	69		
BE	9	1	0	0	1	0	2	0	2	0	0	0	11	5	2	2	35	5	62	13	75		
<b>Electrical Engineering</b>																							
FE	4	3	0	0	3	0	1	0	3	1	2	0	8	2	1	0	17	7	39	13	52		
SE	8	3	0	0	1	0	2	0	1	3	2	2	11	4	1	3	16	8	51	23	74		
TE	5	6	0	1	0	0	2	1	3	5	3	1	12	7	0	0	20	12	45	33	78		
BE	3	3	1	0	0	0	2	0	4	4	3	1	7	5	1	0	25	17	46	30	76		
<b>Electronics &amp; Telecommunication</b>																							
FE	0	1	0	0	0	0	0	0	5	3	0	1	7	6	0	1	23	29	35	41	76		
SE	0	2	0	0	0	0	0	0	4	1	0	0	13	13	1	0	33	25	51	41	92		
TE	5	1	0	0	1	1	1	2	9	1	0	5	17	16	0	2	31	43	64	80	144		
BE	3	6	0	0	0	1	0	1	5	9	1	1	8	20	0	3	27	49	44	90	134		
<b>Computer Engineering</b>																							
FE	5	2	0	0	1	2	0	0	0	1	1	0	6	7	0	1	14	18	27	31	58		
SE	3	4	0	0	0	0	1	1	1	3	0	2	8	10	0	3	12	18	25	41	66		
TE	5	7	0	0	0	1	0	1	4	2	1	0	8	7	1	3	14	28	33	49	82		
BE	2	4	0	0	0	1	1	1	0	1	0	0	6	4	0	2	19	23	28	36	64		
<b>Information Technology</b>																							
FE	5	3	0	0	1	0	1	0	1	1	1	0	12	5	1	0	14	14	36	23	59		
SE	3	4	0	0	0	2	0	0	2	6	1	1	12	12	2	1	8	14	28	40	68		
TE	3	0	0	0	0	0	1	0	1	3	1	0	12	11	0	2	15	20	33	36	69		
BE	1	3	0	0	0	2	1	0	2	1	0	0	7	8	0	1	17	31	28	46	74		
<b>Total:</b>	<b>10</b>	<b>7</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>7</b>	<b>8</b>	<b>6</b>	<b>2</b>	<b>2</b>	<b>25</b>	<b>17</b>	<b>1</b>	<b>3</b>	<b>49</b>	<b>41</b>	<b>101</b>	<b>8</b>	<b>791</b>	<b>18</b>	<b>09</b>

## Post Graduate: 2018-19

Branch	SC		ST		DT/VJ		NT1(B)		NT2(C)		NT3(D)		OBC		SBC		OPEN		Total		Total	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F		
<b>Computer Engineering</b>																						
ME-I	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	3	1	3	4	
ME-II	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	1	0	4	4	
<b>Digital System</b>																						
ME-I	0	1	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	0	0	4	4	
ME-II	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	

Design Engineering																						
ME-I	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ME-II	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	4	1	5
Energy Engineering																						
ME-I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	2
ME-II	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Structural Engineering																						
ME-I	2	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0	12	1	15	3	18	
ME-II	1	1	0	0	0	0	0	0	1	1	0	0	1	2	0	0	5	5	8	9	17	
Total:	5	3	0	0	1	0	0	0	3	3	0	1	3	7	0	0	26	11	38	25	63	
Gross Total:	113	73	2	1	15	13	23	7	83	66	25	22	257	178	17	30	521	426	1056	816	1872	
Under Graduate: Year: 2017-2018																						
Branch	SC		ST		DT/VJ		NT1(B)		NT2(C)		NT3(D)		OBC		SBC		OPEN		Total		Total	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F		
Computer Engineering																						
FE	4	4	0	0	0	1	1	0	1	2	0	1	8	8	1	1	15	15	30	32	62	
SE	5	5	0	0	0	1	0	2	4	2	1	0	9	5	1	2	13	24	33	41	74	
TE	1	4	0	0	0	1	1	1	0	1	0	1	8	5	0	2	18	24	28	39	67	
BE	4	5	0	0	0	0	0	1	2	5	2	0	3	14	0	2	12	22	23	49	72	
Electronics & Telecommunication																						
FE	0	1	0	0	0	0	0	0	1	0	1	0	8	6	2	0	30	24	51	32	83	
SE	4	1	0	0	0	0	1	2	5	9	0	5	19	15	0	2	34	44	63	78	141	
TE	6	5	0	0	0	1	0	2	5	1	1	1	9	27	1	3	25	53	47	102	149	
BE	4	6	0	0	2	1	1	2	5	9	0	2	10	16	1	2	29	34	52	72	124	
Information Technology																						
FE	4	3	0	0	0	1	0	1	3	2	2	1	10	11	1	0	8	9	28	28	56	
SE	5	1	0	0	1	0	0	0	1	4	1	0	11	11	0	1	13	21	32	38	70	
TE	2	5	0	0	0	2	1	0	4	0	0	0	8	9	0	1	15	29	30	46	76	
BE	2	3	0	0	0	0	1	0	0	6	1	0	12	9	1	0	8	22	25	40	65	
Mechanical Engineering																						
FE	7	0	0	0	2	1	1	0	0	1	1	0	14	1	3	1	22	4	50	8	58	
SE	9	0	1	0	1	0	0	0	1	2	1	0	18	4	1	1	24	5	56	12	68	
TE	9	1	0	0	0	0	2	0	3	0	0	0	12	5	2	2	37	5	65	13	78	
BE	7	1	1	1	1	0	0	0	4	2	1	0	14	5	0	0	26	5	54	14	68	
Civil Engineering																						
FE	5	3	0	0	2	1	1	0	3	1	0	1	9	5	1	1	24	7	45	19	64	
SE	4	5	0	0	0	0	2	0	7	0	1	1	11	3	0	0	25	13	50	22	72	
TE	7	3	1	0	0	1	0	0	0	2	2	3	15	4	0	3	21	9	46	25	71	
BE	6	4	0	0	2	0	2	1	3	2	0	1	6	6	0	0	19	14	38	28	66	
Electrical Engineering																						
FE	7	1	0	0	2	0	1	0	6	2	0	2	10	3	2	2	19	4	47	14	61	
SE	4	5	0	1	0	0	2	1	5	5	3	1	9	6	0	0	18	12	41	31	72	
TE	4	3	1	0	0	0	1	0	3	4	3	1	7	5	1	0	25	17	45	30	75	
BE	4	4	1	0	0	0	1	0	4	4	3	1	6	5	0	3	17	14	36	31	67	
Total:	114	73	5	2	13	1	1	1	7	7	2	2	24	18	1	2	49	43	101	844	1859	

Post Graduate: 2017-18																					
Branch	SC		ST		DT/V J		NT1(B)		NT2(C)		NT3(D)		OBC		SBC		OPEN		Total		Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
<b>Computer Engineering</b>																					
ME-I	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	2	0	5	5
ME-II	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	6	0	8	8
<b>Digital System</b>																					
ME-I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
ME-II	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	3	3
<b>Design Engineering</b>																					
ME-I	2	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	4	1	5
ME-II	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Energy Engineering</b>																					
ME-I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
ME-II	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	3	0	3
<b>Structural Engineering</b>																					
ME-I	1	1	0	0	0	0	0	0	1	1	0	0	1	2	0	0	5	5	8	9	17
ME-II	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	5	2	5	3	8
<b>Total:</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>17</b>	<b>22</b>	<b>29</b>	<b>51</b>
<b>Gross Total:</b>	<b>117</b>	<b>74</b>	<b>5</b>	<b>2</b>	<b>13</b>	<b>11</b>	<b>19</b>	<b>3</b>	<b>80</b>	<b>80</b>	<b>24</b>	<b>23</b>	<b>249</b>	<b>194</b>	<b>18</b>	<b>29</b>	<b>512</b>	<b>447</b>	<b>1037</b>	<b>873</b>	<b>1910</b>
<b>Under Graduate: Year: 2016-2017</b>																					
Branch	SC		ST		DT/V J		NT1(B)		NT2(C)		NT3(D)		OBC		SBC		OPEN		Total		Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
<b>Civil Engineering</b>																					
FE	3	4	1	0	1	0	1	0	7	0	0	1	10	1	1	0	22	6	46	12	58
SE	8	3	2	0	1	1	0	1	0	2	3	3	13	4	1	2	21	10	49	26	75
TE	6	4	0	0	2	0	2	1	3	2	0	1	7	6	0	0	17	14	37	28	65
BE	9	3	0	0	0	0	2	0	4	2	1	1	12	5	1	0	28	8	57	19	76
<b>Mechanical Engineering</b>																					
FE	8	2	0	0	1	0	0	0	2	2	1	0	14	2	2	0	19	4	47	10	57
SE	10	2	0	0	0	0	1	0	3	0	0	0	12	6	1	1	33	6	60	15	75
TE	7	1	1	1	1	0	0	0	4	2	1	0	12	5	0	0	25	5	51	14	65
BE	9	3	1	0	1	0	2	0	2	0	1	0	11	3	0	0	33	8	60	14	74
<b>Electrical Engineering</b>																					
FE	3	6	0	1	1	0	2	1	5	3	2	1	6	6	0	0	12	8	31	26	57
SE	3	4	1	0	0	0	1	0	3	4	3	1	10	6	1	1	20	17	42	33	75
TE	5	3	1	0	0	0	1	0	4	4	1	1	3	6	0	3	16	14	31	31	62
BE	6	5	0	0	0	0	0	0	3	2	1	1	9	5	1	0	27	9	47	22	69
<b>Electronics &amp; Telecommunication</b>																					
FE	0	0	0	0	0	0	1	2	1	6	0	0	17	10	0	1	31	32	50	51	101
SE	7	6	0	0	3	2	0	1	8	10	1	0	10	27	1	4	19	52	49	102	151
TE	2	6	0	0	2	1	1	2	3	9	0	2	9	15	1	3	28	32	46	70	116
BE	5	9	0	1	1	3	0	1	2	5	3	3	7	16	1	2	32	46	51	86	13

																					7
<b>Computer Engineering</b>																					
FE	3	3	0	0	0	1	0	2	3	0	0	1	9	5	1	1	14	19	30	32	62
SE	2	6	0	0	0	1	1	1	0	2	0	1	6	6	0	3	19	27	28	47	75
TE	1	4	0	0	0	0	0	1	2	5	2	0	3	15	0	2	12	22	20	49	69
BE	3	6	0	0	1	2	0	1	3	2	3	0	6	8	1	1	15	25	32	45	77
<b>Information Technology</b>																					
FE	5	1	0	0	0	0	1	0	0	3	1	0	13	4	0	1	14	16	34	25	59
SE	1	3	0	0	0	2	2	0	4	0	0	0	8	10	1	1	15	31	31	47	78
TE	0	4	0	0	0	0	1	0	0	8	0	0	10	9	1	0	9	24	21	45	66
BE	3	1	1	0	1	0	0	0	1	7	0	2	3	11	0	1	10	29	19	51	70
<b>Total:</b>	<b>109</b>	<b>89</b>	<b>8</b>	<b>3</b>	<b>16</b>	<b>13</b>	<b>19</b>	<b>4</b>	<b>68</b>	<b>8</b>	<b>24</b>	<b>1</b>	<b>220</b>	<b>191</b>	<b>15</b>	<b>27</b>	<b>491</b>	<b>464</b>	<b>969</b>	<b>900</b>	<b>1869</b>
<b>Post Graduate: 2016-17</b>																					
<b>Computer Engineering</b>																					
ME -I	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	6	0	8	8
ME -II	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	2	4	2	7	9
<b>Digital System</b>																					
ME -I	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	3	3
ME -II	0	0	0	0	0	0	0	0	1	1	0	0	0	2	0	0	1	5	2	8	10
<b>Design Engineering</b>																					
ME -I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ME -II	2	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0	2	0	7	0	7
<b>Energy Engineering</b>																					
ME -I	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	3	0	3
ME -II	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2
<b>Structural Engineering</b>																					
ME -I	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	5	2	6	3	9
ME -II	0	0	0	0	0	0	0	0	3	1	0	0	1	0	1	1	5	1	10	3	13
<b>Total:</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>7</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>6</b>	<b>1</b>	<b>1</b>	<b>18</b>	<b>21</b>	<b>31</b>	<b>33</b>	<b>64</b>
<b>Gross Total:</b>	<b>111</b>	<b>89</b>	<b>8</b>	<b>3</b>	<b>16</b>	<b>13</b>	<b>19</b>	<b>4</b>	<b>68</b>	<b>8</b>	<b>24</b>	<b>1</b>	<b>223</b>	<b>197</b>	<b>16</b>	<b>28</b>	<b>509</b>	<b>485</b>	<b>1000</b>	<b>933</b>	<b>1933</b>

- Number of applications received during : 2019-2020 - 108  
Last two years for admission under 2018-2019 - 198  
Management Quota 2016-2017 - 148

- Number of Admitted in 2019-20 44

#### 10.18. Admission Procedure

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

- MHT-CET : <http://www.dtemaharashtra.gov.in/mhtcet2018/index.html>
- JEE Main : <https://jeemain.nic.in/webinfo/Public/Home.aspx>

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

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

**Calendar for admission against Management/vacant seats:**

- Last date of request for applications : Sunday, 11/08/2019 Up to 5.00 pm.
- Last date of submission of applications : Sunday, 11/08/2019 Up to 5.00 pm.
- Dates for announcing final results : Monday, 12/08/2019 @ 11.00 am.  
Release of Adm. List (main list and waiting List shall be announced on the same day)
- Date for acceptance by the candidate : Monday, 12/08/2019 @ 10.00 am.  
(time given shall in no case be less than 15 days)
- Last date for closing of admission : 14/08/2019 Up to 5.00 pm.
- Starting of the Academic session : 13/08/2019
- The waiting list shall be activated only on the: Admission against vacant seats, if any, will be  
Expiry of date of main list considered after this round strictly on merit basis.
- The policy of refund of the fee, in case of withdrawal, shall be clearly notified : In case of cancellation of the admission, refund of the fee as per Information Brochure Page no. 27 of Government of Maharashtra & State Common Entrance Test Cell, Mumbai

**10.19. Criteria and Weightages for Admission**

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

Admissions in Institutional Quota and vacant seats after CAP.- The Director or Principal of the institution shall carry out the admissions for these seats in the following manner. -

- a. Admissions shall be made in a transparent manner and strictly as per the Inter-Se-Merit of the Candidates who have applied to the Competent Authority for verification of documents and then to the Institution.
- B Information brochure or prospectus of the Institution which specifies rules of admission should be published well before the commencement of the process of admission. All the information in the brochures should also be displayed on the Institution's website.
- C Institution shall invite applications by notifying schedule of admission and the number of seats in each course to be filled by the institution, by advertisement on the website of the institution. Aspiring Candidates fulfilling the eligibility criteria as notified by the Government and specified by the appropriate authority, from time to time, shall apply to the Principal or Director of the respective institution for admission at the Institution level as provided in rule 3(4)(b) and shall be filled in on the basis of Inter-Se-Merit prepared by following the procedure specified in 8(3).
- D The institution after verification of all required documents shall prepare and display the Inter-Se-merit lists of the Candidates to be filled in at the institution level, in the Institutional Quota and Supernumerary Quota of OCI / PIO, Foreign National, Children's of Indian workers in Gulf Countries along with the vacant seats after CAP, on the notice board and shall publish the same on the website of the institution.
- E The Minority or Non-Minority institution intending to surrender the Institutional Quota (in part or full) of specified courses to the CAP shall communicate two days before the display of seat matrix of CAP Round I and the same shall be allotted as per the rules of CAP. The Institutes shall not be allowed to

surrender Institutional quota seats thereafter All the admissions and cancellations shall be updated instantly through online system.

- F If any CAP seat remains or becomes vacant after the CAP Rounds, then the same shall be filled in by the Candidate from the same Category for which it was earmarked during the CAP. Further if the seats remain vacant then the seats shall be filled on the basis of Inter-Se-Merit of the applicants.

**Mention the minimum level of acceptance, if any**

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

Or

- II Passed Diploma in Engineering and Technology and obtained at least 50% marks (at least 45% marks, in case of Backward class categories and Persons with Disability candidates belonging to Maharashtra State only);

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

Sr. No.	Branch	2019-20		2018-19		2017-18	
		UG	PG	UG	PG	UG	PG
1	Civil	6.575031	0.48	39/200	3.26	44/200	3.26
2	Mechanical	2.0886	---	48/200	8.87 / 7.19	59/200	4.57 / 15
3	Electrical	3.19952	---	30/200	44/200	55/200	30/200
4	E&TC	0.986	9.33	46/200	3.33	49/200	67.81
5	Computer	6.14558	2.67	39/200	3.26	44/200	3.26
6	IT	0.97405	---	34/200	77/200	36/200	34/200

- **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.

**10.20. 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):**

Merit No	Application ID	Name of the Candidate	Caste / Category	CET	JEE
				Total (200)	Score
1	EN19270991	WABLE RUTUL DILIP	Open	<b>92.06</b>	----
2	EN19211678	BADAVE NETRALI SHASHIKANT	NT3	<b>86.16</b>	----
3	EN19211442	SHEWALE OMKAR MAHENDRA	OPEN	<b>85.39</b>	<b>81</b>
4	-----	JADHAV AKSHYA SHIVAJI	VJNT	<b>85.36</b>	----
5	EN19214660	KHADKE DEEP RAJESH	OPEN	<b>84.77</b>	----
6	EN19325846	SHIVANKAR DEVANI HANMANT	open	<b>82.39</b>	----

7	EN19213850	SHELKE SNEHAL NAMDEV	open	<b>80.40</b>	----
8	EN19251790	SIDDIQUI AMIN ALTAF	open	<b>72.98</b>	----
9	EN19306508	KHAMKAR ABHISHEK HANUMANT	open	<b>68.40</b>	<b>28</b>
10	EN19220102	JAGTAP SUYASH SUNIL	SEBC	<b>66.33</b>	<b>66</b>
11	EN19247795	WALKE OMKAR YASHWANT	OBC	<b>65.95</b>	----
12	EN19223145	JADHAV SANKET SANJAY	OPEN	<b>63.80</b>	<b>54</b>
13	EN19246811	JOSHI ATHARVA MANISH	open	<b>63.15</b>	<b>53</b>
14	EN19221511	KADAM KANISHK RAVINDRA	Open	<b>60.36</b>	<b>67</b>
15	EN19319524	KAKADE JUI SAMBHAJIRAO	OPEN	<b>54.68</b>	<b>44</b>
16	EN19257133	SHIPATE SHUBHAM DILIP	OBC	<b>52.71</b>	<b>45</b>
17	EN19304058	SHINDE KOMAL NITIN	SC	<b>46.08</b>	----
18	EN19316555	THORAT SHREYAS RAMDAS	SEBC	<b>45.79</b>	<b>71</b>
19	EN19218910	WALAKATE NISHANT NIVRUTTI	OBC	<b>42.50</b>	<b>56</b>
20	EN19213621	LALWANI YASH AMIT	OPEN	<b>40.55</b>	----
21	EN19285951	BORAWAKE ATHARV NIVRUTTI	NT3	<b>39.98</b>	----
22	EN19215994	HOLKAR VAISHNAV MANSING	OBC	<b>38.06</b>	<b>82</b>
23	EN19140256	GALAVE HARSHAD DATTATRAY	OBC	<b>36.81</b>	----
24	EN19 209661	PATIL HARSHAVARDHAN AVINASH	open	<b>35.75</b>	----
25	EN19218202	DARADE NISARGA VASANT	NT-D	<b>34.62</b>	<b>23</b>
26	EN19244612	BHOSALE ADITYA SUDHIR	Open	<b>33.82</b>	<b>48</b>
27	EN19332794	GADIYAL MANSI SANJAY	SC	<b>32.34</b>	<b>47</b>
28	EN19330080	MANDAGE CHHAGAN SURESH	SEBC	<b>32.16</b>	<b>33</b>
29	EN19224279	SURYAVANSHI SHWETA DNYANESHWAR	SEBC	<b>31.85</b>	<b>58</b>
30	EN19227575	THOMBARE OMKAR MAHAVIR	NT2	<b>31.34</b>	<b>43</b>
31	EN19206747	WABLE YASHRAJ VINAY	Open	<b>31.12</b>	<b>54</b>
32	EN19204577	KATE KIMAYA SUDHIR	open	<b>31.11</b>	<b>52</b>
33	EN192274734	NARKHEDE SHRUTI SUBHASH	NT3	<b>29.57</b>	<b>77</b>
34	-----	RAO ANISHKUMAR ASHOKKUMAR	open	<b>29.09</b>	<b>33</b>
35	EN19284816	BHOITE RUTURAJ RAJENDRA	SC	<b>29.03</b>	<b>80</b>
36	-----	SALUNKE YOGIRAJ SANJAY	SEBC	<b>28.90</b>	----
37	EN19242006	GHOHARE VIDYA HANUMANT	OPEN	<b>28.21</b>	<b>47</b>
38	EN19223917	KADAM SUMIT NARAYAN	SEBC	<b>27.83</b>	<b>71</b>

39	EN19203510	PRABHUNE PRASAD DEVENDRA	open	<b>26.74</b>	----
40	EN19214704	GURSALKAR SHREYAS SANTOSH	OPEN	<b>25.98</b>	<b>56</b>
41	EN19299507	RANDHAVE TEJASVI LAXMAN	OBC	<b>24.79</b>	----
42	EN19174563	CHAVAN MANASI UTTAM	SEBC	<b>24.42</b>	----
43	EN19215592	TAMBOLI ARSHAD MANSUR	NT3	<b>23.75</b>	----
44	EN19224771	GHARMALKAR SURAJ ASHOK	NT3	<b>23.70</b>	----
45	EN19264448	GHADGE MEGHMADHAV SHASHIKANT	Open	<b>23.25</b>	<b>18</b>
46	EN19211019	JAGTAP RAJ PRAVIN	open	<b>23.02</b>	<b>65</b>
47	EN19252779	KOTHAWALE SHREEDHAR GULAB	NT2	<b>22.62</b>	<b>17</b>
48	EN19244045	CHAVAN KSHITIJA TANAJI	SEBC	<b>22.16</b>	<b>73</b>
49	EN19243801	BORATE SWANIL POPAT	OBC	<b>22.16</b>	----
50	EN19210368	JADHAV PARTHRAJ SURESH	SEBC	<b>21.76</b>	<b>42</b>
51	EN19272519	BIRAJKAR NIKHIL DUNDAPPA	OBC	<b>21.49</b>	----
52	EN19241220	KHARTODE SWAPNIL RAMESH	NT2	<b>21.48</b>	<b>4</b>
53	EN19228397	JAMDADE PRAGATI RAVINDRA	NT3	<b>21.33</b>	<b>54</b>
54	EN19215273	DHUMAL ANUJ NAVNATH	open	<b>20.69</b>	<b>54</b>
55	EN19261691	JYOTI AAYUSH SACHIN	Open	<b>20.65</b>	<b>9</b>
56	EN19286027	KARANDE VEDANT ANIL	Open	<b>20.56</b>	----
57	EN19200887	JADHAV ARYAN GAUTAM	Open	<b>20.53</b>	<b>38</b>
58	EN19225682	NAYYAR BAKRAM VIVEK	open	<b>20.38</b>	----
59	EN19250007	HINGANE SAKSHI AMOL	NT3	<b>20.32</b>	<b>45</b>
60	EN19214521	CHAUDHARI RAHUL DEEPAK	OBC	<b>19.09</b>	<b>16</b>
61	EN19241343	DHAIGUDE SANCHITA VIJAY	NT3	<b>19.01</b>	<b>45</b>
62	EN19218925	GALANDE PRANAV SOMNATH	Open	<b>18.98</b>	<b>11</b>
63	EN19211118	KALE DNYANESHWAR VIJAYKUMAR	SEBC	<b>18.89</b>	<b>66</b>
64	EN19244389	ZAGADE SURAJ VIJAY	OBC	<b>18.86</b>	<b>72</b>
65	EN19318557	MANE SANYOG VISHWAS	Open	<b>18.86</b>	<b>62</b>
66	EN19282597	SALPE VARUN NAGESH	NT3	<b>17.38</b>	<b>23</b>
67	EN19230207	KASHID VIKAS SANJAY	OBC	<b>15.87</b>	<b>69</b>
68	EN19299436	PATIL SANKET SURESH	open	<b>15.65</b>	<b>42</b>
69	EN19245746	BHOSALE HARSHAL SATISH	NT3	<b>15.14</b>	<b>18</b>
70	EN19263134	NALAWADE SHARDUL SUNIL	OPEN	<b>14.68</b>	----

71	EN19213363	DARADE VIRDHAWAL DADASHEB	NT3OBC	14.63	41
72	EN19258604	PAWAR SARTHAK ANIL	OPEN	13	45
73	EN19215167	BHOSALE INDRAJIT MAHENDRA	SEBC	13.74	----
74	EN19248345	MANE TANISHA NANASAHEB	open	13.48	44
75	EN19301079	HODADE KSHITIJA SUNIL	NT3	13.46	17
76	EN19264057	KUMBHAR SAKET VASANT	OBC	13.32	44
77	EN19331175	RANAWARE VAISHANAVI ASHOK	SBC	13.03	----
78	EN19264894	AWATE SUYASH SADASHIV	OPEN	12.69	43
79	EN19307247	GAIKWAD SAMRUDDHI MAHESH	Open	12.25	40
80	EN19245430	PHALAKE SANCHIT SANJAY	Open	10.00	18
81	EN19266227	RANANAVARE HARSH SANJAY	open	8.95	70
82	EN19258388	SHELAR PRASAD YOGESH	OBC	7.28	----
83	EN19266948	NIKAM SIDDHESH PRAVIN	Open	7.21	----
84	EN19308781	GAIKWAD PRANAV DNYANDEV	OPEN	6.32	----
85	EN19212259	JOSHI PRACHI KISHORKUMAR	Open	6.54	22
86	EN19249640	KSHIRSAGAR NISHANT SANDIP	open	6.36	9
87	EN19144359	JADHAV SUMIT SURESH	OPEN	6.25	----
88	EN19282561	KATE SHREENIWAS RAJENDRA	OPEN	5.80	9
89	EN19258240	GURAV ATHARVA PRAVIN	OBC	5.53	68
90	-----	BHAGWAT AKSHAY SACHIN	OPEN	3.66	----
91	EN19220880	TAWARE SIDDHI SATYAJEET	Open	2.05	----
92	EN19255121	ZAGADE MONIKA SANJAY	OBC	0.98	64
94	EN19285884	INGOLE SUDHA RAJENDRA	open	-	78
95	EN19217293	PHALKE PRATIK RANJEET	SEBC	-	67
96	EN19227020	SWAMI SIDDHESH AJIT	SBC	-	44
97	EN19221782	GADEKAR ROHAN BHAUSAHEB	OBC	-	40
98	EN19247347	JAGTAP SHUBHAM SUNIL	SEBC	-	38
99	EN19299678	THITE ABHIJIT ROHIT	open	-	11
100	----	PATANKAR SUMIT PRAMOD	OPEN	-----	-----
102	----	MANE SAMBHAJI MOHAN	open	-----	----
103	----	HOLKAR BHAVIKA RAJKUMAR	OBC	7.62	29
104	----	KAKADE HARSH SANJAY	open	6.20	-----

105	----	SHARMA ROHIT PRAMOD	OPEN	15.31	-----
106	----	RATHOD PRADEEP NATHU	SC	13.42	-----
108	EN19161087	DEOKATE SANKET PRADIP	NT3	25.73	63

**Post Graduate: (PG):**

Sr. No.	Application ID	General Merit No.	Branch for ME	Name	Gate Score
1	ME19612526	2813	Civil-Structural Engg.	Choudhar Priyanka Sanjay	12.73
2	ME19659705	---	Civil-Structural Engg.	Khomane Shubham Madhukar	12.38
3	ME19648706	---	Civil-Structural Engg.	Gorad Chandrakant Manik	8.55
4	ME19649019	---	Civil-Structural Engg.	Jawak Vishal Abasaheb	8.2
5	ME19616505	4133	Civil-Structural Engg.	Jadhav Komal Balaso	6.46
6	ME19659534	---	Civil-Structural Engg.	Chaudhar Suraj Dada	3.44
7	ME19659850	---	Civil-Structural Engg.	Patwari Nadim Ayubkhan	3.11
8	ME19612504	5115	Civil-Structural Engg.	Chandgude Priyanka Vilas	1.8
9	ME19648962	---	Civil-Structural Engg.	Nikam Shubham Raghunath	0.48

- **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	Department	Nature of Work
1	Dr. R.S.Bitchker	Principal	Chairman
	Mr. A.S. Disale	First Year Engg	Coordinator of FE Admission
2	Mr. Patil Anil Bhaurao	First Year Engg.	Document verification
3	Dr. Aprna G. Sajjan	First Year Engg.	Document Verification
4	Dr. G.A. Dhanorkar	First Year Engg.	Document Verification
5	Dr. N.A. Jadhav	First Year Engg.	Document Verification
6	Mr. S.H. Taware	Principal Office	Institute level admission and overall administrative support
7	Mr. S.V. Jankar	Principal office	Institute level original Document Verification
8	Mr. P.D. Surywanshi	Principal Office	Verification and receiving original Document and Eligibility Forms
9	Mr. D.S.Sonawane	Principal Office	Verification and receiving original Document and Eligibility Forms
10	Mrs. D.B. Jagtap	Principal Office	Verification of Fees Challan
11	Mr. S.R. Jagtap	Principal Office	Scholarship Information
12	Mr. S.R. Wagh	Computer Engg.	Technical support
13	Mrs. R.N. Zargad	Computer Engg.	Supporting staff for Data Entry in ERP
14	Mrs S.A. Lad	Infor. Technology	Supporting staff for Data Entry in ERP
15	Mr. G.D. Nimbalkar	General Science	Supporting staff for Data Entry in ERP

16	Mrs. K.P. Jagtap	Computer Engg.	Document Scanning
17	Mr. S.V. Bhosale	Principal Office	Document Scanning
18	Mr V.D. Bhoite	Principal Office	Document scanning
19	Mr. R.V.Kakade	Principal Office	Document Scanning
20	Mr. P.D.Ovekar	Library	Document Scanning
21	Mr. N.V. Jagtap	First Year Engg	Admission Form Sell
22	Mr. B.D. Vharghar	First Year Engg	Assistant

- **Score of the individual candidate admitted arranged in order or merit**

List as per below (List of candidate who have been offered admission)

- **List of candidate who have been offered admission**

Sr. No.	Branch	Application ID	Candidate Name	Category	Seat Type	Admission Date
1	Civil	191008430	BHOSALE INDRAJIT MAHENDRA	SEBC	IL	13/8/2019
2	Civil	191008445	SHREEYASH MORE	OPEN	IL	14/8/2019
3	Civil	191008383	GIRI OMKAR MADHAVRAO	NT 1 (NT-B)	IL	11/08/2019
4	Civil	191008449	GUNGE SOURABH ANIL	OBC	IL	19/8/2019
5	Civil	191008446	JADHAV PARTHRAJ SURESH	OPEN	IL	16/8/2019
6	Civil	191008484	SHINDE YASHODHAN AVINASH	SEBC	IL	28/8/2019
7	Civil	191008364	DURANDE AISHWARYA VILAS	SEBC	IL	11/8/2019
8	Civil	191008429	NIKAM AJAY KALYAN	SEBC	IL	13/8/2019
9	Civil	191008372	PATIL SANKET SURESH	SEBC	IL	11/8/2019
10	Civil	191008418	YADAV POOJA KANHAIYALAL	OPEN	IL	13/8/2019
11	Civil	191008485	DESHMUKH ABHIJEET BALASAHEB	SEBC	IL	28/8/2019
12	Civil	191008373	YASHRAJ WABLE	OPEN	IL	12/8/2019

1	<b>Mechanical</b>	191008448	BHOSALE HARSHAL SATISH	SEBC	IL	16/8/2019
2	Mechanical	191008363	BUDHABAL AKSHAY UDAY	OBC	IL	12/8/2019
3	Mechanical	191008355	VIVEK CHAUHAN	OPEN	IL	10/8/2019
4	Mechanical	191008441	DESHMUKH SANJIVANI TUKOJIRAO	OPEN	IL	14/8/2019
5	Mechanical	191008381	INGALE SHUBHAM NANDKUMAR	OPEN	IL	12/8/2019
6	Mechanical	191008422	JADHAV ARYAN GAUTAM	OPEN	IL	13/8/2019
7	Mechanical	191008419	LALWANI YASH AMIT	OPEN	IL	13/8/2019
8	Mechanical	191008438	PHALAKE SANCHIT SANJAY	OPEN	IL	14/8/2019
9	Mechanical	191008343	TAWARE SHAMBHURAJ AVINASH	SEBC	IL	10/8/2019
1	<b>Electrical</b>	191008421	GAIKWAD ADITYA RANJEET	SEBC	IL	13/8/2019
2	Electrical	191008379	GARDE NIKITA SUNIL	OBC	IL	11/8/2019
3	Electrical	191008425	KALE ARVIND MOTIRAM	NT 1 (NT-B)	IL	13/8/2019
4	Electrical	191008486	SHAIKH SAMIR GULAB	OBC	IL	29/8/2019
5	Electrical	191008195	MAHAJAN SHANTANU NAGNATH	OPEN	IL	16/8/2019
1	<b>Computer</b>	191008102	HINGANE SAKSHI AMOL	OBC	IL	19/7/2019
2	Computer	191008447	JOSHI ATHARVA MANISH	OPEN	IL	16/8/2019
3	Computer	191008348	JOSHI PRACHI KISHORKUMAR	OPEN	IL	10/8/2019
4	Computer	191008361	KAKADE ATHARV	OPEN	IL	11/8/2019

			MAKARAND			
5	Computer	191008350	KATE KIMAYA SUDHIR	OPEN	IL	10/8/2019
6	Computer	191008346	KHAMKAR ABHISHEK HANUMANT	SEBC	IL	10/8/2019
7	Computer	191008444	WALKE OMKAR YASHWANT	OBC	IL	16/8/2019
8	Computer	191008347	AMINABI MULLA	OPEN	IL	10/8/2019
9	Computer	191008345	NAYYAR BALRAM VIVEK	OPEN	IL	10/8/2019
10	Computer	191008098	PARKALE YASH JAGDISH	SEBC	IL	17/7/2019
11	Computer	191008090	PRASAD YOGESH SHELAR	OBC	IL	16/7/2019
12	Computer	191008377	SWAMI SIDDHESH AJIT	OBC	IL	12/8/2019
1	IT	191008386	CHAUDHARI RAHUL DEEPAK	OBC	IL	11/8/2019
2	IT	191008376	GADEKAR ROHAN BHAUSAHEB	OBC	IL	12/8/2019
3	IT	191008440	GAIKWAD SAMRUDDHI MAHESH	SEBC	IL	14/8/2019
4	IT	191008352	GURAV ATHARVA PRAVIN	OBC	IL	10/8/2019
5	IT	191008380	SHUBHAM JAGTAP	SEBC	IL	12/8/2019
6	IT	191008431	MORE PRATIKSHA PRATAP	OPEN	IL	14/8/2019

**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**

Sr. No.	Branch	Sanctioned Intake	Institute Level Quota	Actually Admitted	Vacant Inst. Quota
1	CIVIL	60	12	12	0
2	MECH	60	12	09	03
3	ELECT.	60	6	5	1
4	ENTC	120	0	0	0
5	COMP	60	12	12	0
6	IT	60	6	6	0
	<b>Total</b>	<b>420</b>	<b>48</b>	<b>44</b>	<b>04</b>

#### 10.21 Information of Infrastructure and Other Resources Available

Number of Class Rooms and size of each	<b>21 (66 Sq.M.)</b>
Number of Tutorial rooms and size of each	<b>5 (33 Sq.M.)</b>
Number of Laboratories and size of each	<b>56 (66 Sq.M.)</b>
Number of Drawing Halls with capacity of each	<b>01 (Capacity-100 Seats)</b>
Number of Computer Centers with capacity of each	<b>01 (Capacity-67 Seats)</b>
Central Examination Facility, Number of rooms and capacity of each	<b>Yes (70)</b>
Barrier Free Built Environment for disabled and elderly persons	<b>Yes</b>
Occupancy Certificate	<b>Yes</b>
Fire and Safety Certificate	<b>In Process</b>
<b>Hostel Facilities:</b>	<b>Yes</b>
<b>Boys Hostel</b>	
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	
<b>Girls Hostel Photo</b>	
Girls Hostel (A - Capacity - 408 students)	
Girls Hostel (B - Capacity - 420 students)	
Girls Hostel (C - Capacity - 186 students)	
Girls Hostel (D - Capacity - 490 students)	
Girls Hostel (E - Capacity - 128 students)	
Separate Dining Hall for Each Girls Hostel	

- **Library**
  - 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
<b>Under Graduate:</b>						
1	Computer Engineering	2064	5269	06	-	( IEEE + Springer Mechanical + ASCE packages (common for all departments)
2	Information Technology	1139	3140	06	-	
3	Elect. & Telecom. Engineering	1763	5682	06	-	
4	Mechanical Engineering	1682	4692	06	-	
5	Civil Engineering	1238	4157	06	-	
6	Electrical Engineering	700	1717	06	-	
7	General Science & Engineering	783	2200	00	-	
8	General books	2026	2438	02	-	
<b>Post Graduate:</b>						
1	Computer Engineering	187	428	06	06	

2	Electronics – Digital System	208	340	06	06	
3	Mechanical – Energy Eng.	134	175	06	06	
4	Mechanical – Design Eng.	193	251			
5	Civil - Structural Eng.	159	251	06	06	
Total		11989	30314	62	24	412

• **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 Barcode Technology for transactions of books. The Library has a pool of 15 machines connected to internet for surfing worldwide Knowledge Ocean, with good number of CD-ROMs along with books.

Various important professional journals are accessible to staff and students. Library and Reading Hall has capacity to accommodate 1/3 of total student’s strength.

During Preparation Period and Examinations, over 350 students take advantage of Library reading room facilities.



**Services:**

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

• **Laboratory and Workshop -**

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

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
	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

	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
<b>Civil</b>	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 rebind 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++
	FLUID MECHANICS LAB-CIVIL	Wind Tunnel, Impact of jet apparatus
<b>Mechanical</b>	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, Penske Martins Flash Point Apparatus & Electrical Analogy Apparatus, Hydraulic Bench Model, Hydrostatic Bench, Reynolds Apparatus, Modified Bernoulli's Theorem Apparatus.
	MECHATRONICS AND AUTOMATION LAB-MECH	Pneumatic Trainer. Heat Exchanger Hydraulic Trainer, Level & Flow Control Trainer, LVDT.
	MATERIAL TESTING LAB	Universal Testing Machine (400KN), Izod Impact Tester
	DYNAMICS OF MACHINERY AND THEORY OF MACHINERY LAB	Universal Vibration Machine, Motorized Gyroscope, Static and Dynamics Balancing , Whirling speed of Shaft.
	STEAM POWER PLANT LAB	Power Plant with Boiler Inclusive of Steam turbine, Generator, Condenser, feed Pump, Throttling unit, Separator,
	TURBO MACHINES LAB	Pelton Wheel Set-up, Francis Turbine Set-up, Centrifugal Pump Set-up, Impact of Jet Apparatus, Gear Pump Test Rig , Reciprocating Pump Test Rig
	MECHANICAL CAD LAB	Computers i3 -25 Quantity, i5: 21 Quantity, Software's-ANSYS, Solid Works, Solid Edge, Master CAM, Auto Cad, MSC-Nastran.
	PG I C ENGINE LAB	VCR Engine Test Rig, Computerized Diesel and Petrol Engine Test Rig, Exhaust Gas Analyzer
	PG 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.	

<b>Electric al</b>	ELECTRICAL MACHINES II	"Three Phase Induction Motor - 5 kW Three Phase Alternator- 3.5 kVA Three Phase Synchronous Motor
	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 Phase transformer.
	COMPUTER LAB (ELECT.) & MICROCONTROLLER LAB	25 Computers MATLAB ( 8 Users) PSIM(5 user), ETAP ( 10 user), SPJ-STK-PIC evaluation board (10), Ultralite PIC evaluation protoboard (1)
	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
	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
<b>E&amp;TC</b>	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,
	PG RESEARCH LAB	computers ASUS d50010mt i5-4460 desktop, MATLAB 19b 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.
<b>Compu ter</b>	DATA BASE SYSTEM LAB-COMPUTER	Computers:- HP 202 G2 i3 , Qty 20. Switch, Printer, Projector
	PROGRAMMING LAB-COMPUTER	Comp.LENOVO P IV: 19 Qty., Printers, Network Switches, Patch panel,
	ADVANCED NETWORK LAB-COMPUTER	Computers-Dell OptiPlex 390 DT i3, HP i5 202G2 20 Qty., Switch, Patch Panel
	OPERATING SYSTEM LAB-COMPUTER	Computers-Dell OptiPlex 3010D i5: 20 Qty.Beagle Bone,Arm Coretx A9 Development Kit,Switch, Patch Panel
	PROJECT LAB-	Computers; ASUS D510MT i5 Qty 20 Switch, patch Panel

	COMPUTER	
	PARALLEL COMPUTING LAB-COMPUTER	Computers- DELL OPTIPLEX -390 INTEL CORE I3, 20 Qty
	PG LAB-COMPUTER	Computers; ASUS D510MT i5 Qty 10 Switch, patch Panel
IT	DIGITAL LABORATORY-2	Computers Terminals i5 - 20 Nos., RACK, Patch Panel
	NETWORK LABORATORY	Computers Terminals i3 - 20 Nos., RACK, Patch Panel
	SOFTWARE LABORATORY	Computers i-5 : 20 Qty., Switch
	SOFTWARE DEVELOPMENT LAB.	Computers i-5 : 21 Nos., Printer, Projector
	INFORMATION TECHNOLOGY LAB.	Computers i-5 : 21 Qty, RACK & Patch Panel

- List of Experimental Setup in each Laboratory/ Workshop

Dept.	Name of the Laboratory	List of Experimental Setup
First Year	LANGUAGE LAB	Drill on Listening Skills, Practice on Puzzles in “Tell Me More” Software, Drill on Speaking Skills with 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 MENGINEERING LAB	All experiments are study experiments. No experimental set up for this lab.
	PHYSICS LAB	1) Newton's Ring Experiment setup 2) Plane diffraction grating for determination of wavelength setup 3) Ultrasonic Interferometer setup 4) Band gap of a semiconductor setup. 5) Solar cell setup. 6) Basic Laser based experiment setup. 7) Absorption coefficient of sound setup 8) Half Shade Polarimeter setup. 9) Malus Law setup 10) Brewster angle apparatus setup 11) Refractive index setup
	CHEMISTRY LAB	1. Titration experiments setup: Hardness of water by EDTA method and alkalinity of water. 2. pH meter setup: for determining pH 3. Colorimeter set up: for finding $\lambda_{max}$ , to verify Beer's law and find concentration of given sample. 4. Conductivity meter set up: for finding conductance. 5. Ostwald's Viscometer setup for finding molecular weight of a polymer in solution form. 6. To Oven and Muffle furnace set up for coal analysis
Civil	ENVIRONMENTAL ENGINEERING LAB-CIVIL	Microcontroller Conductivity/TDS Analyzer BOD Incubator UV Spectro –photometer Digital Flame photometer
	TRANSPORTATION ENGINEERING LAB-	Ductility testing machine

	CIVIL	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
<b>Mechanical</b>	HEAT TRANSFER AND REFRIGERATION AND AIR CONDITIONING LAB	1. Determination of heat transfer coefficient in natural convection. 2. Determination of heat transfer coefficient in forced convection. 3. Determination of thermal conductivity of metal rod. 4. Determination of thermal conductivity of composite wall. 5. Determination of Stefan-Boltzmann Constant. 6. Determination of temperature distribution, fin efficiency in forced convection. 7. Test on ice plant test rig, 8. Test on vapour absorption refrigeration test rig. 9. Test on air conditioning test rig.
	METALLURGY AND QUALITY CONTROL LAB	1. Calibration of measuring instrument. 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

	<p>linear and angular dimensions of given part, (MSA: Gauge R &amp; R), comparator.</p> <p>4. Machine tool alignment testing on machine tool – Lathe machine.</p> <p>5. Demonstration of surfaces inspection using optical flat, To measure major diameter, minor diameter and pitch of screw thread using Profile.</p> <p>6. Measurements of thread parameters using Floating Carriage diameter measuring Machine.</p> <p>7. Demonstration of specimen preparation for microscopic examination.</p> <p>8. Drawing of Microstructure of steels of various compositions,</p> <p>9. Heat treatment of Plain Carbon Steel and determination of relative hardness,</p> <p>10. Drawing of Microstructure of Heat Affected Zone in Welding.</p>
THERMODYNAMICS LAB & FLUID MECHANICS LAB	<p>11. Determination of flash point temperature of given liquid fuel.</p> <p>2. Determination of pour point and cloud point temperature of give oil.</p> <p>3. Determination of calorific value of given solid fuel using Bomb calorimeter.</p> <p>4. Determination of calorific value of given gaseous fuel using gas calorimeter.</p> <p>5. Pressure measurement using any two types of manometer.</p> <p>6. Determination of viscosity of liquids and its variation with temperature.</p> <p>7. Determination of metacentric height of floating object.</p> <p>8. Laminar and Turbulent flow by Reynolds's apparatus.</p> <p>9. Draw flow net using electrical analogy apparatus.</p> <p>10. Verification of modified Bernoulli's equation.</p> <p>11. Calibration of Venturimeter.</p> <p>12. Calibration of V-notch.</p> <p>13. Determination of minor losses due to pipe fittings.</p>
MECHATRONICS AND AUTOMATION LAB-MECH	<p>1. Measurement of displacement using LVDT characteristics.</p> <p>2. Real Time Temperature / Flow Control using PID Control system.</p> <p>3. Experiments to be done on hydraulic trainer.</p> <p>4. Experiments to be done on pneumatic trainer.</p> <p>5. Test on pressure relief valve/flow control valve.</p> <p>6. Test on linear /rotary actuator.</p>
MATERIAL TESTING LAB	<p>1. Tensile Test for ductile &amp; brittle material,</p> <p>2. Shear test of Ductile material on Universal Testing Machine.</p>
DYNAMICS OF MACHINERY AND THEORY OF MACHINERY LAB	<p>1. To study manufacturing of gear using gear generation with rack as a cutter and to generate involute profile,</p> <p>2. Speed and torque analysis of epicyclic gear train to determine, holding torque.</p> <p>3. To verify Cam jump phenomenon,</p> <p>4. To determine the active gyroscopic</p>

	<p>couple on a spinning disc and verify the gyroscopic effect,</p> <p>5. To determine experimentally the mass moment of inertia of a flat bar using bifilar suspension method.</p> <p>6. To determine experimentally the mass moment of inertia of a disc using trifilar suspension method.</p> <p>7. Balancing of wheel / rotor on computerized balancing machine.</p> <p>8. To determine the natural frequency of damped vibration of single degree freedom system and to find it's damping coefficient.</p> <p>9. To obtain frequency response curves of single degree freedom system of vibration for different amount of damping.</p> <p>10. To verify natural frequency of torsional vibration of two rotor system and position of node.</p> <p>11. To determine natural frequency of transverse vibration of beam using vibration analyzer. (Vibration Measurement by FFT analyzer).</p>
STEAM POWER PLANT LAB	<p>1. Determination of dryness fraction of steam,</p> <p>2. Trial on boiler to determine boiler efficiency, equivalent evaporation and Energy balance,</p> <p>3. Trial on steam power plant to determine plant efficiency</p>
TURBO MACHINES LAB	<p>1. Study and trial on Pelton Wheel Set-up</p> <p>2. Study and trial on Francis Turbine Set-up</p> <p>3. Study and trial on Centrifugal Pump Set-up</p> <p>4. Verification of Impulse Momentum Principle by Impact of Jet Apparatus</p> <p>5. Gear Pump Test Rig</p> <p>6. Reciprocating Pump Test Rig</p>
CAD LAB	<p>1. Static stress concentration factor calculation for a plate with center hole subjected to axial loading</p> <p>2. Stress and deflection analysis of any machine component consisting of 3-D elements using FEA,</p> <p>3. Modal analysis of any machine component using FEA software.</p> <p>4. 2D Forced convection problem using FEA software,</p> <p>5. Elasto-plastic analysis of a tensile test specimen using FEM software,</p> <p>6. Contact stress analysis using FEM software tension using FEA software</p>
PG I C ENGINE LAB	<p>1. Morse Test on Multi cylinder Petrol/ Diesel engine for determination of Friction power.</p> <p>2. Variable load test on diesel engine to determine various efficiencies, SFC and Heat balance sheet.</p> <p>3. Test on variable compression ratio engine,</p>

		<p>4. Test on Positive Displacement Air Compressor,</p> <p>5. Demonstration of Exhaust Gas Analyzer</p>
	PG VIBRATION AND MECHANICS LAB	<p>1. Determine basic engineering properties such as E- Young's Modulus, <math>\nu</math>- Poisson's ratio, G- Shear modulus.</p> <p>2. To determine stress concentration factor in a tension like specimen having a circular hole at center.</p> <p>3. Experiment to determine deflections in a rectangular beam. Experiment to determine multi axial stresses in a hollow pressurized cylinder.</p> <p>4. Experiment to determine bending stresses in a Al-Steel Composite beam,</p> <p>5. Experiment to determine the buckling critical load in columns of various lengths.</p> <p>6. Experiment to determine stresses in a beam subjected to Dynamic load.</p> <p>7. Experiments to determine spring constant and natural frequency under different masses. Also to study the effect of initial conditions on natural frequencies.</p> <p>8. To determine mass moment of inertia of a complicated mass about its rotating axis and about its centroidal axis.</p> <p>9. Trifilar Disk to determine mass moment of inertia of automobile or airplane</p>
	Workshop (MS)-UG	<p>1. Manufacturing of any one assembly consisting of minimum two components and involving all the lathe operations,</p> <p>2. Manufacture of spur gear on milling machine using indexing head.</p> <p>3. Surface grinding using table grinder,</p> <p>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>
	Workshop - Fitting, Carpentry,	<p>1. Carpentry Job: Half Lap Joint (T, Dovetail),</p> <p>2. Job on TIG/ MIG/ Resistance welding,</p> <p>3. Welding: T Joint, Corner Joint and Lap Joint,</p> <p>4. Welding : Butt Joint,</p> <p>5. Sheet Metal (processes involving cutting, bending, punching and drawing)</p> <p>6. Metal Tray,</p> <p>7. T- Duct Joint,</p> <p>8. Manufacturing any one sheet metal component involving minimum three different operation (use dies and press).</p>

		9. Fitting Job: T-Joint , V-Joint, Radius Fitting, Dovetail Fitting
Electrical	ELECTRICAL MACHINES II	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, 100 A Rectifier Unit
	ELECTRICAL MACHINES I AND EMI LAB	3 Ph induction motor setup, 3 Ph alternator setup, 3 Ph 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	"25 Computers MATLAB (Users) PSIM ETAP SPJ-STK-PIC evaluation board (10) Ultralite PIC evaluation
	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	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  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- $\phi$ half controlled drive 1- $\phi$ full controlled drive 3- $\phi$ full controlled drive 3- $\phi$ half controlled drive 3- $\phi$ voltage source inverter 20 Amp Auto Transformer Three Phase Air cooled Enclosed Type FLUKE Make three phase Power Quality and Energy Analyzer
	PLC AND SCADA LAB & CONTROL SYSTEM LAB	PLC kit, SCADA Software, Synchro-Modelling TF, AC servo motor, PI, PID Controller, Compensator
E&TC	SOLID STATE DEVICES	<b>Electronic Circuit Experimental setup:</b> 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	<b>Digital Circuits Experimental setup:</b> 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	<b>Radiation and Microwave Techniques: Experimental setup</b> 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, <b>Broadband Communication system Experimental Setup:</b> Measurements of Numerical Aperture of Fiber cable, measurement of attenuation of fiber cable, setup digital link, setup audio and video satellite link.
COMMUNICATION SYSTEMS	<b>Analog communication Experimental setup:</b> 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. <b>Digital communication Experimental setup:</b> 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	<b>Audio and Video Engineering experimental Setup:</b> 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, <b>Mechatronics Experimental Setup:</b> 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	<b>Integrated Circuits Experimental Setup:</b> Measure OPAMP parameters, Design and test Integrator, differentiator, Precision Rectifiers, Schmitt trigger, OpAmp Instrumentation Amplifier, 2bit DAC, 2bit ADC, Waveform generation <b>Power Electronics Experimental Setup:</b> 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	<b>DSP and Signal system Experimental Setup:</b> Matlab 19b is available to conduct following experiments To verify the properties of DFT of signal, To find circular convolution of signals, to find Z transform and Inverse Z transforms, To study LPF, HPF and Butterworth filters , study IIR filters, study DCT and IDCT of signals, study Bandpass filters.
	VLSI AND EMBEDDED SYSTEM	<b>Advanced Processor experimental Setup:</b> 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. <b>VLSI Design Technology Experimental Setup:</b> 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,
	PG RESEARCH LAB	Computers Asus d50010mt I5-4460 Desktop, Matlab Software ,
	PROJECT LAB	<b>Experimental setup :</b> 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.
Computer	DATA BASE SYSTEM LAB-COMPUTER	<b>Operating Systems:</b> Windows 7 (32 Bit), Ubuntu 16.04 LTS <b>Application Software:</b> <b>Windows:</b> Microsoft Office 2007,Adobe Reader 9, Matlab, Editplus, Netbeans. <b>Ubuntu:</b> G++, GCC, Eclipse for C.
	PROGRAMMING LAB-COMPUTER	Graphics Card, <b>Operating Systems:</b> Windows 10 (32 Bit), Ubuntu 16.04 LTS <b>Application Software:</b> <b>Windows:</b> Microsoft Office 2007,Adobe Reader 9, Editplus, Netbeans. <b>Ubuntu:</b> G++, GCC, Eclipse for C.
	ADVANCED NETWORK LAB-COMPUTER	<b>Operating Systems:</b> Windows 7 (32 Bit), Ubuntu 16.04 LTS <b>Application Software:</b> <b>Windows:</b> Microsoft Office 2007,Adobe Reader 9, Matlab, Editplus, Netbeans.,MySql <b>Ubuntu:</b> G++, GCC, Eclipse for C.
	OPERATING SYSTEM LAB-COMPUTER	Beagle Bone, Arm Coretwx A9 Development Kit, <b>Operating Systems:</b>

		Windows 7 (32 Bit), Ubuntu 16.04 LTS <b>Application Software:</b> <b>Windows:</b> Microsoft Office 2007, Adobe Reader 9, Matlab, Editplus, NetBeans. <b>Ubuntu:</b> G++, GCC, Eclipse for C.
	PROJECT LAB-COMPUTER	<b>Operating Systems:</b> Windows 7 (32 Bit), Ubuntu 16.04 LTS <b>Application Software:</b> <b>Windows:</b> Microsoft Office 2007, Adobe Reader 9, Matlab, Editplus, NetBeans. <b>Ubuntu:</b> G++, GCC, Eclipse for C.
	PARALLEL COMPUTING LAB-COMPUTER	<b>Operating Systems:</b> Windows 7 (32 Bit), Ubuntu 16.04 LTS <b>Application Software:</b> <b>Windows:</b> Microsoft Office 2007, Adobe Reader 9, Matlab, Editplus, NetBeans. <b>Ubuntu:</b> G++, GCC, Eclipse for C.
	PG LAB-COMPUTER	<b>Operating Systems:</b> Windows 7 (32 Bit), Ubuntu 16.04 LTS <b>Application Software:</b> <b>Windows:</b> Microsoft Office 2007, Adobe Reader 9, Matlab, Editplus, NetBeans, TASM, RIDE, Flas Magic, Mysql, Xampp, MongoDB, JAVA, Tablue, R studio, Weka, Snort, Wireshark ,Latex
IT	DIGITAL LABORATORY-2	<b>Operating Systems:</b> Windows 7 (32 Bit), Ubuntu 16.04 LTS <b>Application Software:</b> <b>Windows:</b> Microsoft Office 2007, Adobe Reader 9, Matlab, Editplus, NetBeans. <b>Ubuntu:</b> G++, GCC, Eclipse for C.
	NETWORK LABORATORY	<b>Operating Systems:</b> Windows 7 (32 Bit), Ubuntu 16.04 LTS <b>Application Software:</b> <b>Windows:</b> Microsoft Office 2007, Adobe Reader 9, Matlab, Editplus, NetBeans, TASM, RIDE, Flas Magic, Mysql, Xampp, MongoDB, JAVA, Tablue, R, Rstudio, Weka, Snort, Wireshark <b>Ubuntu:</b> G++, GCC, Eclipse for Java, Hadoop, Hbase, Hive, OpenGL, Mysql, MongoDB, Lex & Yacc Tool, NetBeans
	SOFTWARE LABORATORY	<b>Operating systems:</b> Windows 7 (32 Bit), Ubuntu 16.04 LTS <b>Application Software:</b> <b>Windows:</b> Microsoft Office 2007, Adobe Reader 9, Wireshark, Packet Tracer <b>Ubuntu:</b> G++, GCC, Eclipse.
	SOFTWARE DEVELOPMENT LAB.	<b>Operating systems:</b> Windows 7 (32 Bit), Ubuntu 16.04 LTS <b>Application Software:</b> <b>Windows:</b> Microsoft Office 2007, Adobe Reader 9, Matlab, Editplus, NetBeans, TASM, RIDE, Flas Magic, Mysql, Xampp, MongoDB, JAVA, Tablue, R, Rstudio, Weka, Snort, Wireshark <b>Ubuntu:</b> G++, GCC, Eclipse for Java, Hadoop, Hbase, Hive, OpenGL, Mysql, MongoDB, Lex & Yacc Tool, NetBeans
	INFORMATION TECHNOLOGY LAB.	<b>Operating Systems:</b> Windows 7 (32 Bit), Ubuntu 16.04 LTS <b>Application Software:</b> <b>Windows:</b> Microsoft Office 2007, Adobe Reader 9, Matlab, Editplus, NetBeans, TASM, RIDE, Flas Magic, Mysql, Xampp, MongoDB, JAVA, Tablue, R, Rstudio,

		Weka, Snort, Wireshark <b>Ubuntu:</b> G++, GCC, Eclipse for Java, Hadoop, Hbase, Hive, OpenGL, Mysql, MongoDB, Lex & Yacc Tool, NetBeans
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- Computing Facilities:**

- Internet Bandwidth : **103 Mbps**
- Number and configuration of System:

Sr. No.	Make & Model No.	Total Inward
1	Wipro make 2.4 GHz	14
2	Wipro Xeon Server	1
3	Wipro 2.8 GHz	26
4	IBM AIX Server	1
5	Wipro 3.4 GHz	10
6	Lenovo 2.8 GHz	69
7	Lenovo 3.4 GHz	13
8	DELL VOSTRO 430	2
9	DELL OPTIPLEX 980 i3	26
10	DELL OPTIPLEX 980 i3	24
11	DELL OPTIPLEX 390 i3	25
12	HP Pro 7100, Inter Core i5-	20
13	HP Pro 3330, Inter Core i3	15
14	DELL OPTIPLEX 390 DT , Intel Core i3	35
15	Desktops DELL OptiPlex(TM) 3010 DT i3	50
16	Desktops DELL OptiPlex(TM) 3010 DT i5	50
17	HP Proliant ML110 (Server)	1
18	DELL Poweredge R210 (Server)	1
19	HP 202 G2 MT Desktop i5	50
20	HP 202 G2 MT Desktop i3	40
21	Desktop ASUS Make D510MT i5	65
22	HP 406 G1 MT i5 Desktop	1
23	N computing NL 300+ Think client	40
24	HP Proliant DL 60 GN9 Server	2
25	Dell Optiplex 3046 MT	25

- Total number of system connected by LAN : **595**
- Total number of system connected by WAN : **565**

- Major software Packages available**

Category of Product	Product Details
Developer Tools(7)	
1	Azure DevOps Server 2019
2	Visual Studio Professional 2017
3	Visual Studio Professional 2019
4	Visual Studio Team Foundation Server 2018
5	Visual Studio Team Foundation Server 2018 with Update 1
6	Visual Studio Team Foundation Server 2018 with Update 2
7	Visual Studio Team Foundation Server 2018 with Update 3

Office(23)	
1	Lync for Mac 2011
2	Office 2007 Suites
3	Office 2016 for Mac Standard
4	Office 2019 for Mac Standard
5	Office Audit and Control Management Server 2013
6	Office Multilanguage Pack 2010 (By Language)
7	Office Multilanguage Pack 2010 w/Proofing Tools (All Languages)
8	Office Multilanguage Pack 2013 (By Language)
9	Office Multilanguage Pack 2013 w/ Proofing Tools (All Languages)
10	Office Multilanguage Pack 2013 w/ Proofing Tools with SP1 (All Language)
11	Office Multilanguage Pack 2013 with SP1 (By Language)
12	Office Professional Plus 2010
13	Office Professional Plus 2010 Key Management Service Host
14	Office Professional Plus 2010 Service Pack 1
15	Office Professional Plus 2010 Service Pack 2
16	Office Professional Plus 2010 with SP1
17	Office Professional Plus 2010 with SP2
18	Office Professional Plus 2013
19	Office Professional Plus 2013 Key Management Service Host
20	Office Professional Plus 2013 with SP1
21	Office Professional Plus 2016
22	Office Professional Plus 2016 Key Management Service Host
23	Office Professional Plus 2019
Servers(30)	

1	Forefront EndPoint Protection 2010 with Update Rollup 1
2	Microsoft Identity Manager 2016
3	Microsoft Identity Manager 2016 SP1
4	Microsoft Identity Manager 2016 with SP1

5	SQL Server 2014 Standard Edition – Server/CAL
6	SQL Server 2014 Standard Edition SP2 - Server/CAL
7	SQL Server 2014 Standard Edition SP3 - Server/CAL
8	SQL Server 2014 Standard Edition with SP1 – Server/CAL
9	SQL Server 2014 Standard Edition with SP2 - Server/CAL
10	SQL Server 2014 Standard Edition with SP3 - Server/CAL
11	SQL Server 2016 Standard Edition – Server/CAL
12	SQL Server 2016 Standard Edition SP1 - Per Server/CAL
13	SQL Server 2016 Standard Edition SP2 - Per Server/CAL
14	SQL Server 2016 Standard Edition with SP1 - Per Server/CAL
15	SQL Server 2016 Standard Edition with SP2 - Per Server/CAL
16	SQL Server 2017 Standard Edition - Server/CAL
17	System Center 2012 Config Mgr Client Mgmt License
18	System Center 2012 Config Mgr Client Mgmt License with Service Pack 1
19	System Center 2012 Config Mgr Client Mgmt License with Service Pack 2
20	System Center 2012 Endpoint Protection
21	System Center 2012 Endpoint Protection with Service Pack 1
22	System Center 2012 Endpoint Protection with Service Pack 2
23	System Center 2012 R2 Config Mgr Client Mgmt License
24	System Center 2012 R2 Config Mgr Client Mgmt License with Service Pack 1
25	System Center 2012 R2 Endpoint Protection
26	System Center 2012 R2 Endpoint Protection with Service Pack 1
27	System Center Config Mgr (current branch)
28	System Center Configuration Manager Server 2007 Service Pack 2
29	System Center Configuration Manager Server 2007 with SP2
30	System Center Endpoint Protection (current branch)

Software Assurance(52)	
1	Microsoft Desktop Optimization Pack for Software Assurance 2014 R2
2	Microsoft Desktop Optimization Pack for Software Assurance 2015
3	Windows 10 Education
4	Windows 10 Education Features on Demand
5	Windows 10 Education KN
6	Windows 10 Education Language Pack
7	Windows 10 Education N
8	Windows 10 Enterprise
9	Windows 10 Enterprise 2015 LTSB

10	Windows 10 Enterprise 2015 LTSB Features on Demand
11	Windows 10 Enterprise 2015 LTSB Language Pack
12	Windows 10 Enterprise 2016 LTSB
13	Windows 10 Enterprise 2016 LTSB Features on Demand
14	Windows 10 Enterprise 2016 LTSB Language Pack
15	Windows 10 Enterprise Features on Demand
16	Windows 10 Enterprise KN
17	Windows 10 Enterprise KN 2015 LTSB
18	Windows 10 Enterprise Language Pack
19	Windows 10 Enterprise N
20	Windows 10 Enterprise N 2015 LTSB
21	Windows 10 Enterprise N 2016 LTSB
22	Windows 10 Inbox Apps
23	Windows 10 Pro N / Windows 10 Pro N for Workstations
24	Windows 10 Pro/Windows 10 Pro for Workstations

25	Windows 10 Professional Features on Demand
26	Windows 10 Professional KN
27	Windows 10 Professional Language Pack
28	Windows 7 Enterprise
29	Windows 7 Enterprise K
30	Windows 7 Enterprise K Upgrade
31	Windows 7 Enterprise K Upgrade with SP1
32	Windows 7 Enterprise K with SP1
33	Windows 7 Enterprise KN
34	Windows 7 Enterprise KN Upgrade
35	Windows 7 Enterprise KN Upgrade with SP1
36	Windows 7 Enterprise KN with SP1
37	Windows 7 Enterprise N
38	Windows 7 Enterprise N Upgrade
39	Windows 7 Enterprise N Upgrade with SP1
40	Windows 7 Enterprise N with SP1
41	Windows 7 Enterprise Service Pack 1
42	Windows 7 Enterprise Upgrade
43	Windows 7 Enterprise Upgrade with SP1
44	Windows 7 Enterprise with SP1
45	Windows 7 Language Packs
46	Windows 7 Language Packs with SP1
47	Windows 8.1 Enterprise
48	Windows 8.1 Enterprise K
49	Windows 8.1 Enterprise KN
50	Windows 8.1 Enterprise Language Pack

51	Windows 8.1 Enterprise N
52	Windows Thin PC
Windows(85	
1	Microsoft Desktop Optimization Pack for Software Assurance 2014 R2
2	Microsoft Desktop Optimization Pack for Software Assurance 2015
3	Windows 10 Education
4	Windows 10 Education Features on Demand
5	Windows 10 Education KN
6	Windows 10 Education Language Pack
7	Windows 10 Education N
8	Windows 10 Enterprise
9	Windows 10 Enterprise 2015 LTSB
10	Windows 10 Enterprise 2015 LTSB Features on Demand
11	Windows 10 Enterprise 2015 LTSB Language Pack
12	Windows 10 Enterprise 2016 LTSB
13	Windows 10 Enterprise 2016 LTSB Features on Demand
14	Windows 10 Enterprise 2016 LTSB Language Pack
15	Windows 10 Enterprise Features on Demand
16	Windows 10 Enterprise KN
17	Windows 10 Enterprise KN 2015 LTSB
18	Windows 10 Enterprise Language Pack
19	Windows 10 Enterprise LTSC 2019
20	Windows 10 Enterprise LTSC 2019 Features on Demand
21	Windows 10 Enterprise LTSC 2019 Inbox Apps
22	Windows 10 Enterprise LTSC 2019 Language Pack
23	Windows 10 Enterprise N

24	Windows 10 Enterprise N 2015 LTSB
25	Windows 10 Enterprise N 2016 LTSB
26	Windows 10 Enterprise N LTSC 2019
27	Windows 10 Inbox Apps
28	Windows 10 Pro N / Windows 10 Pro N for Workstations
29	Windows 10 Pro/Windows 10 Pro for Workstations
30	Windows 10 Professional Features on Demand
31	Windows 10 Professional KN
32	Windows 10 Professional Language Pack
33	Windows 7 Enterprise
34	Windows 7 Enterprise K
35	Windows 7 Enterprise K Upgrade
36	Windows 7 Enterprise K Upgrade with SP1
37	Windows 7 Enterprise K with SP1
38	Windows 7 Enterprise KN
39	Windows 7 Enterprise KN Upgrade
40	Windows 7 Enterprise KN Upgrade with SP1
41	Windows 7 Enterprise KN with SP1
42	Windows 7 Enterprise N
43	Windows 7 Enterprise N Upgrade
44	Windows 7 Enterprise N Upgrade with SP1
45	Windows 7 Enterprise N with SP1
46	Windows 7 Enterprise Service Pack 1
47	Windows 7 Enterprise Upgrade
48	Windows 7 Enterprise Upgrade with SP1
49	Windows 7 Enterprise with SP1

50	Windows 7 Local Pack
51	Windows 7 Professional
52	Windows 7 Professional K
53	Windows 7 Professional K Upgrade
54	Windows 7 Professional K Upgrade with SP1
55	Windows 7 Professional K with SP1
56	Windows 7 Professional KN
57	Windows 7 Professional KN Upgrade
58	Windows 7 Professional KN Upgrade with SP1
59	Windows 7 Professional KN with SP1
60	Windows 7 Professional N
61	Windows 7 Professional N Upgrade
62	Windows 7 Professional N Upgrade with SP1
63	Windows 7 Professional N with SP1
64	Windows 7 Professional Service Pack 1
65	Windows 7 Professional Upgrade
66	Windows 7 Professional Upgrade with SP1
67	Windows 7 Professional with SP1
68	Windows 8.1 Enterprise
69	Windows 8.1 Enterprise K
70	Windows 8.1 Enterprise KN
71	Windows 8.1 Enterprise Language Pack
72	Windows 8.1 Enterprise N
73	Windows 8.1 Pro
74	Windows 8.1 Pro K
75	Windows 8.1 Pro KN

76	Windows 8.1 Pro Language Pack
77	Windows 8.1 Pro N
78	Windows Embedded 8.1 Industry Enterprise
79	Windows Embedded 8.1 Industry Pro
80	Windows Embedded POSReady 7
81	Windows Vista - KMS
82	Windows Vista - MAK
83	Windows XP Prof, x64 Ed.
84	Windows XP Professional
85	Windows XP Tablet PC Edition
Windows Server(38)	
1	Forefront Identity Manager 2010 R2
2	Forefront Identity Manager 2010 R2 with SP1
3	Win SBS Std/Essentials 2011 MAK
4	Win Srv 2008 Data Ctr/Itan KMS C
5	Win Srv 2008 Data Ctr/Itan MAK C
6	Win Srv 2008 R2 Data Ctr/Itan KMS C
7	Windows HPC Server OS 2008 R2
8	Windows HPC Server OS 2008 R2 with SP2
9	Windows Server 2003 R2, x32 Ed.
10	Windows Server 2003 R2, x64 Ed.
11	Windows Server 2008 Std/Ent KMS B
12	Windows Server 2008 Std/Ent MAK B
13	Windows Server 2012 Essentials
14	Windows Server 2012 Language Pack
15	Windows Server 2012 R2 Essentials

16	Windows Server 2012 R2 Language Pack
17	Windows Server 2012 R2 Standard
18	Windows Server 2012 Standard
19	Windows Server 2016 Essentials
20	Windows Server 2016 Language Pack
21	Windows Server 2016 Standard
22	Windows Server 2019 Essentials
23	Windows Server 2019 Language Pack
24	Windows Server 2019 Standard
25	Windows Server Enterprise 2008 R2
26	Windows Server Enterprise 2008 R2 Service Pack 1
27	Windows Server Enterprise 2008 R2 with SP1
28	Windows Server Features on Demand
29	Windows Server Standard
30	Windows Server Standard 2008 R2
31	Windows Server Standard 2008 R2 Service Pack 1
32	Windows Server Standard 2008 R2 with SP1
33	Windows Srv 2008R2 Data Ctr/Itanium - MAK C
34	Windows Web Server 2008 R2
35	Windows Web Server 2008 R2 Service Pack 1
36	Windows Web Server 2008 R2 with SP1
37	Windows Web/HPC Srv 2008 KMS A
38	Windows Web/HPC Srv 2008 MAK A

- Major softwares tools available in the Departmet

Sr. No.	Name of Department	List of softwares
1	Mechanical Engineering	• Solid Works

		<ul style="list-style-type: none"> <li>• Solid Edge</li> <li>• Auto CAD</li> <li>• Master CAM</li> <li>• MSC Nastran</li> <li>• ANSYS 13</li> <li>• Gate Tutor</li> </ul>
2	Electrical Engineering	<ul style="list-style-type: none"> <li>• Matlab</li> <li>• E-Tap</li> <li>• PLC ALLEN breadly _RS Logix 500</li> </ul>
3	E. & TC. Engineering	<ul style="list-style-type: none"> <li>• MATLAB</li> <li>• Microwind 3</li> <li>• Xilinx ISE 8.2i</li> <li>• Mentor Graphic's EDA tools</li> <li>• Proteus</li> <li>• Optiwave</li> <li>• Code composer studio</li> <li>• Muitsim</li> <li>• Gate Tutor</li> </ul>
4	Civil Engineering	<ul style="list-style-type: none"> <li>• Super Civil CD</li> <li>• SSF</li> <li>• QTY</li> <li>• ROADS</li> <li>• Super Real Valuation</li> <li>• RCF</li> <li>• 2D Frame Analysis</li> <li>• Road Estimate</li> <li>• RAF</li> <li>• GRAM++ GIS Version 2.0 E Tubler for GIS</li> <li>• ETABS and SAP 2000</li> <li>• MATLAB</li> </ul>
5	Computer Engineering	<ul style="list-style-type: none"> <li>• Netbeans (JDK 1.8)</li> <li>• Eclipse</li> <li>• MongoDB</li> <li>• MySQL</li> <li>• Weka</li> <li>• Anaconda (Python Editors)</li> <li>• R-Studio</li> <li>• Weka</li> <li>• MATLAB</li> <li>• Open Source software on Ubuntu OS : gcc,g++, LibreOffice etc.</li> </ul>
6	Information Technology	<ul style="list-style-type: none"> <li>• C/C++</li> <li>• Java</li> <li>• Python2.7</li> <li>• Tensorflow &amp; Pytorch</li> <li>• R programming</li> <li>• Weka</li> <li>• MySQL</li> <li>• ASP.NET</li> <li>• Hadoop</li> <li>• Netbeans</li> <li>• Eclipse</li> <li>• MongoDB</li> </ul>
7	General science Engineering	<ul style="list-style-type: none"> <li>• Matlab</li> <li>• Tell me more</li> <li>• Auto CAD</li> </ul>

- **Special purpose facilities available**

- 103 Mbps (1:1) Dedicated Internet Leased Line Facility
- Wired & Wi-Fi Facility

- NPTEL Video Server
- G-Suite E-mail Facility to Faculties, Staff Member's & Students

## 10.22 Proposals Submitted to National Agencies

- **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 Compositing Feedstock Derived From Sugarcane and Cow Dung/ Biogas Digester-Residues for Downdraft Gasifier.	Mechanical Engg.	Mr. Avinash H. Kolekar Mr. Machindra S. Gaikwad	11 Lakh
18.	Skill development training in rural area for self-employability through prototyping and application buildings.	Mechanical Engg.	Mr. Vishal B. Bhagwat Dr. Sachin M. Bhosle	2.5 Lakh
19.	Formulation, Development and Evaluation of Strengthening Strategy for Damaged RC Columns of Different Lengths in Structure using Fibre Reinforced polymer Composites.	Civil Engg.	Dr. Giridhar N. Narule	20 Lakh
20.	Development of Design Guidelines for Castellated Steel Beams (CSB).	Civil Engg.	Dr. Samadhan G. Morkhade	9.7 Lakh

21.	Applications Of Smart Materials And Equipments for Life Assessment And Structural Health Monitoring Of Existing Structures.	Civil Engg.	Dr. Chitranjan B. Nayak	20 Lakh
22.	Control of corrosion in agricultural equipments using aluminium coating.	Civil Engg.	Dr. Ravindra J. Patil Dr. Shirish C. Bali	17.10 lakh
23.	Propagation of Agro-Tourism Activity Among Farmers To Have More Income Sources And To Have Economic Development Of A Region.	Civil Engg.	Mr. Dilip G. Patil	4.5 Lakh
24.	Water Quality Assessment of Nira River.	Civil Engg.	Ms. Snehal R. Deshmukh	5.5 Lakh
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
			<b>Total Amount:-</b>	<b>4,73,09500</b>

<b>PROPOSALS SUBMITTED TO UNIVERSITY OF PUNE Under QIP_SEMINAR/WORKSHOP GRANT 2019-20</b>				
<b>Title of Proposal</b>	<b>Investigator</b>	<b>Department</b>	<b>Amount</b>	<b>Remarks</b>
SPPU_State Level Seminar on Scientific Communication	Dr. S.M. Bhosle	Mechanical Engg.	Rs.60,000/-	Proposal # VPKBIET/SPPU/08/2019/567-A Submitted on05/08/2019
SPPU_National level Seminar on Damage detection strategy of structures using smart materials: Theory and Practice	Dr. C. B. Nayak	Civil Engg.	Rs.75,500/-	Proposal # VPKBIET/SPPU/08/2019/567-A Submitted on 05/08/2019
SPPU_State Level Solar	Nikhil Vaidya	Electrical	Rs.67,000/-	Proposal #

Photovoltaic System Design, installation & Business opportunities.	& P.N.Jaiswal	Engg.	-	VPKBIET/SPPU/08/2019/567-A Submitted on 14/08/2019
<b>PROPOSALS SUBMITTED TO AICTE New Delhi Under AQIS GRANT 2019-20</b>				
<b>Title of Proposal</b>	<b>Investigator</b>	<b>Department</b>	<b>Amount</b>	<b>Remarks</b>
NewGen Innovation & Entrepreneurship Development Centre (NewGen I-EDC)	Dr. S.M. Bhosle	Mechanical Engg	Rs.2.87 Cr.	Submitted on 13/07/2019
AICTE_MODROBS_Transformation/Make-over of Conventional Machine Shop into Advanced Manufacturing Centre	Dr. S.M. Bhosle	Mechanical Engg	Rs.27.18 Lakhs	Submitted on 26/08/2019
Advancement of VLSI & Embedded System Design Lab. for Skill Enhancement and Product Development AQIS Application ID: 1-6334140322	Dr. Santosh Chede	E. & Tc.	RS. 19.97Lakh	Submitted on 28/08/2019
Modernization of Machine learning and Artificial intelligence Laboratory AQIS application id: 1-6334497061	Dr.Sheetal Takale	I.T.	Rs.17.87.Lakh	Submitted on 28/08/2019
Modernization of Electrical Machines Lab with relevance to real-time control of Induction Motor using AI. AQIS Application ID: 1-7124430671	Mr. Rohit Tarade	Electrical Engg.	7.32 Lakh	Submitted on 05/01/2020
STTP:Applications of structural dynamics in advanced sensing Technologies & Energy Harvesting of structures: Theory and Experiments AQIS Application id : 1-7094606611	Dr. C.B. Nayak	Civil Engg.	4.35 Lakh	Submitted on 30/12/2019
STTP: Advances in Steel Construction AQIS Application ID : 1-7097195971	Dr. Samadhan Morkhade	Civil Engg.	3.7 Lakh	Submitted on 04/01/2020
RPS: Study on Axial Behavior of Damaged Reinforced Concrete Column with Different Lengths Strengthened using Fiber Reinforced Polymer Composites. AQIS Application ID : 1-7123865825	Dr. G.N.Narule	Civil Engg.	21.29 lakh	Submitted on 04/01/2020
2 Weeks FDP: Smart Transparent Concrete - A New Innovation in Concrete Technology AQIS Application ID : 1-7124677061	Mr. Umesh Jagdale	Civil Engg.	5.37 Lakh	Submitted on 04/01/2020
MODROB : Implementation of smart materials and equipment for modernization and removal of obsolescence of concrete technology laboratory for structural health monitoring AQIS Application ID : 1-7118245028	Dr.C.B.Nayak	Civil Engg.	18.47Lakh	Submitted on 04/01/2020
<b>Total</b>			<b>127.29</b>	

			Lakhs	
<b>PROPOSALS SUBMITTED TO UNIVERSITY OF PUNE Under UNIVERSITY RESEARCH GRANT SCHEME 2018-20</b>				
Title of Proposal	Investigator	Department	Amount	Remarks
Experimental investigation of nanotextured titanium surfaces for orthopedic implant applications	Dr. S. M. Bhosle	Mechanical Engg.	Rs.11.2 Lakh	Proposal # 18TEC000327 Submitted on 29/08/2018 IT was shortlisted for second round but due to sort of fund, institute didn't allow to go ahead.
Design and development of plant phenotyping system using image processing for precision agriculture	Dr. R. K. Shastri	Electronics & Telecommunication Engg.	Rs.11.35 Lakh	Proposal # 18TEC000546 Submitted on 10/09/2018
<b>PROPOSALS SUBMITTED TO DST_SERB Under EARLY CAREER RESEARCH SCHEME 2018</b>				
Title of Proposal	Investigator	Department	Amount	Remarks
Structure Texture and Morphology Modulation of Working Electrode for fabrication of Efficient Perovskite Sensitized Solar Cells (PSSC)	Dr. Nitin Jadhav	Chemistry	Rs.36.70 Lakh	File # ECR/2018/002790/CS (Submitted online on 17th Aug 2018)
Experimental Investigation and Parametric Study for Failure Analysis of High Strength Steel Castellated Beams.	Dr. Samadhan Morkhade	Civil Engg	Rs.14.80 Lakh	File No : ECR/2018/000848/ES (Submitted online on 13th Aug 2018)
<b>PROPOSALS SUBMITTED TO UNIVERSITY OF PUNE Under UNIVERSITY RESEARCH GRANT SCHEME 2017-19</b>				
Title of Proposal	Faculty	Date of application	Tentative Amount Rs.	
Experimental investigation of Nano textured titanium surfaces for orthopedic implant applications	Dr. S. M. Bhosle (Mechanical Engg)	Submitted on 23/11/2017	Rs. 2.97 Lakh	
Experimental Investigation of composite feedstock derived from sugarcane residues and cow dung / biogas digester residues for downdraft gasifier	Prof. A.H.Kolekar (Mechanical Engg.)	Submitted on 27/11/2017	Rs. 3.03 Lakh	
Experimental Investigation of Multi Cylinder Spark Ignition Engine for Gaseous Fuels	Dr. P. R. Chitragar (Mechanical Engg.)	Submitted on 27/11/2017	Rs. 3.0 Lakh	
Experimental Investigation and Failure Analysis of Femoral bone implant	Prof.S.V.Shelge (Mechanical Engg.)	Submitted on 30/11/2017	Rs. 2.97 Lakh	
Performance analysis of multi tube heat exchanger for viscous fluid application	Prof. K. M. Jadhav (Mechanical Engg.)	Submitted 30/11/2017	Rs. 2.24 Lakh	
National Level Workshop - Steel Design Bridging the Gaps: Theory and Practice.	Dr. Sharad Ghodke (Civil Engg.)	Submitted and Sanction by University of Pune	Rs. 80,400/-	
State Level Workshop – Application of Power Electronics to Power Systems.	Dr. Mohan Thakare (Electrical Engg.)	Submitted and Sanction by University of Pune	Rs. 44,000/-	
A Systematic Approach for the Design, fabrication, and Testing of Microstrip Antennas Using Inkjet Printing Technology	Mr. Rohit Piske (Electronics and Telecommunication)	Submitted on 27/11/2017	-	

Parallel Implementation of Anisotropic Diffusion Algorithm for De-speckling of Ultrasound Video Images	Mr. Shrikrishna Kolhar (Electronics and Telecommunication)	Submitted on 27/11/2017	-	
An IoT Enabled Vehicular Emergency System	Mr. Santosh Kare (IT Engg.)	Submitted on 27/11/2017	-	
Automated Quantification of Diabetic Retinopathy(DR) Hard Exudate using Digital Image Processing	Mr. Devidas Kushnure (Electronics and Telecommunication)	Submitted on 27/11/2017	-	
Quantification and Identification of Huntington Disease in Brain using Digital Image Processing	Mr. Vinay Nagalkar (Electronics and Telecommunication)	Submitted on 27/11/2017	-	
Cardiac Arrhythmia Detection and Classification using Machine Learning Techniques	Mr. Sachin Trankatwar (Electronics and Telecommunication)	Submitted on 27/11/2017	-	
Design of Ultra Compact low power Rectenna for Wireless Energy Harvesting	Mr. Madan Jadhav (Electronics and Telecommunication)	Submitted on 27/11/2017	-	
A Novel approach towards Personal Health Information Management System (PHIS) based on SOA	Santosh Shinde Computer Engineering (IT Dept.)	Submitted on 27/11/2017	-	
Hybrid Based Video Watermarking for Video Security	Mr. Manoj Shelar (Computer Engineering)	Submitted on 27/11/2017	-	
Detection of Plant Disease using Image Processing	Mr. Rajkumar Panchal(Computer Engineering)	Submitted on 27/11/2017	-	
Finger Gesture Pattern recognition based security system using dynamic hand gestures	Mr. Deepak Gaikwad Computer Engineering (IT Dept.)	Submitted on 27/11/2017	-	
Design, Analysis and Prototyping of Axial Flux Machines	Mrs. Shreemanti Rokade (Electrical Engineering)	Submitted on 27/11/2017	-	
An approach towards Text Detection from complex images using Morphological Techniques	Mr. Venkatesh Rampurkar (Computer Engineering)	Submitted on 27/11/2017	-	
Vector Control of Three phase Induction Motor	Mr. Rohit Tarde (Electrical Engineering)	Submitted on 27/11/2017	-	
FPGA Implementation of Pipeline based Integer Wavelet Transform for Video Compression	Mr. Ajinkya Bankar (Electronics and	Submitted on 27/11/2017	-	

	Telecommunica tion)			
Automatic Question Generation System	Mr. Avinash Kokare (IT Dept.)	Submitted on 27/11/2017	-	
Strength Behavior of the Fiber Reinforced Polymer Composite confined rectangular concrete column with variable corner radius.	Mr. Giridhar Naurle (Civil Engineering)	Submitted on 27/11/2017	-	
Automatic Determination of number of cluster for NMKFC Means Algorithms on Image Segmentation Engineering	Mr. Pradip Paithane (Computer Engineering)	Submitted on 27/11/2017	-	
Single Phase Bidirectional Inverter with Two Buck/Boost MPPT's for dc- distribution applications	Mr. Govind Devsuth (Electrical Engineering)	Submitted on 27/11/2017	-	
Power Device Based high Efficiency Solar Micro Inverter for Home Applications	Dr. Sudhir Lande (Electronics & Telecommunica tion)	Submitted on 27/11/2017	-	
An Electroencephalogram(EEG) Based Bio-metrics: A Human-Computer Interaction(HCIO Approach	Shashank Biradar (Electronics & Telecommunica tion)	Submitted on 27/11/2017	-	
Vibration response analysis of Particle Damper	Mr. Suraj Kumbhar (Mechanical Engg.)	Submitted on 27/11/2017	-	
Nutritional Diet Suggestion System for Individual	Mr. Prashant Raut (Computer Engg.)	Submitted on 27/11/2017	-	
Yoga recommendation for personal health care using Machine Learning Techniques	Mr. rajaram Ambole (Computer Engg.)	Submitted on 27/11/2017	-	
To study awareness and attitude of approved engineering professionals towards e-resources from engineering instates affiliated to SPPU wrt Pune district	Mr. Chandrakant Shete (Library and Information Science )	Submitted on 27/11/2017	-	
Effect of road accessibility to property and road infrastructure on property value	Mr. Dilip Patil (Civil Engg.)	Submitted on 27/11/2017	-	
Fractional calculus and its application	Mrs. Gauri Bhoite (Engineering Sciences)	Submitted on 27/11/2017	-	
Engineering applications of Sumudu Transform	Mr. Deepak Sonawane (Engineering Sciences)	Submitted on 27/11/2017	-	
Laplace Transform and its applications	Dr. Anil Hiwarekar (Engineering Sciences)	Submitted on 27/11/2017	-	
Study of non linear optical phenomenon using laser	Dr. Nirmal Sahuji (Engineering Sciences)	Submitted on 27/11/2017	-	
Investigation of harmful heavy	Dr. Aparna	Submitted on	-	

metals like lead and mercury in various samples	Sajjan (Engineering Sciences)	27/11/2017		
Strength and damage evaluation of fly ash based geopolymer concrete using PZT sensor	Mr. Umesh Jagdale (Civil Engg.)	Submitted on 27/11/2017	-	
Embedded expansion brillouin Sensor for monitoring corrosion of reinforcement in concrete structure	Mr. Chittaranjan Nayak (Civil Engg.)	Submitted on 27/11/2017	-	
Embedded expansion brillouin Sensor for monitoring corrosion of reinforcement in concrete structure	Mr. Chittaranjan Nayak (Civil Engg.)	Submitted on 27/11/2017	-	
Cancer Detection with Deep Learning	Mr. Digambar Padulkar (Computer Engg.)	Submitted on 27/11/2017	-	
Experimental Investigation of High Strength concrete using crushed sand	Mr. Rushikesh Khartode (Civil Engg.)	Submitted on 27/11/2017	-	
Experimental Study of bending behavior of hybrid high performance steel beams.	Dr. Samadhan Morkhade (Civil Engg.)	Submitted on 27/11/2017	-	
Experimental Investigation and failure analysis of Femoral bone implant	Mr. Shrinivas Shelge (Mechanical Engg.)	Submitted on 27/11/2017	-	
Parametric Optimization for Photochemical Machining of Cupro-Nickel and Red-Brass	Mr. H.P. Borate (Mechanical Engg.)	Submitted on 27/11/2017	-	
Experimental Investigation of Magneto sensitive vibration isolator	Mr. Pravin Dhandore (Mechanical Engg.)	Submitted on 27/11/2017	-	
Genetic Algorithm Assisted experimental investigation of centrifugal air compression for surge control	Ms. Mona Yadav (Mechanical Engg.)	Submitted on 27/11/2017	-	
Design and Performance Analysis of Free Space Optical communication link	Mr. S. S. Jagdale (Electronics & Telecommunication Engg.)	Submitted on 27/11/2017	-	

**STATUS REPORT - FUNDING PROPOSALS 2017**

<b>Title of Proposal</b>	<b>Faculty</b>	<b>Date of application</b>	<b>Tentative Amount Rs.</b>	<b>Specific Scheme and Funding Agency</b>
Smart Agro-Engineering Incubation Center	Principal & Dr. S.M. Bhosle	28th Sept 2017 (Not sanctioned)	9.38 Cr	AIM -NITI Aayog, Govt of India (Unique Identification Code # 25641616)
Bioinspired Nanotextured Surfaces for Titanium Orthopedic Implants	Dr. S.M. Bhosle	Submitted on 03rd Oct 2017 (Scheme discontinued by GOI)	178.31 Lacs	Project Executive Summary Submitted to Nano mission DST – Govt of India (Acknowledgement #4671)
Study the effect of applied stresses on the diffusion kinetics of low temp sensitisation and stress corrosion cracking behaviors of type 304L & 304 LN stainless steel.	Dr. S. C. Bali	Submitted 20th July 2017	Rs. 49.65 Lacs	DST-ECR
IPR workshop	Dr. S. B. Lande	10th March 2017	Rs. 3 Lacs	DEiTY, Ministry of Communication and IT

				(Approved)
Advance Rapid PCB Prototyping Lab	Dr. R. K. Shastri	Submitted in Yr 2016-17 but Not Sanctioned	Rs. 20 Lacs	AQIS – MODROB 2016-17
Techno economics design and control of hybrid renewable energy system with communication network	Dr. R. K. Shastri	Submitted in Yr 2016-17 but Not Sanctioned	Rs. 7 Lacs	Faculty Development Program, AQIS -2016-17
Nature inspired energy-efficient communication system for 5G networks (GreenNet) Project partner: University of Tromso, Norway.	Dr. Sanjaykumar Biswash	Submitted on 14th Sept 2017 (Left Institute)	Rs. 1.5 Cr	European Commission Project (Maricuri H2020 Project)
Usability Engineering of Social and Psychological Measurement for Optimized Project Scheduling in the Industry.	Dr. D. B. Hanchate	Submitted but Not Sanctioned	Rs. 18 Lacs	RPS, AQIS 2016-17
Sensitivity Analysis of Uncertainties associated with PAN evaporation in SEMI-ARID areas facing data scarcity	Dr. L.S. Pammar S	Submitted but Not Sanctioned	Rs. 18 Lacs	DST – SYST
Data Mining using Fixed Point Theory	Dr. G.A. Dhanorkar S	Submitted 12th Oct 2017	Rs. 3.60 Lacs	CSIR/NBHM
Analysis of Lead and Mercury in Soil and Water Samples by Electro-Analytical Methods.	Dr. A.G. Sajjan	Submitted preliminary proposal on 19th Sept 2017	Rs. 15 Lakh	DST
Modification of solid polymer electrolyte and working electrode for Fabrication of Perovskite Sensitized Solar Cells	Dr. N. A. Jadhav	Submitted (Shortlisted for Second Round)	Rs. 22.46 Lakh	DST-SERB

### **10.23 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. The cell will manage internal communication by reporting events, happenings and achievements to the administration, faculty and student community.

The MEDIA CELL will comprise of the following.

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

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

### **CO-ORDINATION AND INFORMATION**

All institution will co-ordinate with the MEDIA CELL and inform about their activities of importance so that the same can be sent for publicity at regular basis. All may be taken into consideration that the said information (In English & Marathi) reaches the MEDIA CELL well in time and there is

no delay. The information (In English & Marathi) should also be included and circulated in their institution's Website.

## **CONCLUSION**

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

- Compliance of the National Academic Depository (NAD): **N.A.**  
Applicable to PGCM/ PGDM Institutions and University Departments

- **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 gymnasium 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:**

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

Vidya Pratishthan's Arts, Science and Commerce College, Kamalnayan Bajaj Institute of Engineering and Technology, Vasant Rao Pawar Law College jointly organized the special NSS residential camp in the adopted village, **Lakadi** during 17-23 Dec 2019. The total geographical area of village is 1309.72 hectares. It has a total population of 2,547 peoples. There are about 526 houses in village. Lakadi is 15 km away from Baramati. NSS aims at arousing social consciousness of the youth with an overall objective of personality development through community service. It enables students to participate in various programs of social service and national development and hence to help the community. This special camp was organized as per the consistent guidelines of SPPU, Pune. The Volunteers of the NSS Unit performed many other activities – Village Cleanliness, Tree Plantation, Literacy Awareness Importance of Health and Hygiene, Blood Donation Camp, Construction of CCT and repairs, Communal harmony, Village Survey, Street play etc.

225 NSS volunteers of Vidya pratishthan's Arts , Science and Commerce College, Vidya Pratishthan's Kamalnayan Bajaj Institute of Engg. & Technology, and Vidya Pratishthan's Vasant Rao Pawar Law College Vidyanagri, Baramati participated on the camp. 7 groups of students were formed for planning of everyday activities. Different names were assigned to each group in the names of fort build by Shivaji Maharaj, each holding significant purpose.

During the inaugural ceremony, the chief guest Hon. Mr. Dilip Pawar, API Walchandnagar Police Station, Hon. Mr. Hanumant Bandgar (Z.P. Member), Mrs. Shital Wanve (P.S. Member Indapur), Principal Dr. Bharat Shinde, Principal Dr. Madhukar Phad expressed their views. During the valedictory session, Principal Dr. R. S. Bichkar expressed satisfaction and urged to continue the bonding of Lakadi villagers with Vidya Pratishthan for better symbiosis in the coming days.



(Photo of NSS Students doing yoga )

**10.24 Soft Skill Development Facilities/Training Facilities****Soft Skill Development and Training Facilities Academic Year 2019-20**

Sr. No	Training Programmes	Agency/Trainer	Duration / Schedule	Participants(Branches)	No of Participants
1	Core Java	Zensar(Mr. Vijay Pradeep ),( Mr.Pradeep Kakade)	10Days	BE Computer,IT(2019-20 Batch)	50
2	Soft Skill Training	Zensar (Mr. Rahul Mhaske, Miss.Vidisha Joshi	3 Days	BE Computer,IT(2019-20 Batch)	44
3	Aptitude Training	4C(Mr. Tushar Joshi ,Mr.Sagar Deshmukh)	5 Days	BE Civil(2019-20 Batch)	58
4	Aptitude Training	4C(Mr. Tushar Joshi ,Mr.Sagar Deshmukh)	5 Days	TE Civil(2019-20 Batch)	53
5	English and Communication Skills	Eminent Training World(Mr. Prashant Jagtap)	3 Days	TE E& TC	63
6	English and Communication Skills	Wordsmaya (Fatema Tinwala, Hasiem Khan , Sheetal Kazi)	9 Days	FE	265
7	Aptitude Training	4C Training(Mr. Rakesh Agarwal, Mr.Rohit Runwal)	9 Days	FE	300
8	Aptitude Training	Aptech(Mr.Sanir Kittur)	1 Day	TE IT,E&TC.Computer((2019-20 Batch)	145
9	SQL & PL	Zensar(Mr. Vinay Agnohotri,Mr. Shaikh Abdul)	5 Days	TE IT,E&TC.Computer(2019-20 Batch)	72
10	Core Java, Manual Testing	Zensar(Mr.Vinay Agnohotri)	10 Days	TE IT,E&TC.Computer(2019-20 Batch)	73
11	Soft Skills	Zensar(Mr. Vinayak Ghawale,Fatima Zensar(Mr. Vinayak Ghawale,Fatima Tinwala	3 Days	TE IT,E&TC.Computer(2019-20 Batch)	74

12	Life Skills(	Zensar(Mr. Vinayak Ghawale,Fatima Tinwala	1 Day	TE IT,E&TC.Computer(2019-20 Batch)	74
13	Aptitude Training	Zensar(Mr. Anand Deshpande, Mr. Lakshmikant Shinde	4 Days	TE IT,E&TC.Computer(2019-20 Batch)	74
14	Aptitude Training	Aptech(Swapanila Malpathak,Mr. Mr.Laxmikant Shinde)	3 Days	TE All Branches(2019-20 Batch)	139
15	Robotics with Python	Mr.Yogesh Bhole	3 Days	BE Mechanical(2019-20 Batch)	19
16	Faculty Development Program and Professional Communication	Wordsmaya(Mrs. Vineeta Bora)	4 days	VPKBIET Staff	65
17	Aptitude Training Program	Aptech(Mr.Sanir Kittur)	5 Days	TE E & TC,TE Mechanical,TE Electrical(2019-20 Batch)	194
18	Aptitude Training Program	Aptech(Mr.Sanir Kittur)	2 Days	TE E & TC,TE Mechanical,TE Electrical(2019-20 Batch)	191
19	Alternative Fuel Vehicles, Fuel and Electricity conservation	Mr. Sudhir Shah(PCRA)	3 HRS.	VPKBIET Students	207

### 10.25 Teaching Learning Process:

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

Civil	Term	Subject	Hours per Week			Maximum Marks				Total
			L	P/D	T	PP	TW	PR	OR	
FE	I	7	18	10	1	500	25	125	-	650
	II	7	17	12	2	450	75	125	-	650
SE	I	5	20	-	10	500	100	-	150	750
	II	5	18	-	12	500	100	50	100	750
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

Mechanical	Term	Subject	Hours per Week			Maximum Marks				Total
			L	P/D	T	PP	TW	PR	OR	
FE	I	7	18	10	1	500	25	125	-	650
	II	7	17	12	2	450	75	125	-	650
FE	I	7	18	12	-	500	150	50	-	700
	II	7	18	12	-	500	150	50	-	700
SE	I	8	20	-	14	500	100	-	150	750
	II	6	18	-	12	500	100	-	150	750
TE	I	6	20	-	10	500	100	50	50	750
	II	7	20	-	10	500	100	50	100	750
BE	I	6	20	-	6	500	100	50	100	750
	II	5	16	-	8	400	200	-	150	750

Computer	Term	Subject	Hours per Week			Maximum Marks				Total
			L	P/D	T	PP	TW	PR	OR	
FE	I	7	18	10	1	500	25	125	-	650
	II	7	17	12	2	450	75	125	-	650
FE	I	7	18	12	-	500	100	50	-	650
	II	7	18	12	-	500	150	-	-	650
SE	I	8	19	10	-	500	100	100	-	700
	II	8	20	10	-	500	150	150	-	800
TE	I	8	18	12	-	500	100	100	50	750
	II	9	18	12	-	500	150	50	50	750
BE	I	7	18	10	-	500	100	50	10 0	750
	II	6	16	12	-	400	200	50	10 0	750

E&TC	Term	Subject	Hours per Week			Maximum Marks				Total
			L	P/D	T	PP	TW	PR	OR	
FE	I	7	18	10	1	500	25	125	-	650
	II	7	17	12	2	450	75	125	-	650
FE	I	7	18	12	-	500	100	50	-	650
	II	7	18	12	-	500	150	-	-	650
SE	I	7	19	8	1	500	100	100	50	750
	II	6	19	8	2	500	100	100	50	750
TE	I	6	19	10	-	500	100	50	100	750
	II	7	19	10	-	500	50	100	100	750
BE	I	6	19	8	1	500	100	75	50	750
	II	5	16	12	-	400	100	150	100	750

Electrical	Term	Subject	Teaching Scheme			Examination Scheme					Total Marks	Credit	
			TH	PR	Tu.	In-Sem	End-Sem	TW	PR	OR		TH	P R + O R
FE	I	7	18	10	1	150	350	25	125	-	650	22	
	II	7	17	12	-	120	330	75	125	-	650	22	
SE	I	7	20	8	1	250	250	100	100	50	750	21	4
	II	6	20	8	1	250	250	100	100	50	750	21	4
TE	I	7	18	10	--	150	350	100	100	50	750	18	5
	II	7	18	10	--	150	350	100	50	100	750	18	5
BE	I	6	16	8	2	150	350	100	150		750	---	- - -
	II	5	14	6	6	120	280	150	200		750	---	- - -

IT	Term	Subject	Hours per Week			Maximum Marks				Total
			L	P/D	T	PP	TW	PR	OR	
FE	I	7	18	10	1	500	25	125	-	650
	II	7	17	12	2	450	75	125	-	650
SE	I	8	19	10	-	500	150	100	-	750
	II	8	17	12	-	500	100	100	50	750
TE	I	9	18	12	-	500	100	50	100	750
	II	8	18	10	-	500	150	50	50	750
BE	I	7	20	8	-	500	150	50	50	750
	II	6	16	12	-	400	200	50	100	750

**Academic Calender of University****First Term**

Details of Activities	FE	SE / TE / BE	ME
Commencement of Teaching	13/08/2019	15/06/2019	05/08/2019
Conclusion of Teaching	17/12/2019	16/10/2019	07/12/2019
Commen. of (End-Sem) Exam.	23/12/2019	---	---
Practical / Oral / Project Exam.	---	18/10/2019 To 05/11/2019	01/01/2020
Theory Examination	---	14/11/2019 To 07/12/2019	11/12/2019

**Second Term**

Details of Activities	FE	SE / TE / BE	ME
Commencement of Teaching	07/01/2020	16/12/2019	13/01/2020
Conclusion of Teaching	09/05/2020	11/04/2020	14/05/2020
Commen. of (End-Sem) Exam.	18/05/2020	---	---
Practical / Oral / Project Exam.	---	13/04/2020 To 27/04/2020	18/05/2020 To 23/05/2020
Theory Examination	---	05/05/2020 To 30/05/2020	27/05/2020 To 12/06/2020

**10.26 Academic teaching load Sem-II with the name of the Faculty members handling the Course**  
**First Year Engineering-Teaching load of each Faculty**

Name of Staff	Dept.	Theory &/ Tutorial Load	Practical Load	Total Load	
Dr. A. P. Hiwarekar	General Sci. (Engg. Maths-II)	12	0	12	
Dr. G. A. Dhanorkar		16	0	16	
Ms. G. G. Bhoite		16	0	16	
Ms. S. S. Ghadge		4	0	4	
Mr. D. S. Sonawane	General Sci. (Engg. Maths-III)	16	0	16	
Ms. S. S. Ghadge		13	0	13	
Mr. A. S. Disale	General Sci. (Engg. Physics)	5	10	15	
Dr. N. T. Shelke		10	8	18	
Dr. A. G. Sajjan	General Sci. (Engg. Chemistry)	5	10	15	
Dr. N. A. Jadhav		10	8	18	
Mr. A. W. Bhagat	E & TC (BXE)	8	6	14	
Mr. S. U. Kolhar		4	12	16	
Mr. P. D. Upadhye	Electrical (BEE)	8	6	14	
Ms. J. S. Kulkarni		4	12	16	
Dr. S. G. Morkhade	Civil (Engg. Mechanics and EVS-II)	6	6	12	
Mr. A. M. Gaikwad		8	6	14	
Mr. K. V. Raut		6	6	12	
Mr. P. K. Pise		4	0	4	
Mr. D. D. Rupanwar	Mechanical (Engg. Graphics and PBL)	6	0	6	
Mr. M. S. Gaikwad		0	16	16	
Ms. P. D. Kale		0	8	8	
Mr. A. A. Bhapkar		0	16	16	
Mr. P. U. Galande		0	16	16	
Mr. V. B. Bhagwat		8	6	14	
Dr. V. B. Gawande		8	6	14	
Mr. P. V. Dhandore		8	4	12	
Mr. S. V. Shelge		4	0	4	
Mr. K. M. Jadhav		4	0	4	
Mr. H. P. Borate		4	0	4	
Mr. R. H. Ambole		Computer (PPS)	8	6	14
Mr. P. T. Raut			4	12	16
Total			209	180	389

Year	No. of Faculty	Theory Load	Practical Load	Total Load
FE	29	180	180	360
SE	02	29	0	29
<b>Total</b>	<b>31</b>	<b>209</b>	<b>180</b>	<b>389</b>

**Branch-Civil Engineering-Teaching load of each Faculty**

Year	Name of Faculty	Total Theory Load	Total Practical Load	Total overall Load
SE	Prof .D. G. Patil	0	6	6
	Prof. U. T. Jagadale	0	2	2
	Ms. J. C. Bhong	4	8	12
	Prof. D. D. Ahiwale	4	9	13
	Prof. R. R. Khartode	4	8	12
	Ms. P. A. Bokey	4	0	4
	Mrs. S. Y. Tambe	4	0	4
	Prof. A. B. Patil	0	8	8
TE	Dr. G. N. Narule	4	0	4
	Dr. R. J. Patil	4	8	12
	Prof. U. T. Jagadale	3	0	3
	Ms. J. C. Bhong	0	1	1
	Prof. P. K.Pise	4	0	4
	Ms. P. A. Bokey	3	8	11
	Mrs. S. Y. Tambe	0	12	12
	Mr. K. V. Raut	0	4	4
BE	Dr. C. B. Nayak	3	6	9
	Dr. R. J. Patil	3	0	3
	Prof .D. G. Patil	3	8	11
	Prof. P. K.Pise	0	6	6
	Ms. S. R. Deshmukh	3	12	15
ME-I	Dr. G. N. Narule	0	4	4
	Prof. R. R. Khartode	4	0	4
	Ms. J. C. Bhong	1	0	1
	Dr. C. B. Nayak	4	0	4
	Dr. S. G. Morkhade	4	0	4
	Prof. U. T. Jagadale	4	0	4
	Prof. D. D. Ahiwale	0	4	4
ME-II	Prof. U. T. Jagadale	0	5	5
<b>Total</b>		<b>67</b>	<b>119</b>	<b>186</b>

Year	No. of Faculty	Total Theory Load	Total Practical Load	Total overall Load
SE	8	20	41	61
TE	8	18	33	51
BE	5	12	32	44
ME-I	7	17	8	25
ME-II	1	0	5	5
<b>Total</b>		<b>67</b>	<b>119</b>	<b>186</b>

**Branch-Mechanical Engineering-Teaching load of each Faculty**

Year	Name of Faculty	Total Theory Load	Total Practical Load	Total Overall Load
SE	Mr. Kolekar A.H.	4	8	12
	Mr. Shelge S.V.	4	8	12
	Mrs. Kale Prachi D.	4	4	8
	Dr. S. C. Bali	4	6	10
	Mr. A. A. Bhapkar	--	8	8
	Mr. K. M. Jadhav	--	4	4
	Mr. S. H. Kumbhar	--	2	2
TE	Dr. S. M. Bhosle	3	8	11
	Mr. H. P. Borate	4	8	12
	Mr. D. D. Rupanwar	3	4	7
	Ms. M. S. Yadav	4	8	12
	Mr. K. M. Jadhav	4	8	12
BE	Dr. P. R. Chitragar	3	8	11
	Dr. M. S. Lande	3	8	11
	Dr. S. C. Bali	3	--	3
	Mr. P. Dhandore	3	--	3
	Mr. S. H. Kumbhar	4	8	12
ME-I Design	Mrs. P. D. Kale	--	--	--
	Mr. S. H. Kumbhar	--	--	--
	Mr. S. V. Shelge	--	--	--
	Mr. H. P. Borate	--	--	--
	Dr. M. S. Lande	--	--	--
ME-I Energy	Mr. A. H. Kolekar	--	--	--
	Mr. K. M. Jadhav	--	--	--
	Ms. M. S. Yadav	--	--	--
	Mr. M. S. Gaikwad	--	--	--
<b>Total</b>	<b>15</b>	<b>50</b>	<b>100</b>	<b>150</b>

Year	No. of Faculty	Total Theory Load	Total Practical Load	Total Load
SE	5	16	40	56
TE	5	18	36	54
BE	5	16	24	40
ME-I EE/DE	9	--	--	-
ME_II	Nil	Nil	Nil	Nil
<b>Total</b>	<b>15</b>	<b>50</b>	<b>100</b>	<b>150</b>

**Branch-Electrical Engineering- Teaching load of each Faculty**

<b>Year</b>	<b>Name of Faculty</b>	<b>Total Theory Load</b>	<b>Total Practical Load</b>	<b>Total Overall Load</b>
<b>SE</b>	Mrs. Pooja Jaiswal	4	6	10
	Mr. Dipak Yeole	3	4	7
	Mr. L. Brahmne	4	6	10
	Mrs.G.Chajjed	---	5	5
	Mr. R.Panchal	4	4	8
	Mr. Hafiz Shaikh	4	--	4
	Mr. S.D.Shelar	4	6	10
<b>TE</b>	Dr. N. B. Wagh	4	8	12
	Mr. R. S.Tarade	4	4	8
	Mr.N. C. Vaidya	4	8	12
	Mrs.Pooja Jaiswal	3	2	5
	Mr. Rachandra Rakate	---	6	6
	Mr.Hafiz Shaikh	4	8	12
	Mr. S.D.Shelar	---	4	4
<b>BE</b>	Mr. R.S. Tarade	4	4	8
	Mr. Dipak Yeole	3	8	11
	Mr. Rachandra Rakate	3	8	11
	Mr.N. C. Vaidya	3	---	3
	Mr. S.D.Shelar	---	4	4
<b>Total</b>	<b>19</b>	<b>55</b>	<b>95</b>	<b>150</b>

<b>Year</b>	<b>No. of Faculty</b>	<b>Total Theory Load</b>	<b>Total Practical Load</b>	<b>Total overall Load</b>
<b>SE</b>	7	23	31	54
<b>TE</b>	7	19	40	59
<b>BE</b>	5	13	24	37
<b>Total</b>	<b>19</b>	<b>55</b>	<b>95</b>	<b>150</b>

**Branch-Electronics and telecommunication- Teaching load of each Faculty**

Year	No. of Faculty	Total Theory Load	Total Practical Load	Total Load
SE	Mr.B.H.Patil	6	10	16
	Mr.D.T.kushnure	6	10	16
	Mr.P.K.Kadbe	3	16	19
	Mr.V.U.Deshmukh	8	10	18
	Mrs Supriya Ghatge	8	5	13
	Mr.A.B.Patil	4	-	4
	Mr.P.M.Paithane	3	4	7
TE	Dr.R.K.Shastrri	4	6	10
	Mr.M.M.Jadhav	4	4	08
	Mrs.S.B.Nikam	6	10	16
	Dr.C.S.Chede	4	6	10
	Mrs.J.S.Rangole	8	10	18
	Dr.V.J.Nagalkar	8	8	16
	Mrs Varsha Surwase	4	6	10
BE	Dr.S.B.Lande	8	-	8
	Mr.R.S.Piske	6	14	20
	Mr.S.D.Biradar	6	10	16
	Mr.S.S.Jagdale	8	10	18
	Mrs. Varsha Surwase	-	6	6
	Mr. M.M. Jadhav	-	10	10
ME_I	Mrs. J. S. Rangole	2	-	2
	Dr. S. D. Chede	-	4	4
	Mr. B.H.Patil	2		2
	Mr. D.T. Krushnure	2		2
	Dr. Lokesh Bramhane	2	---	2
	Dr. R. K. Shastrri	5	---	5
	Mr. S.U. Kolhar	2		2
	Premanand Kadbe	2		2
ME-II	Dr. S.B. Lande	---	4	4
<b>Total</b>	<b>22</b>	<b>123</b>	<b>153</b>	<b>284</b>

Year	No. of Faculty	Total Theory Load	Total Practical Load	Total Load
SE	7	38	55	93
TE	7	38	50	88
BE	6	28	50	78
ME_I	8	17	4	21
ME_II	1	---	4	4
<b>Total</b>	<b>29</b>	<b>121</b>	<b>163</b>	<b>284</b>

**Branch –Computer Engineering Teaching load of each Faculty**

Class	Name of Faculty	Total Theory Load	Total Practical Load	Total Overall Load
<b>SE</b>	Mr. Deepak S. Sonawane	4	4 (Tutorial)	8
	Mr. Rajkumar V. Panchal	4	4	8
	Mr. Vyankatesh V. Rampurkar	4	8	12
	Mr. Pradeep M. Paithane	4	8	12
	Mrs. Gyankamal. J. Chhajed	3	8	11
	Mrs. Sushma S. Nandgaonkar	----	4	4
	Mr. Mukesh B. Rangdal	----	4	4
	Ms. Pallavi D. Jawalkar	----	4	4
<b>TE</b>	Mr. Sahil K. Shah	4	8	12
	Mrs. Sushma S. Nandgaonkar	4	8	12
	Ms. Pallavi D. Jawalkar	4	8	12
	Dr. Dinesh B. Hanchate	3	----	3
	Mr. Manoj D. Shelar	3	8	8
	Dr. Santaji. K. Shinde	----	2 (Tutorial)	2
	Mr. Vyankatesh V. Rampurkar	----	2 (Tutorial)	2
<b>BE</b>	Dr. Santaji K. Shinde	3	6	9
	Dr. Chaitanya S. Kulkarni	3	10	13
	Dr. Dinesh B. Hanchate	3	10	13
	Mr. Mukesh B. Rangdal	3	10	13
	Mr. Manoj D. Shelar	----	6	6
	Mrs. Gyankamal. J. Chhajed	----	2	2
	Mrs. Sushma S. Nandgaonkar	----	2	2
	Mr. Sahil K. Shah	----	2	2
	Mr. Rajkumar V. Panchal	----	2	2
	Mr. Vyankatesh V. Rampurkar	----	2	2
	Mr. Pradeep M. Paithane	----	2	2
	Ms. Pallavi D. Jawalkar	----	2	2
<b>ME-I</b>	Dr. Chaitanya. S. Kulkarni	3	4	7
	Dr. Santaji. K. Shinde	1	----	1
	Mr. Dinesh. A. Zende	2	----	2
	Mr. Avinash. J. Kokare	3	----	3
	Mr. Sahil. K. Shah	2	4	6
	Mr. Vyankatesh. V. Rampurkar	2	4	6
	Mr. Pradip. M. Patil	2		2
	Mr. Santosh. K. Kare	2		2
<b>ME-II</b>	Dr. Santaji. K. Shinde	----	2	2
	Dr. Chaitanya. S. Kulkarni	----	2	2
<b>Total</b>	<b>37</b>	<b>66</b>	<b>152</b>	<b>218</b>

Year	No. of Faculty	Total Theory Load	Total Practical Load	Total overall Load
<b>SE</b>	08	19	40 + 4 Tutorial	63
<b>TE</b>	07	18	32 + 4 Tutorial	54
<b>BE</b>	12	12	56	68
<b>ME-I</b>	08	17	12	29
<b>ME-II</b>	02	00	04	04
<b>Total</b>	<b>37</b>	<b>66</b>	<b>152</b>	<b>218</b>

**Branch Information Technology- Teaching load of each Faculty**

Year	Name of Faculty	Total Theory Load	Total Practical Load	Total Overall Load
SE	Mr. Sonawane D. S.	04	04 (Tutorial)	08
	Mr. Shinde Santosh Arun	03	08	11
	Mr. Bhagwat Keshav Sitaram	04	12	16
	Mr. Kokare Avinash Jagannath	----	04	04
	Ms. Sakhare Yashoda N.	04	04	08
	Ms. Bhale Kanchan M.	04	08	12
	Mr. Patil Pradeep Manikrao	----	04	04
TE	Mr. Kare Santosh Sahebrao	04	08	12
	Dr. Takale Sheetal Ajay	04	04	08
	Ms. Jadhav Komal S.	----	04	04
	Mr. Kokare Avinash Jagannath	03	08	11
	Mr. Shinde Santosh Arun	03	02 (Tutorial)	05
	Mr. Patil Pradeep Manikrao	04	08	12
BE	Mr. Zende Dinesh Achyut	03	10	13
	Mr. Padulkar Digambar M.	03	08	11
	Ms. Jadhav Komal S.	03	12	15
	Mrs. Bhale Kanchan M.	03	02	05
	Ms. Sakhare Yashoda N.	----	10	10
	Mr. Kare Santosh Sahebrao	----	04	04
	Mr. Bhagwat Keshav Sitaram	----	02	02
	Mr. Shinde Santosh Arun	----	02	02
	Dr. Takale Sheetal Ajay	----	02	02
	Mr. Kokare Avinash Jagannath	----	02	02
	Mr. Patil Pradeep Manikrao	----	02	02
	<b>Total</b>	<b>24</b>	<b>49</b>	<b>134</b>

Year	No. of Faculty	Total Theory Load	Total Practical Load	Total Overall Load
SE	07	19	44	63
TE	06	18	34	52
BE	11	12	56	68
<b>Total</b>	<b>24</b>	<b>49</b>	<b>134</b>	<b>183</b>

**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 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.

- Students Feedback system on different subjects of their respective class for individual faculties at the end of each semester for each academic Year.
- Feedback by students during semester by Head of department
- Online exam for SE and In-sem exam for TE and BE students for 30 marks based on three units of syllabus.
- Two Class Tests and Preliminary test.
- Assignments on all units.
- Continuous evaluation of practical's in laboratory.
- 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.

**For each Post Graduate Courses give the following:**

**Title of the Course –**

Sr. No.	Title of the Course
1	Civil_Structural Engineering
2	Mechanical_Design Engineering
3	Mechanical_Energy Engineering
4	Electronics_Digital System
5	Computer Engineering

• **Curricula and Syllabi – PG**

Branch	Term	Subject	Teaching Scheme (L)	Examination Scheme					Credit
				In-Sem	End-Sem	TW	OR	Total	
Civil_Structural Engg.	I	6	25	250	250	50	50	600	25
	II	6	25	200	200	100	100	600	25
	III	5	25	150	150	100	100	500	25
	IV	2	25	---	---	200	100	300	25
Mech_Energy Engg.	I	6	25	250	250	50	50	600	25
	II	6	25	200	200	100	100	600	25
	III	5	25	150	150	100	100	500	25
	IV	2	25	---	---	200	100	300	25
Mech_Design Engg.	I	6	25	250	250	50	50	600	25
	II	6	25	200	200	100	100	600	25
	III	5	25	150	150	100	100	500	25
	IV	2	25	---	---	200	100	300	25
Electronics_Digital Syst.	I	6	25	250	250	50	50	600	25
	II	6	25	200	200	100	100	600	25
	III	5	25	150	150	100	100	500	25
	IV	2	25	---	---	200	100	300	25
Computer Engg.	I	6	29	250	250	50	50	600	25
	II	6	29	200	200	100	100	600	25

	<b>III</b>	<b>5</b>	25	150	150	100	100	500	25
	<b>IV</b>	<b>2</b>	25	---	---	200	100	300	25

**Laboratory facilities exclusive to the Post Graduate Course**

Dept.	Name of the Laboratory	Lab /Major Equipments
Civil Structural Engg.	PG RESEARCH LAB - Civil	Computers i3: 21 Qty, SAP 2000, AutoCad, ETAB, MATLAB, Gram++
Mechanical Energy & Design Engineering	PG I C ENGINE LAB	VCR Engine Test Rig Computerized Diesel and Petrol Engine Test Rig Exhaust Gas Analyzer
	PG VIBRATION AND MECHANICS LAB	Strain Indicator & Line Voltage Adapter, Universal testing machine(1000KN) with Extensometer, Vibration Exciter Model : SI-230 and Power Oscillator Model: SI-29D
E&TC- Digital System	PG Research Lab	Computers-22, MATLAB 19b software
Computer Engg.	PG Lab-Computer	Computers; ASUS D510MT i5 Qty 10 Switch, patch Panel

• **Academic Calendar and frame work**

Sr. No	Month	Activity	SE/TE/ BE
1	Nov.19	Work Load distribution	7/Nov
2		Preparation of timetable and departmental Activity Calender	14/Nov
3		Internal Academic Audit	30/Nov
4		Industry Visit by Faculty	1-30 Nov
5	Dec. 19	Preparation of course plan /file, Lab Manual	10/Dec
6		Subject Presentation by Faculty	12-14 Dec
7		UG commencement of Teaching	16/Dec
8		Student Reporting Activities(Scholarship documents, Career Plan, Payment of fees, joining of centers)	16/Dec
9		Christmas( Holiday)	25/Dec
10		Weekly display of Attendance	23, 30 Dec
11		Biweekly HOD report submission of about Departmental activities	31/Dec
12		Jan. 20	Weekly Display of Attendance
13	Biweekly HOD report submission of about Departmental activities		11, 25 Jan
14	Annual Gathering		17-19 Jan
15	Republic day		26/Jan
16	Presentation by centers		11, 25 Jan
17	Unit Test-I		27-31 Jan
18	Monthly Parent Communication		31/Jan
19		GATE-2020	1, 2,7, 8 Feb.

20	Feb. 20	MID Term student's Feedback	12/Feb
21		Presentation by Centers	8, 22 Feb
22		Unit Test-II	16-21 Feb
23		CH. Shivaji Maharaj Jayanti	19 Feb.
24		Mahashivaratri	21 Feb.
25		Weekly Display of Attendance	7, 14, 22, 29 Feb
26		Biweekly HOD report submission of about Departmental activities	8, 22 Feb
27		INSEM Exams	24-29 Feb
28		Monthly Parent Communication	29 Feb
29		Presentation by Centers	27/Feb
Sri No.	Month	Activity	SE/TE/ BE
30	MAR	SE ONLINE EXAM	2-7 Mar
31		Holi (Holiday)	10/Mar
32		Presentation by Centers	14, 28 Mar
33		Convocation	As per University
34		Gudipadwa (Holiday)	25/Mar
35		External Academic Audit	28/Mar
36		Weekly Display of attendance	6, 13, 20, 27 Mar
37		Bi Weekly HoD report submission about Dept Activities	14, 28 Mar
38	APR	Ramnavami (Holiday)	2/Apr
39		Mahavir Jayanti (Holiday)	6/Apr
40		End Term Students Feedback	7/Apr
41		VPKBIET Project Competition	8/Apr
41		Prelim Exams	06-10 Apr
43		Good Friday (Holiday)	10/Apr
44		Conclusion of Teaching of SE TE BE	11/Apr
45		Dr. Ambedkar Jayanti (Holiday)	14/Apr
46		Conclusion of Teaching of SE TE BE	27/Apr
47		BiWeekly HoD report submission about Dept Activities	9, 23 Apr
48	PR/OR/Project Exams	13-27 Apr	
49	May	Maharashtra Day	1/May
50		Budhha Pournima	7/May
51		Ramazan Eid	25/May
52		Theory Examination	05-30 May

**10.27 . Enrollment of students in the last 3 years**

Sr. No	NAME OF BRANCH	FIRST YEAR			SECOND YEAR			THIRD YEAR			FOURTH YEAR			GROSS TOTAL		
		CA		Total	CA		Total	CA		Total	CA		Total	CA		Total
		M	F		M	F		M	F		M	F		M	F	

1	CIVIL	47	13	60	42	21	63	43	23	66	50	25	75	18 2	82	264	
2	MECHANICAL	54	3	57	45	13	58	53	13	66	58	11	69	21 0	40	250	
3	ELECTRICAL	42	10	52	27	28	55	41	21	62	40	35	75	15 0	94	244	
4	E&TC	48	36	84	38	52	90	49	45	94	61	88	149	19 6	22 1	417	
5	COMPUTER	40	31	71	25	41	66	26	42	68	32	47	79	12 3	16 1	284	
6	I.T.	34	27	61	30	34	64	26	42	68	32	42	74	12 2	14 5	267	
<b>Total:</b>		<b>26 5</b>	<b>12 0</b>	<b>385</b>	<b>20 7</b>	<b>18 9</b>	<b>396</b>	<b>23 8</b>	<b>18 6</b>	<b>424</b>	<b>27 3</b>	<b>24 8</b>	<b>521</b>	<b>98 3</b>	<b>74 3</b>	<b>1726</b>	
1	Computer Engg.	0	1	1	0	2	2							0	3	3	
2	Digital Systems	0	2	2	0	4	4							0	6	6	
3	Design Engg.	0	0	0	5	1	6							5	1	6	
4	Enregy Engg.	0	0	0	2	0	2							2	0	2	
5	Structural Engg.	7	5	12	15	3	18							22	8	30	
		7	8	15	22	10	32							29	18	47	
														<b>Total :</b>	<b>0</b>	<b>0</b>	<b>1773</b>

Academic Year: 2018-19 (Under Graduate)																
Sr. No.	NAME OF BRANCH	FIRST YEAR			SECOND YEAR			THIRD YEAR			FOURTH YEAR			GROSS TOTAL		
		CA		Total	CA		Total	CA		Total	CA		Total	CA		Total
		M	F		M	F		M	F		M	F		M	F	
1	CIVIL	40	20	60	45	24	69	49	22	71	45	23	68	179	89	268
2	MECHANICAL	49	11	60	58	13	71	57	12	69	62	13	75	226	49	275
3	ELECTRICAL	39	13	52	51	23	74	45	33	78	46	30	76	181	99	280
4	E&TC	35	41	76	51	41	92	65	79	144	44	90	134	195	251	446
5	COMPUTER	27	31	58	25	41	66	33	49	82	28	36	64	113	157	270
6	I.T.	36	23	59	28	40	68	33	36	69	28	46	74	125	145	270
		<b>226</b>	<b>139</b>	<b>365</b>	<b>258</b>	<b>182</b>	<b>440</b>	<b>282</b>	<b>231</b>	<b>513</b>	<b>253</b>	<b>238</b>	<b>491</b>	<b>1019</b>	<b>790</b>	<b>1809</b>
Post Graduate:																
1	Computer Engg.	1	3	4	0	4	4							1	7	8
2	Digital Systems	0	4	4	1	0	1							1	4	5
3	Design Engg.	7	1	8	4	1	5							11	2	13
4	Energy Engg.	2	0	2	0	0	0							2	0	2
5	Structural Engg.	15	3	18	8	9	17							23	12	35
	<b>Total:</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>							<b>38</b>	<b>25</b>	<b>63</b>

Gross Total:														1057	815	1872
Academic Year: 2017-18 (Under Graduate)																
Sr. No.	NAME OF BRANCH	FIRST YEAR			SECOND YEAR			THIRD YEAR			FOURTH YEAR			GROSS TOTAL		
		CA		Total	CA		Total	CA		Total	CA		Total	CA		Total
		M	F		M	F		M	F		M	F		M	F	
1	CIVIL	45	19	64	50	22	72	46	25	71	38	28	66	179	94	273
2	MECHANICAL	50	8	58	56	12	68	65	13	78	54	14	68	225	47	272
3	ELECTRICAL	47	14	61	41	31	72	45	30	75	36	31	67	169	106	275
4	E&TC	51	32	83	63	78	141	47	102	149	52	72	124	213	284	497
5	COMPUTER	30	32	62	33	41	74	28	39	67	23	49	72	114	161	275
6	I.T.	28	28	56	32	38	70	30	46	76	25	40	65	115	152	267
<b>Total:</b>		<b>251</b>	<b>133</b>	<b>384</b>	<b>275</b>	<b>222</b>	<b>497</b>	<b>261</b>	<b>255</b>	<b>515</b>	<b>228</b>	<b>234</b>	<b>462</b>	<b>1015</b>	<b>844</b>	<b>1859</b>
Post Graduate:																
1	Computer Engg.	0	5	0	0	8	0	0	0	0	0	0	0	0	13	13
2	Digital System	1	0	0	0	3	0	0	0	0	0	0	0	1	3	4
3	Design Engg.	4	1	0	0	0	0	0	0	0	0	0	0	4	1	5
4	Energy Engg.	1	0	0	3	0	0	0	0	0	0	0	0	4	0	4
5	Structural Engg.	8	9	0	5	3	0	0	0	0	0	0	0	13	12	25
<b>Total:</b>		<b>14</b>	<b>15</b>	<b>0</b>	<b>8</b>	<b>14</b>	<b>0</b>							<b>22</b>	<b>29</b>	<b>51</b>
Gross Total:														1037	873	1910
Academic Year: 2016-17 (Under Graduate)																
Sr. No.	NAME OF BRANCH	FIRST YEAR			SECOND YEAR			THIRD YEAR			FOURTH YEAR			GROSS TOTAL		
		CA		Total	CA		Total	CA		Total	CA		Total	CA		Total
		M	F		M	F		M	F		M	F				
1	CIVIL	46	12	58	49	26	75	37	28	65	57	19	76	189	85	274
2	MECHANICAL	47	10	57	60	15	75	51	14	65	60	14	74	218	53	271
3	ELECTRICAL	31	26	57	42	33	75	31	31	62	47	22	69	151	112	263
4	E&TC	50	51	101	48	103	151	46	70	116	51	86	137	195	310	505
5	COMPUTER	30	32	62	28	47	75	20	49	69	32	45	77	110	173	283
6	I.T.	34	25	59	31	47	78	21	45	66	19	51	70	105	168	273
<b>Total:</b>		<b>238</b>	<b>156</b>	<b>394</b>	<b>258</b>	<b>271</b>	<b>529</b>	<b>206</b>	<b>237</b>	<b>443</b>	<b>266</b>	<b>237</b>	<b>503</b>	<b>968</b>	<b>901</b>	<b>1869</b>
Post Graduate:																
1	Computer Engg.	0	8	8	2	7	9							2	15	17

2	Digital System	0	3	3	2	8	10					2	11	13
3	Design Engg.	0	0	0	7	0	7					7	0	7
4	Energy Engg.	3	0	3	1	1	2					4	1	5
5	Structural Engg.	6	3	9	10	3	13					16	6	22
	<b>Total:</b>	<b>9</b>	<b>14</b>	<b>23</b>	<b>22</b>	<b>19</b>	<b>41</b>					<b>31</b>	<b>33</b>	<b>64</b>
<b>Gross Total:</b>												<b>999</b>	<b>934</b>	<b>1933</b>

**10.28 . List of Research Projects/ Consultancy Works**

- Number of Projects carried out, funding agency, Grant received
- Grant Received under Sponsored Research Projects: 2019-2020

Research Project Title	Department	Faculty Investigator	Funding Agency	Grant Received
Optimisation of location for the clean air equipment to maximise the benefits	Mechanical Engg.	Mr. Avinash Kolekar	Cummins India Ltd. Pune	Rs. 3,90,000

- Grant Received under BCUD Sponsored Research Projects: 2016-2018

Research Project Title	Department	Faculty Investigator	Grant Received
EEG based Emotion Recognition	Electronics and Telecom. Engg.	Mr. P. N. Arotale Mr. Premanand Kadbe (Co-Investigator)	Rs. 1,10,000
A Pipeline VLSI architecture for 2-D DWT	Electronics and Telecom. Engg.	Mr. Balasaheb Patil Mr. Premanand Kadbe (Co-Investigator)	1,70,000
Side Scan SONAR Image Analysis: An Application to	Electronics and Telecom. Engg.	Mrs. Jyoti Rangole	1,40,000
Credit Card Fraud Detection using data mining tech	Information Technology	Mr. Dinesh Zende	63,000

- Grant Received under BCUD Sponsored Research Projects: 2014-2016

Research Project Title	Department	Faculty Investigator	Grant Received
Investigation of Nonlinear Effects (Optical Solutions) in Fiber Optic Communication and It's Applications	Electronics and Telecom. Engg.	Mr. Vikas Deshmukh	Rs.1,90,000
A pipelined VLSI Architecture for 2-D DWT	Electronics and Telecom. Engg.	B. H. Patil	Rs.1,70,000
Peak Power to Average Power Reduction of OFDM System Using Modified Selective Mapping Technique	Electronics and Telecom. Engg.	D. T. Kushnure	Rs.1,70,000
Ambient Noise, Characterization in Shallow Depths for Tropical Water of The Indian Ocean Region	Electronics and Telecom. Engg.	S. S. Jagdale	Rs.1,90,000
High speed network intrusion system using stride finite Automata	Computer Engg.	R. H. Ambole	Rs.50,000
Discrimination detection using association rule mining	Computer Engg.	S. S. Nandgaonkar	Rs.70,000
Detection of Adware using Data Mining and Machine Learning Techniques.	Computer Engg.	M. D. Shelar	Rs.50,000
Electricity Transformer Lifetime Estimation using Association Rule Mining	Computer Engg.	P. M. Padulkar	Rs.80,000
Inpainting of Digitized Vintage Films via Maintaining Spatiotemporal Continuity	Computer Engg.	S. A. Shinde	Rs.70,000
Novel Method for movie character identification based on graph matching	Computer Engg.	R. V. Panchal	Rs.70,000
IRIS Recognition system in less constrained	Information	P. M. Patil	Rs.1,20,000

Environment	Technology		
Characterization and comparison of solar selective coatings between Ni-Al and NI-CO on Al substrate	Mechanical Engineering	V. B. Bhagwat	Rs.85,000
Eeg Signal Classification to examine brain activity.	Electronics and Telecom. Engg.	Mr. Shashank Biradar	Rs.1,80,000

- **Grant Received under BCUD Sponsored Research Projects: 2013-15**

Research Project Title	Department	Faculty Investigator	Grant Received
Experimental investigation and analysis recast layer formation in wire electro discharge machining process.	Mech. Engg.	Dr. S. M. Bhosle & S. V. Shelge	2,15,000
Design of C-slot Microstrip Patch Antenna for Wi-Max Application.	Electronics and Telecom. Engg.	Mr. Madan Jadhav	2,00,000
Detection of spyware using data mining and machine learning techniques Duration	IT	Mr. Dinesh Zende	70,000

- **Grant Received under BCUD Sponsored Research Projects: 2012-14**

Research Project Title	Department	Faculty Investigator	Grant Received
Spectroscopic Study of Medicinal and Edible Mushrooms for Development of Optical Sensors for Industrial and Agriculture Applications	General Science	Mr.Anil Disale	90,000
Better Network Security Using Generalized Hill Cipher Algorithm	General Science	Mr.Anil Hiwarekar	1,25,000
Better Network Security Using Generalized Hill Cipher Algorithm	General Science	Mr.Anil Hiwarekar	1,25,000

- **Grant Received from AICTE for the following MODROB Project: 2020-22**

Research Project Title	Department	Name of Investigator	Grant Received
AICTE's PRERNA Scheme	All	Dr. Sachin M. Bhosle	Rs. 5,53,000

- **Grant Received from AICTE for the following MODROB Project: 2012-13**

Title of Project	Department	Project Investigator	Grant Received
Modernization of Microwave Laboratory	Electronics and Telecom. Engg.	Dr. S. B. Deosarkar	Rs. 19,71,950
Non-Destructive Testing of existing structure and rehabilitation	Civil Engineering	Prof. G. N. Narule	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 IIITDM, 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 Centre for International Co-operation in Science(CICS), jointly sponsored by CSIR	1,50,000/- 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 and Development Grant Received (2012-18):

Research Projects, Travel Grant by SP Pune University (From 2011-2016)	Rs. 33,58,000/-
AICTE-MODROB (2012-13)	Rs. 25,71,950/-
Grant for National Workshops by SPPU (2017-18)	Rs.1,22,000/-

### 10.29 Consultancy Works:

Company Name	Company Sector	Incorporation Status	Type of Consultancy /Service	Title of Consultancy /Service	Year	Faculty First Name	Discipline	Fee Received From
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								Indus try (in Rs)
Karne construction	Real Estate	Private	Consultancy & Advisory Service	Construction of office work at Baramati agro ltd. pimpali	2016-2017	Umesh Jagdale	Civil Engineering and Allied	10000
Karne construction	Real Estate	Private	Consultancy & Advisory Service	Extension of Baramati agro office at pimpali, baramati	2016-2017	Umesh Jagdale	Civil Engineering and Allied	13500
Karne construction	Real Estate	Private	Consultancy & Advisory Service	Extension of Baramati agro office at pimpali, baramati	2016-2017	Umesh Jagdale	Civil Engineering and Allied	2700
Surabhi construction	Real Estate	Private	Consultancy & Advisory Service	ETP Project work	2016-2017	Umesh Jagdale	Civil Engineering and Allied	900
Laxmi Civil engineering services pvt.	Real Estate	Private	Consultancy & Advisory Service	Malad water supply scheme, Baramati	2016-2017	Umesh Jagdale	Civil Engineering and Allied	2000
Shri chhatrapati s.s.k.ltd Bhavaninagar	Agriculture	Cooperative	Consultancy & Advisory Service	Gogen work	2016-2017	Umesh Jagdale	Civil Engineering and Allied	3350
Shri chhatrapati s.s.k.ltd Bhavaninagar	Agriculture	Cooperative	Consultancy & Advisory Service	Gogen work	2016-2017	Umesh Jagdale	Civil Engineering and Allied	2700
Shri chhatrapati s.s.k.ltd Bhavaninagar	Agriculture	Cooperative	Consultancy & Advisory Service	Gogen work	2016-2017	Umesh Jagdale	Civil Engineering and Allied	4250
Sandeep Khele and Associates	Real Estate	Private	Consultancy & Advisory Service	Compound wall for Ferrero company	2016-2017	Umesh Jagdale	Civil Engineering and Allied	3300
Baramati Nagarparishad	Others	Government Body	Consultancy & Advisory Service	Third Party Audit	2016-2017	Giridhar Narule	Civil Engineering and Allied	564000
Phadatare Polytechnic, Kalambe	Education	Private	Consultancy & Advisory Service	Students Practicals	2016-2017	Giridhar Narule	Civil Engineering and Allied	3000
Shri chhatrapati s.s.k.ltd Bhavaninagar	Agriculture	Cooperative	Consultancy & Advisory Service	ETP Project work	2017-2018	Umesh Jagdale	Civil Engineering and Allied	2700
Bright- Texmaco- JV	Real Estate	Private	Consultancy & Advisory Service	Construction of OHE Foundation for Railway electrical work between Daund Baramati	2017-2018	Umesh Jagdale	Civil Engineering and Allied	1350

				Section				
Shri chhatrapati s.s.k.ltd Bhavaninagar	Agriculture	Cooperative	Consultancy & Advisory Service	Concrete Cube Testing	2017-2018	Umesh Jagdale	Civil Engineering and Allied	1800
Phadatare Polytechnic, Kalamb	Education	Private	Consultancy & Advisory Service	Students Practicals	2017-2018	Dhiraj	Civil Engineering and Allied	2000
Shri chhatrapati s.s.k.ltd Bhavaninagar	Agriculture	Cooperative	Consultancy & Advisory Service	ETP Project work	2017-2018	Umesh Jagdale	Civil Engineering and Allied	7050
Sandeep Khele and Associates	Real Estate	Private	Consultancy & Advisory Service	Paver Block Testing	2017-2018	Umesh Jagdale	Civil Engineering and Allied	1250
Sandeep Khele and Associates	Real Estate	Private	Consultancy & Advisory Service	Paver Block Testing	2017-2018	Umesh Jagdale	Civil Engineering and Allied	666
Bharuka Construction, Aurangabad	Real Estate	Private	Consultancy & Advisory Service	Procter Density Test	2017-2018	Jyoti Bhong	Civil Engineering and Allied	6919
Gourav Engineers, Baramati	Real Estate	Private	Consultancy & Advisory Service	Concrete Cube Testing	2017-2018	Umesh Jagdale	Civil Engineering and Allied	900
Utkarsh Pvt Ltd.	Real Estate	Private	Consultancy & Advisory Service	Construction of Farm Office	2017-2018	Umesh Jagdale	Civil Engineering and Allied	18900
Shri chhatrapati s.s.k.ltd Bhavaninagar	Agriculture	Cooperative	Consultancy & Advisory Service	Aggregate and Bitumen Testing	2017-2018	Dhiraj Ahiwale	Civil Engineering and Allied	30000
Gourav Engineers, Baramati	Real Estate	Private	Consultancy & Advisory Service	Concrete Cube Testing	2017-2018	Umesh Jagdale	Civil Engineering and Allied	450
Gourav Engineers, Baramati	Real Estate	Private	Consultancy & Advisory Service	Concrete Cube Testing	2017-2018	Umesh Jagdale	Civil Engineering and Allied	450
Bharuka Construction, Aurangabad	Real Estate	Private	Consultancy & Advisory Service	Material Testing	2017-2018	Umesh Jagdale	Civil Engineering and Allied	30700
Sandeep Khele and Associates	Real Estate	Private	Consultancy & Advisory Service	Paver Block Testing	2017-2018	Umesh Jagdale	Civil Engineering and Allied	666
Gourav Engineers, Baramati	Real Estate	Private	Consultancy & Advisory Service	Concrete Cube Testing	2017-2018	Umesh Jagdale	Civil Engineering and Allied	450

Utkarsh Pvt Ltd.	Real Estate	Private	Consultancy & Advisory Service	Construction of Farm Office	2017-2018	Umesh Jagdale	Civil Engineering and Allied	10800
Cottonking	Textiles	Private	Consultancy & Advisory Service	Ultrasonic Concrete Test	2017-2018	Umesh Jagdale	Civil Engineering and Allied	7800
S.P.Lifestyle Brand Pvt Ltd	Textiles	Private	Consultancy & Advisory Service	Core Concrete Test	2017-2018	Umesh Jagdale	Civil Engineering and Allied	2700
Kalyani Global Engg Pvt.Ltd	Engineering	Private	Consultancy & Advisory Service	Concrete Cube Testing	2017-2018	Umesh Jagdale	Civil Engineering and Allied	1350
Utkarsh Pvt Ltd.	Real Estate	Private	Consultancy & Advisory Service	Concrete Cube Testing	2017-2018	Umesh Jagdale	Civil Engineering and Allied	1350
Kalyani Global Engg Pvt.Ltd	Engineering	Private	Consultancy & Advisory Service	Concrete Cube Testing	2017-2018	Umesh Jagdale	Civil Engineering and Allied	1350
Kalyani Global Engg Pvt.Ltd	Engineering	Private	Consultancy & Advisory Service	Concrete Mix Design	2017-2018	Umesh Jagdale	Civil Engineering and Allied	10000
Shri chhatrapati s.s.k.ltd Bhavaninagar	Agriculture	Cooperative	Consultancy & Advisory Service	Concrete Cube Testing	2017-2018	Umesh Jagdale	Civil Engineering and Allied	8100
Utkarsh Pvt Ltd.	Real Estate	Private	Consultancy & Advisory Service	Concrete Cube Testing	2017-2018	Umesh Jagdale	Civil Engineering and Allied	5400
Kalyani Global Engg Pvt.Ltd	Engineering	Private	Consultancy & Advisory Service	Testing of Construction Material	2017-2018	Umesh Jagdale	Civil Engineering and Allied	13860
Shri chhatrapati s.s.k.ltd Bhavaninagar	Agriculture	Cooperative	Consultancy & Advisory Service	Concrete Cube Testing	2017-2018	Umesh Jagdale	Civil Engineering and Allied	3000
Kalyani Global Engg Pvt.Ltd	Engineering	Private	Consultancy & Advisory Service	Concrete core Testing	2017-2018	Umesh Jagdale	Civil Engineering and Allied	900
Kalyani Global Engg Pvt.Ltd	Engineering	Private	Consultancy & Advisory Service	Concrete core Testing	2017-2018	Umesh Jagdale	Civil Engineering and Allied	900
Kalyani Global Engg Pvt.Ltd	Engineering	Private	Consultancy & Advisory Service	Concrete core Testing	2017-2018	Umesh Jagdale	Civil Engineering and Allied	900
Kalyani Global Engg Pvt.Ltd	Engineering	Private	Consultancy & Advisory Service	Concrete Cube Testing	2017-2018	Umesh Jagdale	Civil Engineering and Allied	1350
Utkarsh Pvt Ltd.	Real Estate	Private	Consultancy & Advisory Service	Concrete Cube Testing	2017-2018	Umesh Jagdale	Civil Engineering and Allied	4050

Utkarsh Pvt Ltd.	Real Estate	Private	Consultancy & Advisory Service	Concrete Cube Testing	2017-2018	Umesh Jagdale	Civil Engineering and Allied	1350
Savitribai Phule Pune University	Education	Government Body	Contractual Research	Experimental Investigation and analysis of dynamic response of conical compression spring in comparison with cylindrical in shock absorber		Prachi Kale	Mechanical Engineering and Allied	170000
Savitribai Phule Pune University	Education	Government Body	Contractual Research	Critical card fraud detection using data mining techniques		Dinesh Zende	Computer & IT Engineering and Allied	63000
Savitribai Phule Pune University	Education	Government Body	Contractual Research	Side Scan Sonar Image Analysis, An application to Sediment Classification		Jyoti Rangole	Electronics Engineering and Allied	140000
Savitribai Phule Pune University	Education	Government Body	Contractual Research	An Image Processing Solution to Frozen semen straw counting problem		Aparna Shatri	Electronics Engineering and Allied	160000
Savitribai Phule Pune University	Education	Government Body	Contractual Research	EEG based emotion recognition		Parshuram Arotale	Electronics Engineering and Allied	110000
Savitribai Phule Pune University	Education	Government Body	Contractual Research	Use Social media to know the place : Visual summerization of Geo-location using social media		Dr.Sheetal Takale	Computer & IT Engineering and Allied	100000
Savitribai Phule Pune University	Education	Government Body	Contractual Research	Finding heart rate, heart rate variability, respiration rate, oxygen saturation level from video recording by laptop or smart phone		Gyankamal Chhajed	Computer & IT Engineering and Allied	72000
RVNL Baramati	Engineering	Private	Consultancy & Advisory Service	Concrete Cube Testing	2018-19	Umesh Jagdale	Civil Engineering and Allied	1485
RVNL Baramati	Engineering	Private	Consultancy & Advisory Service	Concrete Cube Testing	2018-19	Umesh Jagdale	Civil Engineering and Allied	2970

Bright- Texmaco- JV	Engineerin g	Private	Consultanc y & Advisory Service	Concrete Cube Testing	2018- 19	Umesh Jagdale	Civil Engineeri ng and Allied	2970
Bright Power projects pvt. Ltd	Engineerin g	Private	Consultanc y & Advisory Service	Concrete Cube Testing	2018- 19	Umesh Jagdale	Civil Engineeri ng and Allied	4455
RVNL Baramati	Engineerin g	Private	Consultanc y & Advisory Service	Concrete Cube Testing	2018- 19	Umesh Jagdale	Civil Engineeri ng and Allied	495
Bright Power projects pvt. Ltd	Engineerin g	Private	Consultanc y & Advisory Service	Concrete Cube Testing	2018- 19	Umesh Jagdale	Civil Engineeri ng and Allied	9295
Govind Millk Phalatan	Engineerin g	Private	consultanc y & Advisory Service	Ultrasonic Pulse Velocity	2018- 19	Umesh Jagdale	civil Engineeri ng and Allied	6435
Govind Millk Phalatan	Engineerin g	Private	consultanc y & Advisory Service	Ultrasonic Pulse Velocity	2018- 19	Umesh Jagdale	civil Engineeri ng and Allied	7150
Bright- Texmaco- JV	Engineerin g	Private	consultanc y & Advisory Service	Concrete Cube Testing	2018- 19	Umesh Jagdale	civil Engineeri ng and Allied	2970
Bright- Texmaco- JV	Engineerin g	Private	consultanc y & Advisory Service	Concrete Cube Testing	2018- 19	Umesh Jagdale	Civil Engineeri ng and Allied	7425
Bright- Texmaco- JV	Engineerin g	Private	Consultanc y & Advisory Service	Concrete Cube Testing	2018- 19	Umesh Jagdale	Civil Engineeri ng and Allied	4455
Bright- Texmaco- JV	Engineerin g	Private	Consultanc y & Advisory Service	Concrete Cube Testing	2018- 19	Umesh Jagdale	Civil Engineeri ng and Allied	1485
Bright Power projects pvt. Ltd	Engineerin g	Private	Consultanc y & Advisory Service	Concrete Cube Testing	2018- 19	Umesh Jagdale	Civil Engineeri ng and Allied	1485
Bright Power projects pvt. Ltd	Engineerin g	Private	Consultanc y & Advisory Service	Concrete Cube Testing	2018- 19	Umesh Jagdale	Civil Engineeri ng and Allied	1485

Bharuka Constructi on, Aurangabad	Engineerin g	Private	Consultanc y & Advisory Service	Concrete Cube Testing	2018-19	Umesh Jagdale	Civil Engineeri ng and Allied	30681
Shri chhatrapati s.s.k.ltd Bhavaninagar	Engineerin g	Private	Consultanc y & Advisory Service	Concrete Cube Testing	2018-19	Umesh Jagdale	Civil Engineeri ng and Allied	1800
Bright Power projects pvt. Ltd	Engineerin g	Private	Consultanc y & Advisory Service	Concrete Cube Testing	2018-19	Umesh Jagdale	Civil Engineeri ng and Allied	1350
Shri chhatrapati s.s.k.ltd Bhavaninagar	Engineerin g	Private	consultanc y & Advisory Service	Concrete Cube Testing	2018-19	Umesh Jagdale	Civil Engineeri ng and Allied	2700

- **Publications (if any) out of research in last three years out of masters projects**

Total research Publication: 454

### 10.30 Industry Linkage –

Company Name	Compa ny Sector	Incorpora tion Status	Year	Level	Discipline
Zensar	IT	Private	2017-2018	Degre e	Computer & IT Engineering and Allied (NIT, IIT, IIIT)
Incubxperts	IT	Private	2017-2018	Degre e	Computer & IT Engineering and Allied (NIT, IIT, IIIT)
Raykor	IT	Private	2017-2018	Degre e	Computer & IT Engineering and Allied (NIT, IIT, IIIT)
Extentia Information Technology Private Limited	IT	Private	2017-2018	Degre e	Computer & IT Engineering and Allied (NIT, IIT, IIIT)
Syntel	IT	Private	2017-2018	Degre e	Computer & IT Engineering and Allied (NIT, IIT, IIIT)
Bharat Forge Private Limited	Autom obiles	Private	2017-2018	Degre e	Mechanical Engineering and Allied
Ardizen Network	Consult ing	Private	2017-2018	Degre e	Mechanical Engineering and Allied
Ardizen Network	Consult ing	Private	2017-2018	Degre e	Electronics Engineering and Allied
Bharat Forge Private Limited	Autom obiles	Private	2016-2017	Degre e	Mechanical Engineering and Allied
Piaggio Vehicles Private Limited Baramati	Autom obiles	Private	2016-2017	Degre e	Mechanical Engineering and Allied
Efficient Fire Services Hapsar Pune	Energy	Private	2016-2017	Degre e	Mechanical Engineering and Allied
Extentia Information Technology Private Limited	IT	Private	2016-2017	Degre e	Computer & IT Engineering and Allied (NIT, IIT, IIIT)
Metamagics Pune	IT	Private	2016-2017	Degre e	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

**10.31 MoUs with Industries :**

Name of Organization	Subject/Area of MOU
Maharashtra Center of Entrepreneurship Development	Collaboration Agreement to promoting and reinforcing Entrepreneurship Development
College of Engineering, Pune (COEP)	Collaboration Agreement to promoting and reinforcing Institutional Academics and Research Cooperation.
The Indian Institute of Welding (IIW)	Promotion and advancement of welding science and technology in India.
IIT BOMBAY, Powai, Mumbai	Remote Centre in the Distance Engineering Education Programmes (CDEEP) conducted by IIT Bombay
Nashik Engineering Cluster, NASIK	Government Sector

Information regarding Memorandum of Understanding signed by institute.					
Name of Institute and DTE Code	Sr. No.	MOU Signed with Industry/Organization	Date of Signing MOU	Purpose of MOU	Outcome/Beneficiaries
Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering & Technology, Baramati, Dist-Pune <b>EN6284</b>	1	North Carolina State University, USA	14/09/2011	To enhance educational capabilities of the institute	
	2	Michigan Technological University, Houghton, USA	22/10/2013	Faculty Students Exchange	Two Faculty admitted for Ph.D. programme at Michigan Technological University, USA
	3	Zensar Technologies Limited	24/01/2017	Training and Placement activity for Undergraduate students	Comp and IT Branch has received training under CSR Activity year 2017-18,2018-19.Placement offered to 3 Students
	4	College of Engineering, Shivajinagar, Pune	18/02/2017	Faculty Exchange ,R&D Work ,R&D Projects	
	5	COEP'S BHAU Institute	28/08/2017	Mentoring ,R&D ,Student Engagement through Internship	

	6	Science and Technology Park, Pune	28/08/2017	Proposed Atal Incubation Centre activity	
	7	Krishi Vigyan Kendra Baramati	29/08/2017	Business Innovation and Incubation activity	
	8	ICAR-National Institute of Abiotic Stress Management, Malegaon, Baramati	26/09/2017	Proposed Atal Incubation Centre activity	
	9	Rural Industries Development Association	27/09/2017	Proposed Atal Incubation Centre activity	
	10	Baramati Chamber of Commerce & Industries, Baramati	27/09/2017	Proposed Atal Incubation Centre activity	
	11	Nashik Engineering Cluster, Nashik	17/11/2017	Skill Development Training	
	12	Indian Institute of Welding Pune Branch	01/05/2017	Welding Science and Technology for UG and PG students	
	13	MCED Pune	28/12/2018	Communication skills and Interpersonal skills ,Learn to identify problems, Learn to identify and manage resources ,Ethical behaviour	Training program for staff and Students
	14	RSC IT Consulting Baramati	02/07/2019	Curriculum Design,Industrial training ang Visits,Research and Development	Software Development,Campaign Management ,Training Solutions
	15	Aishwarya Allied Foods Baramati	02/06/2019	Faculty Development Programme ,Industrial training ang Visits,	Internships and Placement of Students
	16	Mukti Township Developmeny and Construction Company Private Limited Baramati	02/06/2019	Infrastructure Development (Civil Engineering),Inter nship Development and Placement of Students	Industrial Training and Visit, Skill Development

	17	Seiton Technologies Private Limited Pune	02/07/2019	Automation Solution Provider, Skill Development, Research and Development Projects	Support control and automation projects, Project Management Methodology
	18	Bhosale Consultants Baramati	02/08/2019	Construction experience sharing, Cooperation, Curriculum Design, Training Methodology, Industrial Training Programm	Internships and Placement of Students, Faculty Development

- Recipients of Summer Research Fellowships**

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

- Patents 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	Dr.Sudhir Lande Dr.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	Dr.Sudhir Lande Dr.Vinay Nagalkar Mr.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	Dr.Sudhir Lande Dr.Vinay Nagalkar	E&TC	201921046614	Filed	15/11/2019

		Shinde Payal Yadav					
4.	Easy Care Smart Water Bottle For Next Generation	Vaijnath Khomane Shivpriya Yadav Swanand Khaladkar Mauli Shinde Elakkiya Sundaram Mayur Shinde Payal Yadav	Dr.Sudhir Lande Dr.Vinay Nagalkar	E&TC	201921046613	Filed	15/11/201 9
5.	Electrical Appliance Monitoring and Saver Device For Institution	Poonam Jadhav. Shubham Hanamante Chaitanya Sable Vaishnavi Kanade Nirmal Kumbhar Sanket Arde	Dr.Sudhir Lande Dr.Vinay Nagalkar	E&TC	201921046619	Filed	15/11/201 9
6.	Antitheft System for Electric Motor Pump	Sourabh Kalebere Pratiksha Gaikwad Anikate Hole	Dr.Sudhir Lande Dr.Vinay Nagalkar	E&TC	201921046616	Filed	15/11/201 9
7.	Design of Automation Sugarcane Cutter with Bud Detection	Aishwarya Fhulari	Dr.Sudhir Lande Jyoti Rangole Dr.Vinay Nagalkar	E&TC	201921046618	Filed	15/11/201 9
8.	Automated cotton Plucking Robot	Rushikesh kale Vaijnath Khomane Nivrutti Kadam Samata Survase Poonam Jadhav Vaishnavi Vidhate Shraddha Raje	Dr.Sudhir Lande Dr.Vinay Nagalkar	E&TC	201921046617	Filed	15/11/201 9
9.	Smart Surface Mounting Device	-	Dr.Sudhir Lande Dr.Vinay Nagalkar	E&TC	201921046621	Filed	15/11/201 9
10.	Multipurpose Egg Hatcher Machine	Paigambar Shaikh Shanno Sayyed Uzma Shaikh	Mrs. Jyoti Rangole	E&TC	201921038268	Filed	-
11.	Low Cost Underwater	Sohel Shaikh.	Mrs. Jyoti Rangole	E&TC	201921038265	Filed	-

	Glider For Scientific Data Aquisition.	Shubham Kumbhar. Bhupali Nagane.					
12.	Cotton Sowing mechanis M/Machine For Vidarbha Region	-	Dr.Sudhir Lande Dr.Vinay Nagalkar	E&TC	201721004159	Filed	06/02/2017

- **IPR Training Programme**

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

- **Centers of Excellence**

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

### 10.32 Entrepreneurship Development Cell Activities (year 2019-20)

Sr. No.	Activity Details	Conducted by	Date	Venue	Audience
1	Entrepreneurship Awareness Camp	Science Technology Park, Pune	10 -01-2019 To 12-01-2019	VPKBIET, Baramati	79 students of final year engg. participated
2	Entrepreneurship Awareness camp	Science Technology Park, Pune	17-01-2019 To 19 Jan 2019	VPKBIET, Baramati	100 students from final year and pre-final year engg. participated
3	A talk and mentoring clinic on Science and Technology Entrepreneurship and	Venture Center, Pune	05-02-2020	VPKBIET, Baramati	200+ students from S&T background of five VP institutes

	Funding Opportunities				
4	Two day Mentor Development Programme	Bharatiya Yuva Shakti Trust	14-02-2020 To 15-02-2020	VPKBIET, Baramati	28 faculty Members from VPKBIET
5	Two day Mentor Development Programme	Bharatiya Yuva Shakti Trust	28-02-2020 To 29-02-2020	VPKBIET, Baramati	28 faculty Members from VPKBIET

• **Achievements of students and faculty members in Innovation/Startup Competition**

1. Participation of students in Ignited Innovators of India ( i2i ) 2019-2020 competition organized by Bhau Cell of COEP

**Eleven student project ideas were shortlisted second round of i2i 2019-2020 competition**

Sr.No	Name of Group Leader	Department	Name of Guide	Project Title
1	Akshay Anil Nalawade	Mechanical Engineering	Dr.V.B.Gawande	Pesticide Flow Repellent Helmet for Farmers
2	Kumbhar Vivek Vasant	Electrical Engineering	Prof. Deepak Yeole	Self Power Infrastructure of Gym Building
3	Kumbhar Vivek Vasant	Electrical Engineering	Prof. Deepak Yeole	Smart Irrigation: An Approach Towards Better Agricultural Development in A India
4	Pranali Kadam	Electrical Engineering	Ms. Srimanti Rokade	Generation of Sustainable Energy at Bus Stand Using Piezoelectric Material
Sr.No	Name of Group Leader	Department	Name of Guide	Project Title
5	Ashwini Narayan Kolekar	Electrical Engineering	Prof.Pavan Upadhye	Adaptive Headlight System for Accident Prevention
6	Kiran Sonkamble	Electrical Engineering	Dr.N.B.Wagh	Electrifying Roadway
7	Kiran Sonkamble	Electrical Engineering	Dr.N.B.Wagh	New Form of Energy for Electrical Vehicles
8	Shaikh Paigambar Rashid	E&TC	Mrs. Jyoti Rangole	Multipurpose Egg Hatcher Machine
9	Aditi Ashok Ingale.	Computer Engineering	Prof.A.S.Disle	Biodegradable Plastic
10	Mansuke Ajit Daskar	Civil Engineering	Dr.S.G.Morkhade	Dynamic Analysis of Steel Castellated Beams
11	Vivek Bandu Jadhav	Civil Engineering	Ms. S.R.Deshmukh	Comparative Analysis of Water Distribution network by Epanet and Watergems for Jalochiarea

**Four project ideas were shortlisted third round of i2i 2019-2020 competition**

Sr. No.	Name of students	Department	Name of Guide	Title of Project
1	Akshay Anil Nalawade	Mechanical Engineering	Dr.V.B.Gawande	Pesticide Flow Repellent Helmet For Farmers
2	Aditi Ashok Ingale.	Computer Engineering	Prof.A.S.Disle	Biodegradable Plastic
3	Shaikh Paigambar Rashid	E&TC	Mrs.Jyoti Rangole	Multipurpose Egg Hatcher Machine
4	Mansuke Ajit Daskar	Civil Engineering	Dr.S.G.Morkhade	Dynamic Analysis of Steel Castellated Beams

2. Two projects received incubation from Atal Incubation Centre At Agricultural Development Trust Baramati  
Project Title:

1. Multipurpose Egg Hatching Machine

Name of Student: Paigambar Shaikh

Name of Guide: Jyoti Rangole

2. Automatic Sugarcane Bud Detection and Cutting System

Name of Student: Aishwarya Fulari

Name of Guide: Dr. Sudhir Lande, Mrs. Jyoti Rangole, Mr. Vinay Nagalkar

3. The project titled, Sugarcane Bud Detection and Cutting Machine developed by the Ms. Aishwarya Fulari, Mr. Anuj Fulari students of E&TC Department and faculties Jyoti Rangole and Dr. Vinay J Nagalkar won Second Prize at Navonmesh 2020, organized by, Atal Incubation Center, ADT, Baramati.

4. Project titled, Multipurpose Egg Hatcher Machine shortlisted for quarter final round of AICTE, DST and Texas Instruments India Innovation Challenge Design Contest.

Shortlisted Students

1. Paigambar Shakh B.E (E&Tc)
2. Prerna Kumbhar B.E(E&Tc)
3. Kanchan Rajguru B.E(E&Tc)
4. Swapnil Jadhav T.E(E&Tc)
5. Poonam Jadhav T.E(E&TC)

5. TE(E&Tc) students received consolation prize for project titled, Underwater Robot for Scientific Data Acquisition at IETE, Pune Centre Innovation 2019 Project Competition

Name of Students:

1. Sohel Shaikh
2. Bhupali Nagane
3. Suraj More

Name of Mentor: Jyoti Rangole

6. TE(E&Tc) students project titled, Smart Energy Meter got shortlisted among top 18 projects in IETE, Pune Centre Innovation 2019 Project Competition

Name of Students:

1. Kanchan Rajguru
2. Shubhangi Pawar

Name of Mentor: Jyoti Rangole

7. TE(E&Tc) students project titled, Underwater Robot for Scientific Data Acquisition shortlisted among top 21 teams from all over India in eYIC 2019 competition, organized by IIT, Bombay on 5th and 6th April 2019.

Student Team:

1. Sohel Shaikh
2. Shubham Kumbhar
3. Bhupali Nagne
4. Komal Nagawade

Name of Mentor: Jyoti Rangole

8. Students and faculty members participated in Krushik 2020 Expo and exhibited their agricultural products to Hon. CM, Hon. DCM, Maharashtra State, eminent scientists, guests and farmers.

• **Student Startups Registration in Year 2019-2020**

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

• **Product Development year (2019-20)**

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

- **Funding Proposals Submitted/In Process**

Sr. No.	Scheme	Funding Agency	Year of application	Remark
1	NewGen IEDC	DST	13 July 2019	Result Awaited
2	NIDHI PRAYAS	DST	2020	Student proposals submission in process (Mech: 2 EnTc:1)
3	NIDHI EIR	DST	2020	Student proposals submission in process (EnTc: 2)

### 10.33 LoA and subsequent EoA till the current Academic Year

F.No. Western/01-42622106086/2019/EOA dated 29-Apr-2019

**10.34 Accounted audited statement for the last three years : Available**

### 10.35 Best Practices adopted, if any

#### 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.

### Mechanical Engineering -

1. Award of faculty for 100% result (Planned)
2. Best Outgoing student of the department (Planned)
3. Class topper and Subject Topper
4. 100% attendance award for each class.
5. Skill based trainings of students to bridge a gap between university and industry (conduction of courses which are liked to be aligned with industry)
6. Departmental Alumni Association
7. Providing Internship opportunities
8. In-house GATE coaching
9. Training and placement activities
10. Encouragement of students for extracurricular activities through professional bodies.like SAE Baja, Supra
11. Regular counseling and motivating students and parents for career update issues.
12. Teacher guardian scheme.
13. Student mentoring through various activities like, 4c training, Aptitude test.
14. Participative learning of students through model making, poster presentation for easy understanding of the subjects.
15. Concept of Lab Manual and Work book for relevant subjects.
16. Involvement of student representatives in departmental meeting related to academic activities (Planned).
17. MOOC's courses for students and staff (Teaching and Non-teaching).
18. Awareness program on Entrepreneurship development.
19. Google class rooms for better preparation.
20. Feedback system.
21. Remote center for FDP programs.
22. Earn while learn scheme.
23. Best student mentor (Planned)
24. Industrial visits/tours.
25. Faculty training at industries.
26. Best Project Prize.

### Electrical Engineering

1. QEEE Training programmes and NPTEL Courses for students under mentorship of faculty.
2. Regular industrial visits to make students acquainted of the industrial process and real practical experience.
3. Industrial training programmes during vacations to make them prepared for industrial environment and practices of industry.
4. Students association to showcase the talent and use for overall personality development and working habits in a group.
5. GATE classes to prepare the students for competitive environment
6. Involvement of faculty to undergo the training programmes and attending the conferences.

### Electronics and Telecommunication Engineering(E. & TC.)

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.

### **Computer Engineering.**

#### **Google Classrooms:**

##### **Goal :**

To provide 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 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.

#### **Online Certification Courses (NPTEL, UDEMY, MATHWORKS):**

##### **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/UDEMY/MATHWORKS courses. Distinguished 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: 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**

#### **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.

#### **Poster Preparations**

##### **Goal:**

To prepare students for Participating in State and National Level Project Presentations

##### **Implementations :**

Final Year students are guided to prepare posters of their Project. Department scheduled intra-college Presentation activity to make them aware about these competitions. Encouraged students to participate in AVISHKAR, PGCON to showcase their strengths and knowledge.

##### **Output :**

Students started to participate in intercollegiate and AVISHKAR Competitions

#### **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 Faculty. Faculty conducts meetings of these students once in week preferably on starting day of week. In meeting, 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.

#### **Eklavya Aptitude Test Series**

**Goal :** To prepare students for Online Competitive Examination/Aptitude Test

**Implementation:** Under the Flagship of Eklavya, Once in month Aptitude test for various subjects are conducted. Results were discussed with students and possible improvements are communicated to them.

**Output:** Increase in Placements.

#### **Awards to Faculty, Students**

**Goal:**

To Encourage Faculty and Student to perform best in their respective area

**Implementation:**

Awards are given to Faculty and Students in following categories.

1. **Topper in Class:** Both Semester Topper (Highest Total) is awarded with Certificate of Appreciation.
2. **100 % Subject Result:** Faculty who got 100 % result in their subject awarded with Certificate of Appreciation.

**Output :** Increase in Subject Result and Overall Performance of Students

#### **Information Technology :**

##### **Online Certification Courses (NPTEL, COURSERA, UDEMY,MATHWORKS,EDX):**

**Goal:**To facilitate faculty and students with state-of-the-art high quality teaching/learning content to keep them updated.

**Implementation:** Students and faculties register for online courses on COURSERA, EDX, NPTEL, UDEMY AND Mathworks. Renowned professors from foreign universities, 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:** Faculties and students have explored various areas of Information Technology

##### **Online Learning Platform: YouTube, Google Classroom**

**Goal:** Provide Easy Access to teaching learning Materials

**Implementation:** Subject teachers create Google classroom for each theory and practical subjects. Google Classroom facilitates paperless communication between teachers and students and streamline educational workflow. Google Classroom allows teachers post assignments, organize folders, conduct examinations and view work in real-time.

Subject Teachers also prepare video lectures and upload on YouTube channel.

##### **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.

Class toppers are awarded with Certificate of Appreciation.

Faculties with 100% result for their subjects are felicitated with mementos.

**Output:** Increase in overall academic performance of the students.

1. Faculties & students are encouraged to appear in online certification courses like NPTEL, Udemy, EdX.
2. College has provided access to Free and Open Source (FOSS) Spoken tutorials. Students appear in the spoken tutorial examination and get the certifications free of cost.
3. Department encourages student to appear in GATE exam. & conducts the GATE classes for them.
4. College rewards the toppers of each class in annual functions.
5. Industrial visits & Tech. festival visits are organized for students. to make them aware about recent advancements in Technology.
6. Various training programmes are organized for students to develop their employability skills.
7. . Various competitions like programming, poster presentation, Idea presentation are organized for students.
8. Alumni are invited in the campus to deliver expert talk on modern technologies & to interact with students.
9. Students are encouraged to participate in the technical events, cultural events and in sports.
10. Faculties are encouraged and supported to participate in Faculty Development programs, conferences and workshops