



**JSPM'S  
NTC**

Approved by AICTE  
Affiliated to Savitribai Phule Pune University



Estd. 2011

## JSPM Group of Institutes, Pune Success Story ...



**TOTAL NUMBER  
OF INSTITUTES**

**78**

**NUMBER OF  
STUDENTS: 50,000  
STAFF: 10,000**

**NUMBER OF  
STUDENTS: 150  
STAFF: 10**



**ENGINEERING**

**MBA**

**PHARMACY**

**Research  
Centers**

**POLYTECHNIC**

**MCA**

**B.Ed./D.Ed.**

**Schools & Junior  
Colleges**

# ANNUAL REPORT 2017-18

**JSPM's Narhe Technical Campus, Narhe.**

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**Annual Report of  
The Academic Activities of the Institute  
Year 2017-18**

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# **Annual Report of**

## **1. Academic Activities of the Institute**

## 1) Annual Report of the Academic Activities of the Institute

JSPM Narhe Technical Campus was established in July 2011. Our Institute is duly recognized by the All India Council for Technical Education (AICTE), New Delhi and it is affiliated to the Savitribai Phule Pune University, Pune. We have received the certificate of ISO 9001:2015. We are conducting five post graduate and four Under Graduate (B.E.) degree courses.

### A. Under Graduate Courses:

- Civil Engineering
- Computer Engineering
- Electronics & Telecommunication Engineering
- Mechanical Engineering

### B. Post Graduate Courses:

- MBA
- MCA
- M.E. (Computer Engineering)
- M.E (E&TC Engineering)
- M.E. (Mechanical Engineering)

We are located in nearby biggest industrial belt in Pune and Pimpri-Chinchwad Corporation. It is noteworthy that many of our students are pursuing higher degree at reputed Universities of abroad. As regards teaching faculty, we are having qualified and dedicated teaching faculty backed by ultra-modern teaching aids and infrastructure to keep pace with the fast changing engineering education. We are strong in Industry-Institute interaction and our placement scenario is really bright. As a result, our students are highly motivated and spirited in pursuing their engineering education at the Institute.

### 3) Note of the activities

As per the University notifications, Classes for above mentioned courses are commenced as per the guidelines of the Savitribai Phule Pune University, Pune for each semester.

Academic Planning and Implementation team was formed at Institute level. Brain storming sessions were held for formulating the activities of the team. Following reforms were made considering the trend analysis.

- Identify the subjects where students need extra guidance.
- Extra tutorial sessions were arranged for such subjects.
- Mid- semester test and prelims were conducted.
- Remedial classes for slow learners were organized.
- National seminars and workshops in upcoming areas were organized by every department.

Detailed Academic Calendar including all these reforms, was planned well in advance for the whole year and was detailed to all the students on the last day of the previous semester exams.

### 4) For strengthening academic performance, the following measures were rigorously implemented.

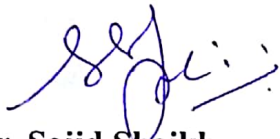
#### ➤ Faculty:

- Course files containing syllabus, lesson planning and scheduling, subject notes, innovative ideas for learning centric activity, question banks, tutorials etc. prepared by the faculty is ensured by the academic team consisting of HOD and senior faculty of the department.
- For self development attending seminars, conferences and paper publications were advised.

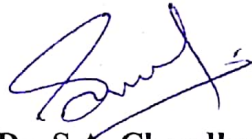
#### ➤ Students:

- For smooth conduct of lectures and practical, academic monitoring committee has been formed.
- Average attendance in all the classes has been more than 80%.
- Class teachers and GFM were appointed for their academic and personal counseling.
- Anti- ragging cell for students is formed and implemented.
- Remedial classes for slow learners were conducted.

- Soft skill classes for FE and SE students were organized by expert faculty.
- Institute is having Active NPTEL local chapter for faculty and students for advance learning.
- Functional MOUs helps the student to enhance their knowledge
- TE and BE students were provided guidance for GD, PI and aptitude tests by internal and reputed external agency.



**Dr. Sajid Shaikh**  
AMC, Coordinator

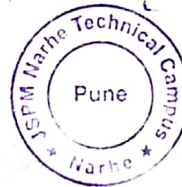


**Dr. S.A. Choudhari**  
IQAC, Coordinator



**Dr. R. K. Lad**  
DIRECTOR

Director  
JSPM Narhe Technical Campus  
Narhe, Pune - 411 041



# **Annual Reports of**

## **A. Civil Engineering**



## Department of Civil Engineering

### 1) About the Department:

The Civil Engineering department was established in 2011-2012. The flagship program of department is undergraduate course in Civil Engineering. The department has eleven (11) Laboratories equipped with equipment and tools, software etc.

The department is dynamic in keeping pace with global advancements. Most of the faculties are doing field work. Students of the department are working on projects based on recent development in Engineering and Technology. The department has adaptive teaching learning process. The department has departmental library with books and online National and International journals.

### A) Under Graduate student Sanctioned Strength for AY 2017-18:

Year	Students Intake
SE	120
TE	120
BE	120

### 2) Academic Achievements by Students:

- Academic Result of SE/TE/BE is good comparative to University

### 3) Staff Development and Training:

- Dr. S. B. Khaple have completed his Ph.D. in Water Resources
- Prof. S. S. Bansode, and Prof. V. V. Muthekar are pursuing Ph.D.

### 4) Seminar Conferences and Workshops organized:

- Nil

### 5) Paper Published in Journals:

<b>Sr. No.</b>	<b>Name of Paper</b>	<b>Name of Faculty</b>	<b>Journal Name / Issue / Volume</b>	<b>Month Year of publication</b>
1.	Ageing Management and Life Extension of Concrete in Nuclear Power Plants	S.D. Kore, A.K. Vyas	Powder Technology (Springer), Vol.321	Nov. 2017
2.	Packing Density Approach for Sustainable Development of Concrete	S.D. Kore, A.K. Vyas	Journal of Materials and Engineering structures, Vol.4No. 4	Nov. 2017
3.	Estimation of Optimum Pipe Diameter Using Genetic logarithm	P. M. Indi, P. V. Wayal, S. A. Choudhari	International Journal for science and advance research in technology, Vol 4, Issue 3, Pg No 198-201	Mar-18
4.	Various Surface Treatment Method and their effects on Properties of Recycled Concrete aggregate	P. M. Indi, P. V. Wayal, S. A. Choudhari	International Journal for science and advance research in technology, Vol 4, Issue 3, pg No 202-207	Mar-18
5.	Design consideration for seismic foot bridge : A case study	D. A. Zamre	International Journal for science and advance research in technology, Volume 4 Issue 3	Mar-18
6.	Concrete mix design with soft computing techniques using ACI and IS codes	N. V. Chaple	International Journal for science and advance research in technology, Vol 4 Issue 2	Feb-2018
7.	A Review Study on Biogas Production	A. Sharma	International Journal for science and advance research in technology	Feb-2018
8.	Nitrate removal from ground water using activated carbon technique prepared from sludge from paper industry	Mahesh Anap	International Journal for science and advance research in technology	Feb-2018
9.	A Study on use of Cactus in different sizes to remove turbidity	Mahesh Anap	International Journal for science and advance research in technology	Feb-2018
10.	Performance of RC Structure with and without infill wall Subjected to Seismic Load	I. M. Jain	International Journal for science and advance research in technology	Feb-2018
11.	“Mitigation of seismic pounding between adjacent building”	S. S. Deshpande, P. P. Naik	International Journal for science and advance research in technology	2018

Sr. No.	Name of Paper	Name of Faculty	Journal Name / Issue / Volume	Month Year of publication
12.	Comparative study of tubular and steel structure for a roof truss	Vishakha Padmawar	International Journal for science and advance research in technology	2018

#### 6) Training Programs:

Nil

#### 7) Extra Curricular activities by students:

##### a) NSS:

05 Students enthusiastically participated and volunteered in the various activities conducted by NSS viz. Tree Plantation, Campaigning on Water pollution control activity in collaboration with National Chemical Laboratory(NCL), Dev Dya Devpan Ghya ( Eco Ganesh Visarjan Under Swachata Abhiyan ), Cyclothon-Aathvanitla Pune Cyklincha Pune, Blood Donation Camp, NSS Special Camp At Salwade, Free Medical Checkup & Medicine Distribution, New Year Celebration With Sumit Balwan Orphanage, Volunteering at Trityam Vishwa Ved Vidhyan Sammelan, Elocution competition "Speak for Nation " etc.

##### b) CESA:

All Civil engineering students have actively participated in various activities conducted by CESA viz. Fresher's welcome party, farewell etc.

#### 8) Industry Institute Interaction:

TE students have completed 01-month internship on construction site, design office etc.

#### 9) Academic planning for the year 2017-18

Month	Date	Activity
June	12.06.2017	Academic Planning committee meeting
	12.06.2017	Work load distribution and informing allocation of subjects to faculty
	15.06.2017	Display of time table for the next semester

Month	Date	Activity
	15.06.2017	Reporting and commencement of theory and practical classes for S.E/T.E/B.E students
	30.06.2017	BE Project group finalization
July	03.07.2017	H.O.D meeting with Principal
	11.07.2017	Guest Lecture
	28.07.2017	Student Feedback
	31.07.2017	BE Project review
	31.07.2017	Display of monthly attendance record of Students and informing parents regarding attendance
August	2 <sup>nd</sup> to 4 <sup>th</sup> August 2017	Class test - I for S.E/T.E/B.E Students
	31.08.2017	Display of monthly attendance record of Students and informing parents regarding attendance of defaulters
September	01.09.2017	Departmental meeting
	08.09.2017	DSE Induction
	09.09.2017	Parents meet
	18.08.2017	Student Council formation
	30.09.2017	Display of monthly attendance record of Students & informing parents regarding attendance of defaulters
October	03.10.2017	SE Guest Lecture
	06.10.2017	BE Project review
	11 to 14 Oct 2017	Mock OR/PR and final submission
	16.10.2017	Conclusion of term for S.E/T.E / B.E students
	16.10.2017	Display of final detention list of students
November-December	15.12.2017	<ul style="list-style-type: none"> <li>H.O.D meeting with Principal</li> <li>Planning for Second semester and allotment of work load</li> </ul>
	18.12.2018	Display of time table for the Second semester
January	02.01.2018	Preparation of the various events in Technovision
	02.01.2018	H.O.D meeting with Principal
	04.01.2018	Meeting regarding Academics with Director
	16.01.2018 – 17.01.2018	BE student Project review
	31.01..2018	Display of monthly attendance record of Students and informing parents regarding attendance
February	1 <sup>st</sup> and 2 <sup>nd</sup> Feb 2018	Mock test for S.EStudents
	27.02.2018	<ul style="list-style-type: none"> <li>Students Feed back</li> </ul>

Month	Date	Activity
		<ul style="list-style-type: none"> <li>Display of monthly attendance record of Students &amp; informing parents regarding attendance of defaulters</li> </ul>
	16.02.2018	Departmental meeting
	15 and 16 Feb 2018	BE student Project review
March	1 <sup>st</sup> and 2 <sup>nd</sup> March 2018	Class test / Mock test for S.E/T.E/B.E Students
	29.03.2018	Display of monthly attendance record of Students and informing parents regarding attendance of defaulters
	24.03.2018	BE student Final Project review
April	2 <sup>nd</sup> to 5 <sup>th</sup> April 2018	Submission of term work for S.E/T.E/B.E students
	6 <sup>th</sup> April 2018	Conclusion of term for S.E/T.E / B.E students
	6 <sup>th</sup> April 2018	Display of final detention list of students

This is tentative schedule. Any change in this calendar will be duly notified

#### **Proposed Plans**

- To have research collaborations with industries and develop Research Laboratories.
- To have association with various construction companies, consultants for campus placement.

#### **Worth mentioning Highlights**

1. MoU with M/s Dnyano Projects and M/s Climber Engineers

# **Annual Reports of**

## **B. Computer Engineering**

## Department of Computer Engineering

### 1) About the Department:

The Computer Engineering Department was established in 2012 with an intake of 60 students. Department has 19 well qualified staff with various specializations to help and guide the students. The department has “Association of Computer Engineering Students” (ACES) in which additional curricular activities for overall development of student is observed. The department has its own departmental library with sufficient number of titles. The flagship program of department is undergraduate course(UG) in Computer Engineering. Department also offer Post Graduate Course (P.G) in Computer Engineering. We at Computer Engineering department believe in collective efforts, research, creativity and innovation. Student and staff wholesome participation in Smart Pune concept development, project contests and giving back to society through learning beyond the syllabus activity are a living proof of that. We are also proud that we are religiously taking forward the values of rigorous academics, disciplines, GFM activity imbibed by our Founder Secretary **Dr. T. J. Sawant**.

Our faculty aims at delivering top class education blending their rich research experience with classroom teaching. It also promotes active industry-institute collaboration by identifying areas of interest and taking part in sponsored research projects and consultancy services. Professional bodies like CSI & IEEE are active in the department. Department provides state-of-the-art computing facilities to the students supported by high speed LAN and Wi-Fi, Smart Television boards and many more ICT tools with 13 Computer laboratories.

Most of the final year students are placed in various companies like TCS, Zensar, Cybage, Q Spider, Xoriant, Amazon, L & T infotech, Persistant Systems Pvt.Ltd., Wipro Technologies, and many more. The department conducts many add on courses in collaboration with industry to bridge gap between industry and academia

Many of our students are interested in innovation and in starting up new companies. One of our goals is to support the entrepreneurial activities of our students and recent graduates in collaboration with related activities at the University or in the IT parks of PUNE city. The goal of the department is to establish state-of-the-art computing environment to develop competent computer engineers imbibed with the spirit of professionalism and responsible citizenship.

**A) Under Graduate student sanctioned Strength:**

Year	Students strength
SE	60
TE	60
BE	60

**B) Post Graduate:**

Year	Students strength
ME-I	24
ME-II	24

**2) Academic Achievements by Students:**

- Ashish Kamble, Anuj Pawar, Shiryu Nikate, Shrushti Mane of BE Computer (2017-18) has participated in an event Project Competition and has secured First prize in TECHNOVISION – 2018, National Level Technical Symposium held on 10th and 11th January, 2018.
- Ashish Kamble, Anuj Pawar, Shiryu Nikate, Shrushti Mane of BE Computer (2017-18) has secured First position in PHANTASM (Project Presentation), National Level Cultural Event held on 20/02/2018 to 23/02/2018 at AISSMS IOIT, Pune 411001.
- Harsh Patil, Chaitali Patil, Prajakta Shelke, Swapnil Patil had Completed BE Project Internship (6 Months) from Company: ClobeMindes Technologies Ltd., Pune.
- Shriya Nikte had Completed BE Project Internship (2.5 Months) from Company: SIEMENS Ltd. Kharghar, Navi Mumbai.

**3) Staff Development and Training:**

- Prof. A. R. Uttarkar attended SPPU University FDP on “Web Technology”.
- Prof. J. S. Kharat attended FDP on “ICT Tool”.
- Prof. D.H.Dewarde attended FDP on “Database Design and Programming with SQL”.



- Prof. N.M.More attended FDP on “Database Design and Programming with SQL”.
- Dr. S.B. Sonkamble attended Syllabus Revision Meet by SPPU Pune.
- Prof. V.S.Gaikwad attended Syllabus Revision Meet by SPPU Pune.

#### 4) Seminar Conferences and Workshops organized:

Sr. No.	Name of Expert	Name of Organization	Title of Workshop	Class & Approx No. of students	Conducted Date	Total Hours
1.	Mr. Tushar Kute	Mitu Skillologies, Pune	Python Programming	SE, TE, BE, ME(Computer Engg.)	07/09/2017 & 08/09/2017	12
2.	Mr.Siddharth Deshmukh	ShimBi Labs, Pune	Android App's design	SE, TE, BE, ME(Computer Engg.)	25/09/2017 & 26/09/2017	12

#### 5) Paper Published in Journals:

- Rajesh .H. Kulkarni ,“ATG-system: AUTOMATIC TICKET GENERATION SYSTEM”, Patent Application NO.:-201821008724, Patent Application Type:-E-101/2379/2018-MUM,dated-March09,2018,india,India Patent Office ,Mumbai.
- Rajesh H. Kulkarni, P.Padmanabham, Manasi Harshe, K.K.Baseer and Pallavi Patil, on ” Investigating Agile Adaptation for Project Development” IJECE.
- Manasi V. Harshe, Rajesh H. Kulkarni on Outlier Detection using Weighted Holoentropy with Hyperbolic Tangent Function IJDATS.
- K.R.Bhukare and Prof. N .M. More on ” Survey Paper Detecting Stress of users on Social Interactions in Social Networks” IJIRSET.
- K RBhukare and Prof. N .M. More on “Using social interactions on social networks detecting users in stress “IJCSE.
- Prof. M.A.Rakate, Prof. N. M. More and Prof. S. V. Ingle on “Wireless Health Monitoring System in Hospitals for Patients” IJARSE.
- Prof. Snehal Shinde, Akshay Kashid, Kshitij Jamdade, Shraddha Sable, Pragnaya Ankalgi on ” Real Time Indoor Air Quality Monitoring System” IJARCCE.

- Pragati Benkar, Rachana Kurmi, Prerana Dhas, Mrunmai Deshmukh, Snehal Shinde on “Secure Smart Shopping Trolley” IJERGS.
- A. P. Deore, Jyoti Kharat “INTRODUCTION TO HADOOP ARCHITECTURE AND INSTALLATION ON UBUNTU” IJRET.
- Prof. J.S.Kharat, Komal Shedge, Mamta Dharukar on “Security For Message By Combining Steganography and Visual Cryptography” IERJ.
- Rajnandini Jamdade<sup>1</sup>, Jyoti kharat<sup>2</sup> on “Combat data Sparsity using Spatial
- Hierarchical Collaborative Deep Learning for user POI Recommendation” IJRSET.
- Rajnandini Jamdade<sup>1</sup>, Jyoti kharat<sup>2</sup> on “Point of Interest Tourist Location and Hotel Recommendation System Based on Deep” ijircce.
- Prajkta T. Jadhav, Prof. Dr.Sulochana B.Sonkamble on “Cross Media Retrieval Using Mixed Generative Hashing Methods Learning Model” IJIRCCE.
- Mrunmayi Dharmadhikari, Minal Sonawane, Snehal Chavan, Prof. Dr S.B.Sonkamble on ” Smart metro payment system using IoT ” IAETSD.
- Prajkta T. Jadhav, Prof. Dr. S. B. Sonkamble on “Survey on cross media retrieval using mixed generative hashing methods” IJRSET
- Dr. Sulochana Sonkamble and Dr. Balwant Sonkamble “Intelligent Crawling Techniques For Locating the Sites” WJERT
- Snehal Ghodake<sup>1</sup>, Sulochana Sonkamble<sup>2</sup> on “Efficient Dynamic Load-Balance Flow scheduling in cloud for Big Data Centers” IRJET.
- Miss. Rohini Korulkar<sup>1</sup> & Prof. Dr. Sonkamble Sulochana on “An Efficient Tree-based Self-Organizing Protocol for Internet of Things” IJIR.
- Siddheshwar S. Metkari<sup>1</sup> , Dr. S. B. Sonkamble on “Multi-Keyword Ranked Searched Over Encrypted Cloud Data Supporting Synonym Query” IJSR
- Pallavi Jadhav, Dr. Soulochana Sonkamble on “Efficient Authentication Scheme for WSN in Cloud” IJSR.

**6) Training Programs:**

- Android Hands on Workshop. 25.09.2017 Monday. By Shimbilabs Software Vimangar Pune.
- Guest lecture for BE Students on "Journey of An Entrepreneurship" by Mr. Sushant Kokate Founder and CEO Jaksh Center of Learning and Digital Marketing Date: 28.09.2017.
- IPR and Patent. Expert Seminar and Guidance By CSI scientist. Date 23.01.2018.
- IPR and Patent. Expert Lecture by Prof. Pallavi Kadam. Date 01.02.2018.

**7) Extra Curricular activities by students:**

- Department inagural E-Newsletter 2017-18 Volume-5.
- Aluminum Interaction to TE And BE Students. 06.10.2017. Mr. Ankit Hatwalne. ( BE 2015 Passout. Working at Income Tax Dept. Bangalore. Forensic Officer ) Mr. Piyush Chaware (BE 2015 Passout. M. Tech (Pursing) at Manipal University Jaipur.)
- Appreciation of JSPM NTC Computer Engineering Students for making store software by Hon. Founder secretary Prof. Sawant Sir Prize: 25000/-.
- ACES celebrate Teacher's Day (6.9.2017) & Engineer's Day Celebration(15.9.2017).
- ACSE inagural of IOT club (04/07/2017), Foreign Language Club (07/07/2017), Coding Contest Club (13/02/2018).
- ACSE oraganized Farewell function for BE students (04/04/2018).
- The Parent Teacher Meeting was conducted Sunday, 17/09/2017.
- ME Student: Miss. Shivani Deorukhakar. JSPM NTC. Computer Engineering. Got Best Research Project Innovation Award. At Post-cPGCON 2017 NASHIK.
- The Parent Teacher Meeting was conducted Sunday, 11/03/2018.

**8) Project details**

Number of projects	No of sponsored projects
18	01

## Sponsorship Details

Group ID: G-9

Domain: Machine learning &amp; IoT

Name of Company SiliconSkills Consultancy Pvt. Ltd, Bibewadi Pune

Name of Director: Pandit Jagtap

**9) Industry Institute Interaction:**

S. No.	Name of the Industry/Institution	Nature
1	IUKL Malaysia	IUKL University Malaysia, MOU Signed for Student internship(3 years)
2	E Business Canvas	E Business Canvas, Sinhgad Road, Pune MOU Signed for Student Internship (3 Years)
3	Saraff Infotech Co. Limited, Bangkok	23-09-2017 to 27/09/2017. Industrial Visit for Students and Staff on Field for Interaction
4	AK Pack Private Limited, Bangkok	23-09-2017 to 27/09/2017 Industrial Visit for Students and Staff on Field for Interaction
5	FUSIONSTAK Technologies Pvt. Ltd situated at Baner, Pune	28-09-2017: Industrial Visit for Students on Field for Interaction with Industries
6	ACME INFOVISION SYSTEM Pvt. Ltd., Satara	29/01/2018 Industrial Visit for Students on Field for Interaction with Industries

7	Wipro Ph-2 Hinjewadi Pune	12-06-17: Staff Member Visit for Industry Institution Collaboration/MOU
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### 10) Academic planning for the year 2017-18

Month	Date	Activity
May-June	28/05/2017	Academic Planning committee meeting
	31/05/2017	Work load distribution and informing allocation of subjects to faculty
	10/06/2017	Display of time table for the next semester
	02/05/2017 to 29/05/2017	University examinations for F.E/S.E/T.E/B.E/M.E/M.B.A
	30/05/2017 to 14/06/2017	Vacation for students
	10/06/2017	HOD & Section In-charge's meeting with Principal
July	15/06/2017	Reporting and commencement of theory and practical classes for S.E/T.E/B.E students
	30/06/2017	Listing of non reporting students & informing parents about their absence
	03/07/2017	H.O.D meeting with Principal
	31/07/2017	Display of monthly attendance record of Students and informing parents regarding attendance
August	01/08/2017	H.O.D meeting with Principal
	02/08/2017 to 04/08/2017	<ul style="list-style-type: none"> <li>• Induction for F.E students</li> <li>• Class test - I for S.E/T.E/B.E Students</li> </ul>
	07/08/2017	Display of Class Test marks
	18/08/2017	Meeting of class representatives with Principal
	14/08/2017	Meeting of class teachers & HOD's with Principal
	18/08/2017 onwards	Remedial classes
	31/08/2017	<ul style="list-style-type: none"> <li>• Students' Feed back</li> <li>• Display of monthly attendance record of Students and informing parents regarding attendance of defaulters</li> </ul>

September	01/09/2017		Departmental meeting with the Principal
	09/09/2017		Parents meet
	15/09/2017		Engineers day Celebrations
	18/09/2017		H.O.D meeting with Principal
	25/09/2017		Retest
	25/09/2017		Display of Class Test-II marks
	19/09/2017, 22/09/2017		<ul style="list-style-type: none"> <li>• Technical Lecture series/Seminars</li> <li>• National Seminar/Conferences</li> </ul>
	23/09/2017(G), 28/09/2017(IV)		Guest Lectures/Industrial visits
	29/09/2017		Display of monthly attendance record of Students & informing parents regarding attendance of defaulters
October	10/10/2017	to	Prelims for S.E/T.E/B.E students
	14/10/2017		Meeting of class teachers &HOD's with Principal
	11/10/2017	to	Mock orals/Mock practical examination for SE/TE/BE students
	14/10/2017		
	05/10/2017		Conclusion of theory and practical's
	16/10/2017		Display of term work marks
	16/10/2017		H.O.D meeting with Principal
	11/10/2017	to	Submission of term work for S.E/T.E/B.E students
14/10/2017			
November- December January	10/10/2017		Conclusion of term for S.E/T.E / B.E students
	04/10/2017		Display of final detention list of students
	01/011/2017		<ul style="list-style-type: none"> <li>• H.O.D meeting with Principal</li> <li>• Planning for Second semester and allotment of work load</li> </ul>
	10/11/2017 onwards		Preparatory Leave / Theory &Practical Examination
	11/12/2017		Display of time table for the Second semester
	18/12/2017		Reporting and commencement of theory and practical classes for S.E/T.E/B.E students

	30/12/2017	Listing of non reporting students & informing parents about their absence
	02/01/2018 to 04/01/2018 ( Dept. Wise)	H.O.D meeting with Principal
	31/01/2018	Display of monthly attendance record of Students and informing parents regarding attendance
	09/01/2018 to 10/01/2018	Technovision-2018
February	01/02/2018	H.O.D meeting with Principal
	05/02/2018 to 09/02/2018 (SE Online)	Class test - I for S.E/T.E/B.E Students
	22/02/2018 to 24/02/2018 (TE & BE)	
	12/02/2018	Display of Class Test marks
	12/02/2018 & 13/02/2018 27/01/2018 28/02/2018	<ul style="list-style-type: none"> <li>• Co-Curricular Activity</li> <li>• Alumni meet</li> <li>• National Science Day Celebration</li> </ul>
	19/02/2018	Meeting of class teachers & HOD's with Principal
	26/02/2018 onwards	Remedial classes
	29/01/2018 (SF-1) 30/03/2018 (SF-2) 31/03/2018 (CAR)	<ul style="list-style-type: none"> <li>• Students Feed back</li> <li>• Display of monthly attendance record of Students &amp; informing parents regarding attendance of defaulters</li> </ul>
March	01/03/2018	Departmental meeting with the Principal
	11/03/2018 (SUNDAY)	Parents meet
	10/03/2018	H.O.D meeting with Principal
	16/03/2018	Retest
	16/03/2018	Display of Class Test-II marks
	19/03/2018 onwards	Technical Lecture series/Seminars
	29/03/2018 (IIT Spoken)	Guest Lectures/Industrial visits
	31/03/2018	Display of monthly attendance record of Students and informing parents regarding attendance of defaulters

April	02/04/2018 05/04/2018	to	• Prelims for S.E/T.E/B.E students
	02/04/2018 05/04/2018	to	Mock orals/Mock practical examination for SE/TE/BE students
	02/04/2018		Conclusion of theory and practical's
	09/04/2018		Display of term work marks
	09/04/2018		H.O.D meeting with Principal
	02/04/2018 05/04/2018	to	Submission of term work for S.E/T.E/B.E students
	06/04/2018		Conclusion of term for S.E/T.E / B.E students
	06/04/2018		Display of final detention list of students
	26/03/2018 29/03/2018 (Dept. wise)	to	Farewell for B.E students

This is tentative schedule. Any change in this calendar will be duly notified.

### Proposed Plans

- Department has planned to establish machine intelligence lab and 3-D printing lab.
- Department also wants to make a turnaround in numbers of placements and improving project quality by working on attitude and emotional quotient of students.

### Worth Mentioning Highlights

- Appreciation of JSPM NTC Computer Engineering Students for making store software by Hon. Founder secretary Prof. Sawant Sir  
Prize: 25000/-.



# **Annual Reports of**

## **C. Electronics and Telecommunication Engineering**

## Department of Electronics & Telecommunication Engineering

### 1) About the Department:

Department have been established in 2011. It offers a Bachelor of E & TC Engineering and Master of Engineering in VLSI and Embedded System. Since its commencement, the primary objective of the department is to impart quality technical education to the students with broad emphasis on design aspects of Electronics and Communication systems.

The Department has always been on a high growth path and has well qualified, experienced and dedicated faculty who work with zeal and enthusiasm to provide a vibrant and optimum learning environment to the students in order to help them excel in today's competitive environment.

### Department Vision :

To be a leading center in E&TC engineering for technical manpower development.

### Department Mission :

To nurture the students for resolving emerging industrial challenges.

To inculcate creative skills useful for innovative and professionalism in the domain of electronics and telecommunication.

To develop the students for serving the society offering technical solutions.

### A) Under Graduate student sanctioned Strength:

Year	Students intake
SE	60
TE	60
BE	60

### B) Post Graduate:

Year	Students intake
ME (VLSI & Embedd. System)	18

**2) Academic Achievements by Students:**

Name of Student	Class	Percentage
Karande Jalindar	SE – E&TC	7.80
Afreen Fatma	TE – E&TC	9.30
Bhosale Aishwarya	BE – E&TC	81.87

**3) Extra Co curricular activity by student :**

- Dhawal Rajpurohit ,TE ( 2017-2018) got selected in India B under 19 football team.
- Pooja Walekar , TE( 2017-2018) got prize in National level Dance Competetion at Deharadun.

**4) IETE Student Chapter :**

- IETE Student forum has been inaugurated in the department by Prof.Dr.K.R.Shende, IETE Secretary, Pune Centre and Prof.Dr.S.K.Khedkar, IETE Mentor, Delhi on 28 March 2018.
- IETE Forum has organized seminar on “IOT ” by Mr.Abhishek Mahajan, Founder and Managing Director,Protoelectronics Engineering Services on 28 March 2018

**5) Training & Placement Activities:**

- Department has organised Seminar for TE & BE students on “Recent Trends in Industry”, on 5<sup>th</sup> Feb 2018 by Ms.Praseeth Ramesh from CADD Centre .
- Department has organised Seminar for BE students on “Recent Trends and tecnologies in VLSI”, on 24<sup>th</sup> Jan 2018 by Mr.Aloukh Pawar from Unixhorizon Systems.
- Department has organised Seminar for TE & BE students on “PLC Automation”, on 22<sup>nd</sup> Jan 2018 by Mr.Nitin Lokhande from ETA Automation System.

**6) Students Placement Status :**

Sr.No.	Name of Student	Company Name
1	Aishwarya Amdekar	Amazon Development Centre Pvt. Ltd.
2	Aishwarya Yadav	QSpiders Software Testing Training Institute
3	Dhanshree Saste	
4	Mayuri Lad	
5	Shraddha Bhalerao	
6	Akshay Pawar	Innotec Robotics And Automation Solutions
7	Jeevan Sathe	
8	Deviprasad Homkar	Johnson Plastosonic Pvt. Ltd
9	Ankush Vishvnathrao Garud	
10	Sneha Kishor Phawade	
11	Aishwin Kulkarni	
12	Virendra Mangule	Seagull Enterprises
13	Sethe Shubham	RK EDU Group
14	Tejas Sambhare	Mauen Systems Pvt.Ltd.

**7) Staff Development and Training:**

- All faculties have published their papers in National / International journals.

**8) Seminar, Conferences, Workshops and course organized:**

- Organized Enrichment Course on “ Designing with Processors ” for SE,TE & BE students in collaboration with EdGate Technologies and Texas Instruments
- Organized 30 Hrs. Value added course on “ Embedded System Design ” for TE & BE students in collaboration with Excel Technology Pvt. Ltd. Katraj, Pune
- Organized 30 Hrs value added course on “Physical Computing using IOT with Rasberry Pi and Python ” for TE & BE students.

**9) Industry Institute Interaction :**

MoU with Microembedded Technologies, Pune

**10) Internship by Students:**

Following Final year students complete their internship in various industries-  
Shubham Shete ,Sayaji Gayakwad, Akansha Shede, Aishwarya Amdekar ,

Rohit Deogoankar, Aishwarya Yadav, Aishwarya Bhoyarekar, Dhanashri Saste, Mayur Choudhari, Varun Tiwari ,Krishana Chaurasia ,Sandeep Bind, Sumit Manikrao Pande, Priyanka J. Pangare,Akshata G. Shirke, Aishwarya U.Bhosale ,Virendra Mangule.

### 11) Paper Published in International Journals:

Sr. No	Title of paper	Name of the author/s	Name of Journal	Year of publication
01	Design And Analysis A Compact Two Element dual band MIMO Antenna With Improved Gain and Isolation for Mobile Applications	Prof. S.B.Abhang	International Journal for Science and Advance Research In Technology (IJSART)	6 Jul 2017
02	Iris Detection for Automation of Wheelchair	Prof.S.G.Kole	International Journal of Latest Engineering and Management Research (IJLEMR)	Mar-2017
03	Design & analysis of high isolation MIMO antenna for wireless application	Prof. S.B.Abhang	International Journal for Science and Advance Research In Technology (IJSART)	Sept - 2017
04	Petite Embedded Mesh Server	Prof. K.B. Jadhav	International Journal of Creative Research Thoughts (IJCRT)	2018
05	Reduced Complexity Belief Propagation decoding for read muller block coded system	Prof. M.L. Davkare	International Journal of Creative Research Thoughts (IJCRT)	2018
06	Comparative analysis on IoT techniques	Prof. S. B. Shinde	International Journal of Creative Research Thoughts (IJCRT)	2018
07	E-penalty using smart card for improving road and transport safety	Prof. S. G. Kole	International Journal of Creative Research Thoughts (IJCRT)	2018
08	RFID based ticketing System for public transport system	Prof. V. S. Patil	International journal of advanced engineering & research development (IAERD)	2018

**12) Paper Published in International / National Conferences:**

Sr No	Name of the teacher	Title of the paper	Name of the Conference	Year of Publication
1	Prof. D. D. Pradhan	Performance Analysis of 32×10Gbps WDM system based on hybrid amplifier at different transmission length and dispersion	EAI International Conference on Future Internet Technologies and Trends	2017
2	Prof. D. D. Pradhan	Performance Analysis of Backward multipumped Raman Amplifier in DWDM system	International Conference on Advances in Computing & Communications	2017
3	Prof. S. B. Shinde	Wireless Sensor Network for Real Time Monitoring and Controlling of Railway Accidents	IEEE International Conference on Trends in Electronics and Informatics	May 2017
4	Prof. S. B. Shinde	A Review on Monitoring Driver Distraction in Real time using Computer Engineering Vision System”,	IEEE International Conference on Electrical, Instrumentation and Communication Engineering	April 2017
5	Prof. K. P. Wagh	Improved Image color transformation for colorblind patients	National Conference on trends in science, Engineering & Technology (NTSET-2018)	Feb-2018
6	Prof. D. Pradhan	Parabolic Pulse Generation at 1550nm Raman amplifier Utilizing High Power Pump Laser	International Conference on optical & Wireless Technologies	Feb-2018
7	Prof. N. R. Kadam	Digital Fuel Indicator and Adaptive Headlight System for Vehicles	International Conference on Communication, Computing, Storage & Energy, IC3SE-18	Feb-2018
8	Prof. S. B. Abhang	Design and analysis of compact patch antenna with enhanced bandwidth & harmonic Suppression for Wi-Fi and LTE Applications	International conference on knowledge discovery in science and technology- 2018	Feb-2018

**13) Conferences/ Workshops attended:**

1. Prof. D. Pradhan attended an EAI International Conference on Future Internet Technologies and Trends at Surat.
2. Prof. D. Pradhan attended 7<sup>th</sup> International conference on advances in computing and communication at Kochi.
3. Prof. D. Pradhan attended International conference on optical and wireless technologies at Jaipur.
4. Prof.H.N.Patil attended three days National Teachers Congress Conference at MIT Pune.

**14) Extra Curricular activities by students:****c) NSS:**

- 10 Students enthusiastically participated and volunteered in various activities conducted by NSS Like Blood donation camp, Tree Plantation, Campaigning on Water pollution control activity in collaboration with National Chemical Laboratory(NCL), Dev Dya Devpan Ghya ( Eco Ganesh Visarjan Under Swachata Abhiyan ), Cyclothon-Aathvanitla Pune Cyklincha Pune, Free Medical Checkup & Medicine Distribution Camp, New Year Celebration With Sumit Balwan Orphanage, Volunteering at Trityam Vishwa Ved Vidhyan Sammelan.
- Further 04 students also went on a 07 day special camp to Salawade as part of NSS.

**d) Electronics & Telecommunication Engineering Student Association (ETSA):**

E&TC Engineering students organized various events in the department like Teachers day, Gurupournima, SE welcome etc.

**15) Academic planning for the year 2017-18 :**

Sr. No.	Activity	Planned Dates
1	Commencement of Semester (SE, TE, BE)	15/06/2017
2	Student Feedback-1	28/07/2017
3	Academic Monitoring Committee Review-1 (Syllabus Coverage, Course File Checking, Cumulative Attend. Report)	31/07/2017
4	BE Project Review-I	31/07/2017

5	Unit Test-I	02/08/2017 to 04/08/2017
6	In SEM Examination for TE, BE	07/08/2017 to 11/08/2017
7	BE Project Synopsis Submission	17/07/2017
8	Student Council Formation (ETSA)	03/07/2017
9	BE Project Review By Industrial Expert	23/09/2017
10	Academic Monitoring Committee Review-2 (Syllabus Coverage, Course File Checking, Cumulative Attendance Report)	31/08/2017
11	Teacher Day Celebration/Function	04/09/2017
12	DSE Induction Institute level	09/08/2017
13	Parent Meeting	09/09/2017
14	HOD Addressing to DSE (Department wise)	11/09/2017
15	Student Feedback-2	15/09/2017
16	Engineer's Day Celebration	15/09/2017
17	BE Project Review -2	23/08/2017
18	Academic Monitoring Committee Review-3 (Syllabus Coverage, Course File Checking, Cumulative Attendance Report)	29/09/2017
19	Final Cumulative Attendance Report (Term Report)	10/09/2017
20	Conclusion of Teaching	10/10/2017
21	MOCK OR/PR/ TW Submission and Term End	11/10/2017 to 14/10/2017
22	University OR/PR Examination Slot (SE, TE, BE)	24/10/2017 to 09/11/2017
23	Theory (End Sem) Examination (SE, TE, BE)	14/11/2017 to 11/12/2017
24	SE Online Examination	As per SPPU circular Dates
25	Commencement Of Semester-II (SE, TE, BE )	As per SPPU circular Date
26	Notice to be display: Time Table, Roll list	11/12/2017
27	NSS Camp (Village Adaptation) through NSS Team	13/12/2017 to 19/12/2017
28	Course file checking by AMC	12/12/2017 to 15/12/2017
29	Director meeting for commencement of semester with all teaching staff	15/12/2017
30	Commencement of semester/teaching (SE,TE,BE)	18/12/2017
31	Director meeting with AMC Members & HOD	27/12/2017



32	Department wise Academic Meeting by Vice Principal and Director	02/01/2018 to 05/01/2018
33	BE Project Review By Industrial Expert	26/12/2018
34	Technical Event: Techno Vision 2018	09/01/2018 & 10/01/2018
35	Cultural Program : Aakruti -2018	11/01/2018 & 12/01/2018
36	National Youth Day	12/01/2018
37		
38	Academic Monitoring Committee Review-1 (Syllabus Coverage, Course File Checking, Cumulative Attendance Report-1)	31/01/2018
39	Director meeting with AMC Member & HOD	15/02/2018
40	Social Awareness Rally	3 <sup>rd</sup> week of Feb
41	Student Feedback-1	29/01/2018 to 31/01/2018
42	BE Project Final Review & Evaluation	27/02/2018
43	SE Online Examination (Phase-1)	05/02/2018 to 10/02/2018
44	Co-curricular Activity (IPR Workshop & R&D Activity)	3 <sup>rd</sup> week of Feb
45	Unit Test-1 for TE, BE	22/02/2018 to 24/02/2018
46	In-Sem Examination for TE, BE	06/03/2018 to 10/03/2018
47	SE Online Examination (Phase-II)	05/03/2018 to 10/03/2018
48	Women's Day Celebration	08/03/2018
49	Parent Meeting Department wise	11/03/2018
50	Academic Monitoring Committee Review-2 (Syllabus Coverage, Course file checking)	14/03/2018 to 16/03/2018
51	Inter Department Sport Activity	12/03/2018 to 16/03/2018
52	BE Project Report and Final Submission	21/03/2018
53	BE Student Farewell – 2018 (Department wise)	26/03/2018 to 29/03/2018
54	Student Feedback-2	29/03/2018 to 31/03/2018
55	Conclusion of Teaching	31/03/2018
56	Final Cumulative Attendance Report (Term Report)	31/03/2018
57	MOCK OR/PR/TW Submission	02/04/2018 to 06/04/2018
58	SPPU Term End	06/04/2018

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59	Institute Level FDP	Last week of April
60	University OR/PR Examination Slot (FE,SE,TE,BE)	09/04/2018 to 23/04/2018
61	Theory (End Sem) Examination (FE,SE,TE,BE)	02/05/2018 to 29/05/2018

This is tentative schedule. Any change in this calendar will be duly notified.

### **Proposed Plans**

- To establish Research and Development cell in the department.
- To conduct conference/workshop/seminar at National or International level.
- To improve Placement/Internship/Field project activity through industry institute interaction.

# **Annual Reports of**

D. Mechanical Engineering

## Department of Mechanical Engineering (I Shift)

### 1) About the Department:

#### Vision

- Human Excellence through Technical Education and Research.

#### Mission

- M-1 To equip students with required competency and skill in domain of Engineering and research through teaching-learning and practice for their successful professional career.
- M-2 To provide smart and sustainable solutions to societal and industrial problems through student involvement, thereby fostering their creativity and innovativeness.
- M-3 To develop entrepreneurial inclination among students for contributing to the national growth.

The Mechanical Engineering department was established in 2011. The flagship program of department is undergraduate course in Mechanical Engineering. Department also offer Post Graduate Courses (M.E.) in Design & Heat Powder Engineering. The department has sixteen Laboratories and are well equipped with calibrated required instruments.

The department has a team of well experienced faculties. Most of the faculties are pursuing Ph. D and conducting research on the latest area likes composite material, nano fluids, fluid structure interaction, deformation of machining, by fuel etc. Students of the department are working on projects based on recent development in Engineering and Technology.

Most of the final year students are placed in various companies like Tata Motors, Cosmic Refrigeration / Sankalp Technologies / Sandvik Asia and many more. The department conducts many add on courses and value added courses in collaboration with industry to bridge gap between industry and academia. The department organize workshops and seminars for faculty and student development. The department has adaptive teaching learning process.

The department has departmental library with 75 reference books of foreign and Indian author and online National and International journals such as IEEE, ACM, CSI, DELNET, Science Direct etc.

**A) Under Graduate student sanctioned Strength:**

Year	Students strength(Shift-I+DSE)
SE	120+120
TE	120+120
BE	120+120

**B) Post Graduate:**

Year	Students strength
ME (Design)	24

**2) Department Achievements: (Seminar, Conferences and Workshops)**

A. 2 days : First National Level Conference on “Recent Innovations in Mechanical Engineering (NCRIME-2018)”

List of Guest and Expert, for National Conference NCRIME-2018

- i. Dr. Uday A. Dabade, Professor and Head, Mechanical Engg. Dept., Walchand College of Engineering, Sangali.
- ii. Role - Chief Guest.
- iii. Dr. Sachin S. Chavan, Professor, Bharati Vidyapeeth Deemed University, COE, Pune.  
Role - Key Note Speaker,
- iv. Guest Dr. B. R. Ramesh Babu, Dean R&D and Professor, Chennai Institute of Technology, Chennai.  
Role –Expert
- v. Dr. Samir J Deshmukh., Professor, PRMITR, Amravati.  
Role - Expert,
- vi. Dr. Lalit B. Bhuyar., Ex. Dean, S.G.B.A.G., Amravati.  
Role - Expert,
- vii. Dr. N. K. Sane., Retd. Professor, Walchand College of Engineering, Sangali.  
Role - Expert,
- viii. .Dr. G. N. Shelke., Professor, Sandip Foundation, Nashik.  
Role - Expert,
- ix. Dr. S. H. Gawande, Professor, MES COE, Pune.  
Role -Expert

- x. Syllabus Implementation program was conducted for Final Year subject :  
“Energy Audit and Management ” (Duration : 1 day)

Note: Subject faculties for all colleges under SPPU attained.

- xi. Syllabus Detailing workshop was conducted for Final Year subject : “Energy Audit and Management” (Duration : 1 day)

Note: Subject faculties for all colleges under SPPU attained.

- xii. Faculty Development Program:

FDP are organized for all the faculties for various subject to develop their various skill to enhance the teaching – learning activities.

- a. 8 days FDP was organized at Institute level. – “ Curriculum Aspect” (10 faculties)

- b. 4 days FDP was organized at Institute Level – “Autodesk Inventor” (16 faculties) – Conducted By – Mr. A. M. Mohamed She Reef

- xiii. Moodle In collaboration with Vidyalkar Classes department has organized GATE Classes.

### 3) Academic Achievements by Students:

- i. Rahul S. Bake scored 10 point in semester 5<sup>th</sup>.
  - He scored 9.78 point in semester 6<sup>th</sup>.
  - He was the topper in Heat Transfer subject (63/70)
- ii. Shradha B. Pawar scored 9.48 point in semester 4<sup>th</sup>
  - She was topper in Applied Thermodynamic subject (87/100)
- iii. Patent - Akshay A. Sonawane - Third Year student has 2 patent titled - "BATLOCKER" and other title - "AMC"

### 4) Department Faculties Achievements:

- i. Prof. Tapase S.N. achieved National Award of “Dronachrya” in Gokart event organized by all India Racing Championship at Pune.
- ii. Prof. M.S. Deokar - Reviewer For Journal -

iii. Prof. M.U. Gaikwad - Editorial Member - International Journal of Research in Advanced Engineering & Technology.

iv. Patent:

- i) Prof. Dr. S.B.Satpal & M.U.Gaikwad filed a patent on “ IPM – Machine: Intelligent Paratha Marker Machine –Docket No. : 1916

iv. Prof. R.A.Yadav - Trainer for FDP - for JSPM group of Institute.

v. 240 students of final year have presented papers in National Conference based on their project work

vi. Academic Result of SE/TE/BE is good and in tune with University Result.

#### 5) Staff Development and Training:

- Prof.S.S.Kale and G. S.Sawadadkar have register for Ph.D.
- 

#### 6) Paper Published in Journals:

Sr. No	Title of paper	Name of the author/s	Name of Journal
1.	Review paper on exhaust gas recirculation	Gajanan s. Sawadadkar, Mangesh Suresh Korde, Ganesh P. Hade,	International journal of pure and applied research in engineering and technology
2	Testing Of Heat Transfer Enhancement In Rectangularmicro Channel	Prof.Girish Gudi	International Journal of Advance Engineering and Research Development
3	Biodiesel Fuel- A Review	Prof.P. U Gaikawd	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
4	Vibration Analysis of 5-axis Articulated Robot	Dr. J. S. Gawande	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)

5	A Review on Durability Testing of Head Rest Sleeve	P.B. Borade	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
6	Review on Phase changing material as the Energy storage in solar cooker	Bharat Aher	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
7	Design & Fabrication of 90° conveyor system for material handing in Industries.	Prof. A.S.Patil	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
8	A Detail Review on Study of Flywheel	S.N. Tapase	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
9	A Review Paper on Intelligent Headlight System	Prof. G.S. Dhumal	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
10	A Review on Design and Development of Anti-bedsore Bed for Patients	Prof.Govind U. Raiphale	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
11	A Detail Review On Vibratory Bowl Feeder	Prof. S.B. Pawar	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
12	A Review of Performance and Emission Studies in	Bharat Aher	IOSR Journal of Mechanical and Civil Engineering



	CI Engine using biodiesel obtained from mixed feedstocks		(IOSR-JMCE)
13	FEA Analysis of Shell and Nozzle	Pravin Borade	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
14	Modeling of Concrete Pipe Auto Gripping Jaw for Pipe Handling	Mr. Dhanesh M. Pawar	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
15	Design And Analysis of Truck Chassis Frame	Monika S.Agrawal	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
16	Experimental investigation on efficiency of flat plate solar collector with BN/H <sub>2</sub> O nanofluid	Prof M S Deokar	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
17	Review on Adsorption Refrigeration System	B. K. Manmode	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
18	A Review on power generation methods	O. M. Kshirsagar	IOSR Journal of Mechanical and Civil Engineering

	using concentrating solar power.		(IOSR-JMCE)
19	Process failure mode effect analysis of cutting operation of needle for roller bearing	Gajanan S. Sawadadkar	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
20	A review paper on 'Chumbaki-dravik generator	Yogesh R. Shendage	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
21	Review on Application of Lower Body Exoskeleton	Prof. M. S. Agarwal	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
22	A Review on Design of Plastic Injection Mould	Yogesh S. Khairnar	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
23	A Detailed Review on Design and Development of Fixture for Knuckle Pin Drill Operation	Atul Patil	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
24	Review on design and development of mist cooling for closed room	Pravin .B. Borade	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)

25	Design and Analysis of Variable Message Sign Pole Structure	S .M. Patil.	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
26	Automatic Stack Feeding Machine	Prof. S.D. Bhalekar	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
27	A Review on Design and development of Pick and Place Robotic Arm	Prof. S.D Rajgure	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
28	Prosthesis For Dogs With Back Limb Deformities/Amputation	Y.B Shendge	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
29	“Nonlinear Contact Pressure Analysis of Oil Sump Using FEA & Experimental Method”	A.S.Patil	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
30	Static analysis of bolt due to random vibration used in turbine	Dr.S.B.Satpal	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)

31	Static Analysis and material Optimization of Submersible Pump Impeller Using FEA	A. S. Patil	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
32	A Study on phenomena which differentiate micromachining from macromachining	Yogesh Khairnar	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
33	Experimental and Analysis of Acrylic-Polycarbonate-PVC laminated composite material using FEM.	P.M.Hombal	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
34	Weight Optimization and Fatigue Analysis of Front axle with Composite Reinforcement	P.M.Hombal	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
35	Design and Analysis of Loop Wheel Suspension System	P.M.Hombal	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
36	REVIEW PAPER ON ALUMINIUM HONEYCOMB PANEL FOR AUTOMOTIVE FRONT BUMPER	Atul Patil	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)

37	Structural, Modal and Buckling analysis of composite material and weight reduction of drive shaft	G. S. Lamani	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
38	Design optimization of Bicycle Crank through FEA Analysis	A. S. Patil	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
39	Design And Analysis of Gudgeon pin	Dr.S.B.Satpal	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
40	Review on Increasing Boiler Efficiency Using Solar Bagasse Dryer	Dr. J. S. Gawande	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
41	Finite Element Analysis and Experimentation on electrical discharge machining	Prof. Amitkumar T. Desai	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
42	“Numerical And Experimental Investigation Of Effect Of Dimples On Heat Transfer By Using Multi Air Jet	Mr. Sunil N. Tapase	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)

	Impingement On Pin Fin Heat Sink”		
43	Design and Development of Solar Dryer Cabinet with Thermal Energy Storage	Yogesh Shendage	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
44	Design and analysis of industrial safety helmet using composite material	Amit Desai	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
45	Review on Application of Lower Body Exoskeleton	Prof. M. S. Agarwal	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
46	Modelling and optimization of electro discharge machining in c45 material	PROF.M.C.Patil	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
47	Design and Fabrication of Involute Gear Profile Error Detector System Using Mechatronic System For Industrial	Madhuri Deokar	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)

	Aplication: A Review		
48	Design And Analysis of Powder Mixing Ribbon Blender - A review	A.T.Desai	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
49	Review on Lifting beam for Electric Overhead Travelling (EOT) Cranes.	Rohit Shinde	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
50	Performance Analysis Of Cooling Tower – A Review	Prof.S.S.Kale	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
51	Mechanical Assistance Chair	Gawande J. S	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
52	Design and Fabrication of Abrasive Jet Machine	Prof. S.D. Bhalekar	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
53	Review paper on Filtration methods and recent trends	A.D. Halwe	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)

54	Review on Design and development of clean welding booth.	Manmode B.K	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
55	Review Paper On Design And Fabrication Of X-Y Gantry Mechanism For Chemical Handling In Chemical Industries	S.B.Satpal	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
56	Vibration analysis of worm and worm wheel gear box	G.S. Lamani	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
57	A Review Paper on Design and Modeling of Solar based Tyre Inflation System	Prof.Pavan Puri	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
58	CFD Anyalysis & Optimization of Counterflow Ranque-Hilsch Vortex Tube A Review.	Prof. O. M. Kshirsagar	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
59	Urea Injection System a Nox Reducer – A Review	Prof.S.M.Patil	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)



7602	Design and fabrication of mulch cutting machine using nonconventional source	Prof. G.S Dhumal	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
61	Wall painting robot	P.U.Gaikwad	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
62	Quadcopter for Surveillance Application – A Review	Prof. S. B. Pawar	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
63	Special Purpose Machine for Linear Welding	Prof.Shendage Yogesh	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
64	Effect of shin fibre orientation on mechanical performance of a Curved beam Sandwich Structure	Prof. P. M. Hombal	AIIRJ
65	Computational Analysis of flow over Airfoil	Prof. A. D. Halwe	AIIRJ

**7) Training Courses:**

- i. A short term course of 30 hours was organized for second year students on “Communication Skills” to enhance Group Discussion and Personal Interview skills for Campus Recruitments – Prof. R.D.Nagawade.
  - j. A short term course of 30 hours was organized for third year students on “MATLAB” to enhance technical skills of students to make them competent for Campus Recruitment. – Prof. P.M..Hombal & Prof. G.V.Gudi.
  - k. A short term course of 30 hours was organized for final year students on “Hands on Training on FEA using ANSYS APDL and Workbench” to enhance technical skills of students in core subjects to make them competent for Campus Recruitment. – Prof. A.S.Patil.
- iv. Career Counseling Seminar – Dr. A.B.Auti.

**8) Extra Curricular activities by students:****a) NSS:**

- i. Tree Plantation In Campus. – 25 Students
- ii. Campaigning For Public Awareness About Ganesh Murti Visarjan Under Ncl.- 25 Students
- iii. Murtidaan In Co-Ordination With Grampanchayat Narhe - 10 Students
- iv. Pune Cyclothon - 8 Students
- v. Blood Donation Camp - Jspm Ntc – 25 Students And 8 Facultyies
- vi. New Year Celebration- At Sumati Balwan (Orphanage) – 20 Students
- vii. Free Medical Checkup And Medicine Distribution In Association With Satya Sai Seva Sansthan - Salwade – 12 Students
- viii. Volunteering At 3<sup>rd</sup> Vishwa Ved Vigyan Sammelan (VVVS) – 25 Students
- ix. Speak For Nation – 25 Students.

**b) Gokart Activity:**

The team Blackspanners formed in 2015, it is the one of the prime student team which participates in various national and international level gokart events. Team consistently representing the institute in various national level events.

**Achievements:**

- i. Participated in all india racing championship at Pune
- ii. Participated in international karting championship at Kolhapur.
- iii. Endurance 1<sup>st</sup> runner up in Zeal Drag At Zeal COE Pune .
- iv. Semi-finalist in International Series Of Karting, Vishakhapatnam

**c) MESA: Mechanical Engineering Students Association.**

- i. Swachhata Abhiyan at Paravati Hill. – 21 students participated.
- ii. Robot Building/ Making – Expert lecture – Prof. G.G. Gaurshetty. – 154 participated.

**d) Sports:**

Inter - departmental sport were organized. – (68 students participated)

- i. Cricket.
- ii. Football.
- iii. Kabbad
- iv. KHO-KHO
- v. Volleyball.

**e) Art Circle :**

Under the guidance of culture coordinator art circle students participate in various competition all over the region.

They received "Best Actor "for drama " Mountain Girl" in Firodiya Karandak 2018

**9) Expert Lectures:**

Expert lectures of tough subject are arranged in the department: (14 Lectures)

- i. Mechatronics- TE - PLC Programming - Mr. R. G. Joshi, Adroit AutoTech, Pune
- ii. Industrial Engineering – BE - Mr. Rohit Kshirasagar, Kirloskar Brothers LTD, Kolhapur
- iii. Fluid Mechanics – SE - Dr. Pramod Bagade, PVPIT Bavdhan
- iv. Theory of Machines- I – SE - Prof. P. N. Dhattrak, MIT Kothrud
- v. Design of machine Element I – TE - Prof. Magade. P. B., ZCOE, Pune
- vi. Road Safety – SE - Mr. Chandrakant Mane, RTO Inspector, Pimpri, Pune
- vii. Manufacturing process-I – SE - Mr. Nitin Jadhav, PARI Automation Pvt. Ltd. Pune
- viii. Material Science – SE - Prof. Sanket Shewale, ZCOE, Pune
- ix. Metrology and Quality Control – TE - Prof. M M Bhoomkar, PVG COE, Pune

- x. Thermodynamics – SE - Dr. V. K. Bhojwani, JSCOE Hadapsar
- xi. Heat Transfer – TE - Prof. A. S. Utage, MIT COE Kothrud, Pune
- xii. Manufacturing process-I – SE - Dr. S. B. Barve, MAEER;s MIT COE, Pune
- xiii. Engineering Mathematics- III – SE - Prof. S. D. Barkale, AISSM COE, Pune and Prof. J. M. Mankar, PVG COE, Pune
- xiv. Strenght of Material – SE - Prof. V. S. Kanthale, MIT COE, Kothrud, Pune and Prof. P.P. Ritapure, ZCOE, Pune

### **10) Industrial Visit:**

Industrial Visit of all 3 year (SE/TE/BE) are organized to make students aware about the work culture of industries and to know some practical application of relevant subject.

- i. Katraj Dairk – BE – 70 students
- ii. Proton Metalcraft Pvt. Ltd. – SE- 60 students.
- iii. Mahadiscom – SE – 40 students.
- iv. Shri Sadguru Automobile – SE – 52 students.

### **11) Parents – Teacher Meet:**

Every Semester Parent – Teacher Meet is organized. The purpose of this meet is to make parents aware of their ward progress in academics and involvement in other activities.

P- T Meet is the best source of interaction of parents and Teacher.

### **12) Industry Institute Interaction:**

S. No.	Name of the Industry/Institution	Nature
1	Zeta Soft IT Sulotions Pvt Ltd. Pune	Guest Lecture
2	SSP Technology, Pune	Internship
3	Synnex Softech, Pune	Internship

4	Mechanical Department Bharati Vidyapeeth Deemed University College of Engineering Pune	Research discipline of Nano Technology
5	Micro Embedded Technologies	Recent Trends in Embedded Sectors
6	WEBHUB Technology, Pune	-
7	Tech Innovance, Pune	-

**13) Placement Data: Total 69 students are placed .**

Sr. No	Name Of Students	Name Of Company
1	Amruta Vijay Sarode	Kazi Industries- -S.NO.87/4B, Near Agarwal Godown. Shivane Industrial Area, Tal Haveli, Pune411023. 020-25381995
2	Ashwini Tanaji Khanaware	Kazi Industries- -S.NO.87/4B, Near Agarwal Godown. Shivane Industrial Area, Tal Haveli, Pune411023. 020-25381995
3	Kajal Kaluram Dhamishte	Kazi Industries- -S.NO.87/4B, Near Agarwal Godown. Shivane Industrial Area, Tal Haveli, Pune411023. 020-25381995
4	Roshan Arun Barate	Kazi Industries- -S.NO.87/4B, Near Agarwal Godown. Shivane Industrial Area, Tal Haveli, Pune411023. 020-25381995
5	Kranti Dhembre	Kazi Industries- -S.NO.87/4B, Near Agarwal Godown. Shivane Industrial Area, Tal Haveli,
6	Supriya Shivaji Naikwadi	Kazi Industries- -S.NO.87/4B, Near Agarwal Godown. Shivane Industrial Area, Tal Haveli, Pune411023. 020-25381995
7	Laxman Baliram Bhosale	Kazi Industries- -S.NO.87/4B, Near Agarwal Godown. Shivane Industrial Area, Tal Haveli, Pune411023. 020-25381995
8	Krishna Sanjay Parkhe	Kazi Industries- -S.NO.87/4B, Near Agarwal Godown. Shivane Industrial Area, Tal Haveli, Pune411023. 020-25381995

9	Pranav Subhash Pendharkar	Blue Star- 9A, Ghatkopar Link Road, Saki Naka, Mumbai 400072. 02266684004
1	Umesh Balu Kare	Qspider- 202" Amar Manor', ABOVE Vijay Sales, Next To Krome Mall, Pune-Solapur Road Hadapsar Pune 7028470006
11	Meghraj Kumbhar	Sandvik Asia- Sandvik Asia Private Limited Mumbai Pune Road Dapodi, Pune 411012 02027104800
12	Pratik Pawar	Reinvent Academy- Sai Health Center Second 2 Kharghar, Mumbai-410210.
13	Sonali Kedar	Reinvent Academy- Sai Health Center Second 2 Kharghar, Mumbai-410210.
14	Rushikesh Deokar	Sankalp Technologies, Hop No:C/10 Survey No 45/2 Behind Priyadarshani, School Indrayani-Nagar,, Bhosari, Maharashtra 411026 Phone: 097630 11007
15	Prathmesh Joshi	Cosmic Refrigeration-Ground Floor Bulding B Sector 2 Dhayri Narhe Sr. No.25/4 Mouje Narhe Pune 411041. 02024690168
16	Ashitosh Phalake	Ganesh Industries-Shivane,Pune,02025294170
17	Bhaskar Tale	Ganesh Industries-Shivane,Pune,02025294170
18	Gaurav Tiwari	Ganesh Industries-Shivane,Pune,02025294170
19	Tushar Sapkal	Ganesh Industries-Shivane,Pune,02025294170
20	Akshay Jadhav	Ganesh Industries-Shivane,Pune,02025294170
21	Namdev Tarange	Ganesh Industries-Shivane,Pune,02025294170
22	Swanand Kambale	Ganesh Industries-Shivane,Pune,02025294170
23	Govind Keshatwar	Ganesh Industries-Shivane,Pune,02025294170
24	Akshay Pujari	Ganesh Industries-Shivane,Pune,02025294170

25	Akash Gayakawad	Ganesh Industries-Shivane,Pune,02025294170
26	Aniket Deshmukh	Ganesh Industries-Shivane,Pune,02025294170
27	Abhijit Jadhav	Ganesh Industries-Shivane,Pune,02025294170
28	Vijay Deore	Ganesh Industries-Shivane,Pune,02025294170
29	Yogesh Diwal	Ganesh Industries-Shivane,Pune,02025294170
30	Sushant Chandanwar	Ganesh Industries-Shivane,Pune,02025294170
31	Santosh Chavan	Ganesh Industries-Shivane,Pune,02025294170
32	Saudamini Deshmukh	Ganesh Industries-Shivane,Pune,02025294170
33	Sanket Shinde	Ganesh Industries-Shivane,Pune,02025294170
34	Devrao Ugale	Warade Packtech- 4-9 And 14-17 Dhadge Estate Sn. No.14 Nanded Village Sinhgad Road, Pune 411041. 02024393780
35	Akash Zunjarrao	Warade Packtech- 4-9 And 14-17 Dhadge Estate Sn. No.14 Nanded Village Sinhgad Road, Pune 411041. 02024393780
36	Amol Bhosale	Warade Packtech- 4-9 And 14-17 Dhadge Estate Sn. No.14 Nanded Village Sinhgad Road, Pune 411041. 02024393780
37	Durgesh Nijampurkar	Warade Packtech- 4-9 And 14-17 Dhadge Estate Sn. No.14 Nanded Village Sinhgad Road, Pune 411041. 02024393780
38	Shubham Shinde	Warade Packtech- 4-9 And 14-17 Dhadge Estate Sn. No.14 Nanded Village Sinhgad Road, Pune 411041. 02024393780
39	Sourabh Patil	Warade Packtech- 4-9 And 14-17 Dhadge Estate Sn. No.14 Nanded Village Sinhgad Road, Pune 411041. 02024393780
40	Vikas Vishwakarma	Warade Packtech- 4-9 And 14-17 Dhadge Estate Sn. No.14 Nanded Village Sinhgad Road, Pune 411041. 02024393780

41	Akshay Salunkhe	Warade Packtech- 4-9 And 14-17 Dhadge Estate Sn. No.14 Nanded Village Sinhgad Road, Pune 411041. 02024393780
42	Sharad Dikule	Warade Packtech- 4-9 And 14-17 Dhadge Estate Sn. No.14 Nanded Village Sinhgad Road, Pune 411041. 02024393780
43	Pawankumar Gondhali	Sintercom India Ltd.-Gate No.1 To7 A/P-Mangrul,Tal-Maval,Talegaon Dabhade,Pune,410507. 02114661200
44	Rahul Asok Gadekar	Paranjape Autocast Pvt. Ltd.,Jawale Road, Zagalwadi Phata, Village-Sanghvi Post-Naigoan, Via Shirwal - 412801 Dist. Satara - 412801, INDIA.,+91 (02169) 244393 / 244247
45	Dattatraya A. Karne	Paranjape Autocast Pvt. Ltd.,Jawale Road, Zagalwadi Phata, Village-Sanghvi Post-Naigoan,
46	Vaibhav Jangid	Paranjape Autocast Pvt. Ltd.,Jawale Road, Zagalwadi Phata, Village-Sanghvi Post-Naigoan, Via Shirwal - 412801 Dist. Satara - 412801, INDIA.,+91 (02169) 244393 / 244247
47	Kush Kumar Singh	Paranjape Autocast Pvt. Ltd.,Jawale Road, Zagalwadi Phata, Village-Sanghvi Post-Naigoan, Via Shirwal - 412801 Dist. Satara - 412801, INDIA.,+91 (02169) 244393 / 244247
48	Ravikant Khandait	Jagdish Electronics India Pvt. Ltd.-Lavale Road,Pirangut,Pune,412115.,02066758141
49	Akshay Bhosale	Jagdish Electronics India Pvt. Ltd.-Lavale Road,Pirangut,Pune,412115.,02066758141
50	Amey Kulkarni	Mentoria-RH-5, Sadamangal Society, Maharashtra Koregaon Park Pune-411001 08291856155
51	Swapnil Indalkar	Mentoria-RH-5, Sadamangal Society, Maharashtra Koregaon Park Pune-411001 08291856155
52	Rupam Wani	Micromatic Automation - S.No.81,Hissa-3/1,Shivane Industrial Area,Opp. Agarwal Godown,NDA Road ,Shivane,Pune,411023. 02065202545



53	Abhijit Tarade	Micromatic Automation - S.No.81,Hissa-3/1,Shivane Industrial Area,Opp. Agarwal Godown,NDA Road ,Shivane,Pune,411023. 02065202545
54	Vishal Ghodase	Micromatic Automation - S.No.81,Hissa-3/1,Shivane Industrial Area,Opp. Agarwal Godown,NDA Road ,Shivane,Pune,411023. 02065202545
55	Prashant Dighe	Micromatic Automation - S.No.81,Hissa-3/1,Shivane Industrial Area,Opp. Agarwal Godown,NDA Road ,Shivane,Pune,411023. 02065202545
56	Kumal Khole	Micromatic Automation - S.No.81,Hissa-3/1,Shivane Industrial Area,Opp. Agarwal Godown,NDA Road ,
57	Sourabh Awati	CCMC, Saudi Arebia- Al Kurnaysh S, Jeddah 22754, Saudi Arabia.
58	Swaroop Chougale	Tata Motors-Pssengers Vehicals Bussiness Unit-Pune,Sector No.15 &015A PCNTDA Chikhali,Pune,411062. 02066131111
59	Shubham Bhasale	Tata Motors-Pssengers Vehicals Bussiness Unit-Pune,Sector No.15 &015A PCNTDA Chikhali,Pune,411062. 02066131111
60	Ashish Dalvi	Cleantech Systems Pvt. Ltd.- Regd.Of- A-14 Saudamini Socity, Bhosari Colony Poud Road Khothrud Pune411038. 02113203082
61	Piyush Chhajed	Bajaj Finserv-4th Floor Bajaj Finserv Corpate Office Pune Ahmadnagar Road Vimannagar Pune 411014. 02039575152
62	Patil Suyog Vilas	Ashok Leyland W/S-1717 Shivajinagar,Pne,411005
63	Mulik Abhishek	Hitech Automation-Yashwant Industries,Singhgad Road,Near Lokmat Press,Pune,9422323127
64	Nimbalkar Dnyaneshwar	A Square Innovation
65	Pavan Wankhede	Maruti Suzuki Showroom
66	Yewale Pruthviraj	Gurudatta Engg.-Sasewadi,Maharashtra,412205

67	Mallikarjun Kalshetti	Mahindra Showroom
68	Lande Abhijit Mhatu	Subject Industries Pvt. Ltd.
69	Mane Pradeep	A2 Innovative And Research
70	Mandhare A. Maruti	Ora Engineers-402,Manishplaza,NIBM
71	Kumbhar Dattatray	Radhe Machining Sanswadi-Gate No.1260/2,SH27,Shikrapur,412208

**14) Academic planning for the year 2017-18**

MESA Activities		BE Project Review	
10/02/18	Activity 1	19/01/2018	BE Project Review-IV
28/02/18	Activity 2	16/02/2018	BE Project Review-V
		5/4/2018	BE Project Review-VI

Assignment Schedule for SE, TE, BE		
Assignment No.	Commencement	Submission
1	After completion of Unit	Within one week after giving the assignment
2		
3		
4		
5		
6		

Technical & Cultural Activities	
9/1/2018 and 10/1/2018	Technovision
11/1/2018 and 11/1/2018	Cultural Program

Expert Lectures		
23/1/2018	Expert Lecture SE	
8/2/2018	Expert Lecture SE	
3/3/2018	Expert Lecture TE	

TE Seminar		17/3/2018	Expert Lecture TE
20/12/2017	Topic & Synopsis Submission	16/02/2018	Expert Lecture BE
5/1/2018	Topic Approval By Respective Guide and Seminar Co-ordinator	Industrial Visits	
27/01/2018	Review-I	16/03/2018	Industrial Visit for S.E./T.E./B.E.
23/03/2018	Review-II	24/03/2018	Industrial Visit for S.E./T.E./B.E.
Mock PR/OR & Submission		Interaction of Successful Alumnae with Students	25/01/2018
2/4/2018 to 5/4/2018	Mock PR/OR & Submission		27/02/2018
			20/03/2018

INTERNAL EXAMINATIONS			
Unit Test-I & In-Sem			
Date	SE	TE	BE
22/02/2018	FM	NMO	PPE
22/02/2018	TOM-I	DME-II	MSD
23/02/2018	EM	RAC	Elective-III
23/02/2018	AT	MXCT	Elective-IV
24/02/2018	EEE	MP-II	

Extra Curriculum Activity	Planned Date
Workshop on Robotic Design for BE Students	2/2/2018
National Conference on Recent Innovation in Mechanical Engineering	27th & 28th Feb. 2018
Resume Writing GD interview Techniques With Practical Workshop for BE Students	9/2/2018
Parent Meet	11/3/2018
Workshop on Automobile Engineering for BE	19/03/2018
BE Farewell	29/03/2018
General Aptitude Test for TE & BE	10/2/2018

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Technical Quiz Competition for SE	24/02/2018
Yoga Meditation Program for Faculty	10/4/2018

### **15) Proposed Plans**

- Formnation of student Chapter.
- Personality Development Forum Cell.
- To have research collaborations with international universities, Research Laboratories, National R & D organizations and Industries.



## Department Mission, Vision

### Vision

- Human Excellence through Technical Education and Research.

### Mission

- M-1 To equip students with required competency and skill in domain of Engineering and research through teaching-learning and practice for their successful professional career.
- M-2 To provide smart and sustainable solutions to societal and industrial problems through student involvement, thereby fostering their creativity and innovativeness.
- M-3 To develop entrepreneurial inclination among students for contributing to the national growth.

### A) Under Graduate student sanctioned Strength:

Year	Students intake
SE	120
TE	120
BE	120

### B) Post Graduate:

Year	Students intake
ME (Heat Power)	18

**2) Details of Workshop/ Seminar Organized:**

Sr no	Seminar /workshop	Expert	For student /faculty	No of participant
1	<b>Two Day Workshop on “Non Destructive Technique”</b>	Mr. Saurabh Bhosale from SV Tech (India) Pvt. Ltd Bhosari.	For TE & BE students	125
2	<b>30 Hrs. Interdisciplinary Course on “Practical Finite Element Analysis using ANSYS”</b>	Prof. M.A. Kumbhalkar	For students BE	28
3	<b>30 Hrs. Add-on Course on “Project Based Analysis of Mechanical Component using ANSYS Workbench”</b>	Prof. M.A. Kumbhalkar	For students BE	42

**3) Academic Achievements by Students (Toppers):**

Name of Student	Class	Percentage
Vaibhav Jaiswal	SE	7.6
Akshay Lonkar	SE	7.4
Dalavi Tukaram Lahu	TE	7.65
Dahale Tushar Ramesh	TE	7.35
Karne Dattatray Abasaheb	BE	74.53%
Pavne Akshay Jaysing	BE	71.73%

**4) Laboratory Development/Purchase Details:**

<b>Sr. no</b>	<b>Lab name</b>	<b>New purchase</b>	<b>Details</b>
1	FM Lab	Major loss measuring setup for Friction factor	63810/-
2	FM Lab	Pressure and flow measurement apparatus	40421/-

**5) Paper Published in International/ National Journal/Conference:**

<b>Sr. No</b>	<b>Name Of Staff</b>	<b>Title of paper</b>	<b>Name of journal</b>	<b>ISBN/ISSN number</b>
01	Prof. M. A. Kumbhalkar	Analysis of Rail Vehicle Suspension Spring with Special Emphasis on Curving, Tracking and Tractive Efforts	IOP Conference Series: Material Science and Engineering	1757-899X 1757-8981
02	Prof. M. A. Kumbhalkar	Analysis of Steering Knuckle of All Terrine Vehicles Using Finite Element Analysis	IOP Conference Series: Material Science and Engineering	1757-899X 1757-8981
03	Prof. M. A. Kumbhalkar	Evaluation of Frequency Excitation of Helical Suspension Spring Using Finite Element Analysis	International Journal of Computer Aided Engineering and Technology	1757-2665 1757-2657



04	Prof. A. J. Bankar,	A Review on Nano composites	IOSR Journal of Mechanical and Civil Engineering	e-ISSN: 2278-1684,p-ISSN: 2320-334X
05	Prof. M. A. Kumbhalkar	Recent Trends In Transportation Technology: - Hybrid-Electric Vehicle: A Review	IOSR Journal of Mechanical and Civil Engineering	e-ISSN: 2278-1684,p-ISSN: 2320-334X
06	Prof. P. A. Dhaware	Analysis For The Reinforcement Of Conventional Armour	IOSR Journal of Mechanical and Civil Engineering	e-ISSN: 2278-1684,p-ISSN: 2320-334X
07	Prof. A.N. Shaikh	A Review on Metal Matrix Composites	IOSR Journal of Mechanical and Civil Engineering	e-ISSN: 2278-1684,p-ISSN: 2320-334X
08	Prof.V.D.Karande	Selection of Air Filter for Automobile Engines	IOSR Journal of Mechanical and Civil Engineering	e-ISSN: 2278-1684,p-ISSN: 2320-334X
09	Prof. M. A. Kumbhalkar	Failure Analysis For Initiation Of Crack On Helical Pinion Shaft- A Review	IOSR Journal of Mechanical and Civil Engineering	e-ISSN: 2278-1684,p-ISSN: 2320-334X
10	Prof. M.A. Kumbhalkar	Study For Frequency Response Of Railway Vehicle Using Modal Analysis	IOSR Journal of Mechanical and Civil Engineering	e-ISSN: 2278-1684,p-ISSN: 2320-334X

11	Prof. A. K. Nayse,	Comprehensive Review On Performance Combustion And Emission Of Diesel Engine Using Biofuel.	IOSR Journal of Mechanical and Civil Engineering	e-ISSN: 2278-1684,p-ISSN: 2320-334X
12	Prof. Chandrashekar.P.Satav	Forming Of Complicated Shape by Using Viscous Pressure -A Review	IOSR Journal of Mechanical and Civil Engineering	e-ISSN: 2278-1684,p-ISSN: 2320-334X
13	Prof. NandJeeKanu	A Review on Metal Matrix Composites	IOSR Journal of Mechanical and Civil Engineering	e-ISSN: 2278-1684,p-ISSN: 2320-334X
14	Prof. C. P. Satav	Review Paper On Analysis Of Spur Gear	IOSR Journal of Mechanical and Civil Engineering	e-ISSN: 2278-1684,p-ISSN: 2320-334X
15	Prof. R. M.Deshmukh	Wear Analysis of Pivot Pin Housing of Electric Locomotive	IOSR Journal of Mechanical and Civil Engineering	e-ISSN: 2278-1684,p-ISSN: 2320-334X
16	Prof. Rajkumar.M. Deshmukh	Limitations of Current Metallic Bone Plates: towards Development of Composite Bone Plates	IOSR Journal of Mechanical and Civil Engineering	e-ISSN: 2278-1684,p-ISSN: 2320-334X
17	Prof. Prashant A Dhaware	Design & Analysis for Intake System of Formula SAE Car	IOSR Journal of Mechanical and Civil Engineering	e-ISSN: 2278-1684,p-ISSN: 2320-334X

18	Prof. AshvinKamble	Design And Development of Waste Heat Recovery In Furnaces	IOSR Journal of Mechanical and Civil Engineering	e-ISSN: 2278-1684,p-ISSN: 2320-334X
19	Prof. Rajkumar. M. Deshmukh	Limitations of Current Metallic Bone Plates: towards Development of Composite Bone Plates	IOSR Journal of Mechanical and Civil Engineering	e-ISSN: 2278-1684,p-ISSN: 2320-334X
20	Prof. C. P. Satav	Design And Analysis of Portal Axle For SUV	IOSR Journal of Mechanical and Civil Engineering	e-ISSN: 2278-1684,p-ISSN: 2320-334X
21	Prof. Prashant B.Maitreya	Oscillating closed loop pulsating heat pipe: A Literature review	IOSR Journal of Mechanical and Civil Engineering	e-ISSN: 2278-1684,p-ISSN: 2320-334X
22	Prof. Md. Ziya Gous	A Review on Nano composites	IOSR Journal of Mechanical and Civil Engineering	e-ISSN: 2278-1684,p-ISSN: 2320-334X
23	Prof. Nand Jee Kanu	A Review on Electric Discharge Machine	IOSR Journal of Mechanical and Civil Engineering	e-ISSN: 2278-1684,p-ISSN: 2320-334X
24	Prof. S. G. Chitnis	Design of Pipe Bending Machine	IOSR Journal of Mechanical and Civil Engineering	e-ISSN: 2278-1684,p-ISSN: 2320-334X
25	Prof. A.J. Bankar	Machine Jig for Assembly of Take-Up Wheel Shaft of Friction	IOSR Journal of Mechanical and Civil Engineering	e-ISSN: 2278-1684,p-

		Type Currency Counting Machine		ISSN: 2320-334X
26	Prof. S. S. Bhosale	Design Of U-Drilling Fixture For Axle Arm	IOSR Journal of Mechanical and Civil Engineering	e-ISSN: 2278-1684,p-ISSN: 2320-334X
27	Prof. Shital Bhosale	Abrasive Jet Gun	IOSR Journal of Mechanical and Civil Engineering	e-ISSN: 2278-1684,p-ISSN: 2320-334X
28	Prof. Nand Jee Kanu	Recent Advances in Nano composites: an Overview	IOSR Journal of Mechanical and Civil Engineering	e-ISSN: 2278-1684,p-ISSN: 2320-334X
29	Prof. M. A. Kumbhalkar	Modelling And Simulation Of Regenerative Braking System For Light Commercial Vehicle- A Review	IOSR Journal of Mechanical and Civil Engineering	e-ISSN: 2278-1684,p-ISSN: 2320-334X
30	Prof. C. K. Chepparge	Analysis for Failure in Welding in Welding of Pivot Pin in WAP 4 Locomotive	IOSR Journal of Mechanical and Civil Engineering	e-ISSN: 2278-1684,p-ISSN: 2320-334X
31	Prof. C K Chheparge	Fabrication And Characterization of Natural Fiber Reinforced Polyester Composites	IOSR Journal of Mechanical and Civil Engineering	e-ISSN: 2278-1684,p-ISSN: 2320-334X
32	Prof. M. A. Kumbhalkar	Finite Element Analysis of Rail Vehicle Suspension Spring for	Lecture Notes on Multidisciplinary	ISBN 978-3-319-76275-3

		Its Fatigue Life Improvement	Industrial Engineering, Springer Nature 2018	
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### 6) Expert Lecture Activity:

Sr. No.	Subject name	Class	Sub teacher	Expert name	No of lect. conducted by expert
1	TOM-I	SE	Prof. M.A.Kumbhalkar	Mr. Tilak Pimpalkar	2 Hr

### 7) Student Placement Status:

Sr No	Name Of Student	Company	Package per Annum (Lacks)
1	Ashitosh Phalake	Ganesh Industries-Shivane,Pune,02025294170	1.42
2	Akshay Pujari	Ganesh Industries-Shivane,Pune,02025294170	1.42
3	Akash Gayakawad	Ganesh Industries-Shivane,Pune,02025294170	1.42
4	Sanket Shinde	Ganesh Industries-Shivane,Pune,02025294170	1.42
5	Akshay Salunkhe	Warade Packtech- 4-9 and 14-17 Dhadge estate Sn. No.14 Nanded Village Sinhgad Road, Pune 411041. 02024393780	1.2

6	Sharad Dikule	Warade Packtech- 4-9 and 14-17 Dhadge estate Sn. No.14 Nanded Village Sinhgad Road, Pune 411041. 02024393780	1.2
7	Rahul Asok Gadekar	Paranjape Autocast Pvt. Ltd.,Jawale Road, Zagalwadi Phata, Village-Sanghvi Post- Naigoan, Via Shirwal - 412801 Dist. Satara - 412801, INDIA.,+91 (02169) 244393 / 244247	2.09
8	Dattatraya Abasaheb Karne	Paranjape Autocast Pvt. Ltd.,Jawale Road, Zagalwadi Phata, Village-Sanghvi Post- Naigoan, Via Shirwal - 412801 Dist. Satara - 412801, INDIA.,+91 (02169) 244393 / 244247	2.09
9	Vaibhav Jangid	Paranjape Autocast Pvt. Ltd.,Jawale Road, Zagalwadi Phata, Village-Sanghvi Post- Naigoan, Via Shirwal - 412801 Dist. Satara - 412801, INDIA.,+91 (02169) 244393 / 244247	2.09
10	Swapnil Indalkar	Mentoria-RH-5, Sadamangal Society, Maharashtra Koregaon park pune-411001 08291856155	3
11	Sourabh Awati	CCMC, Saudi Arabia- Al Kurnaysh S, Jeddah 22754, Saudi Arabia.	8
12	Shubham Bhasale	Tata Motors-Pssengers vehicals bussiness unit-Pune,sector No.15 &015A PCNTDA	2.04

		Chikhali,Pune,411062. 02066131111	
13	Ashish Dalvi	Cleantech Systems Pvt. Ltd.- Regd.of- A-14 Saudamini Socity, Bhosari Colony poud road khothrud Pune411038. 02113203082	1.8
14	Gite Ajinkya Jayant	Seinumero-Nirman, Shindevadi, Tal Bhor, Gate No-207, Plot no. 788, Pune, Maharashtra 412205, Phone-020 6522 1266	2.04
15	Pol Sanket Suryabhan	Precision Automation & Robotics India, 463A,463B & 464, Khandala, Tal, Dhangarwadi, Maharashtra 412801,Phone 02169 246 300	1.2
16	Waghmode Ajit Gangaram	CIKAUTXO INDIA PVT. LTD, S. No. 662., Pune - Mumbai Road Talegaon Dabhade, Pune, Maharashtra 410506, 02114 660 110	1.2
17	Thorat Rishikesh Avinash	Trinity India Forgetech Pvt. Ltd.Gat No. 1425/2&3, Pune - Ahmednagar Road, Near Enkei Wheels,, Shikrapur Tal: Shirur Dist Pune., Pune, Maharashtra 412208, Phone-02137 614 300	1.44
18	Anantkawalas Sanket Nagnath	H12 Industrial Solution	1.5
19	Gavakar Dnyaneshwar Gopal	Impel Founder,Shiroli MIDC,Kolhapur.	1.5
20	Borhade Adesh Kaluram	ElringKlinger Automotive Components (India) Pvt. Ltd.,Plot No. G2 Ind. Area,Tal. Shirur,	1.5

		Ranjangaon, Maharashtra 412220, 02138 671 773	
21	Sonawane Yogesh Vishnu	Bosch Chassis Systems India Pvt. Ltd.Gat no. 306, Village Nanekarwadi, Chakan, Pune, Maharashtra 410501, Phone-020 3061 6300	2.04
22	Salunkhe Tushar Dnyandeo	Bosch Chassis Systems India Pvt. Ltd.Gat no. 306, Village Nanekarwadi, Chakan, Pune, Maharashtra 410501, Phone-020 3061 6300	2.04
23	Jadhav Dhananjay Sanjay	Tenneco Automotive India Pvt Ltd Pune,Gat no. - G6 Phase - III,Chakan MIDC Kuruli, Khed, Maharashtra 410501 Phone: 096898 90501	1.2
24	Anpat Mayur Milind	General motors India pvt Ltd., Umbare Navalakh,Talegaon Dhabhade,Pune, Maharashtra 410507	1.8
25	Bandgar Krishna Balbhim	Furcon Industry	1.8
26	Akash Pawane	Ven-Tech Pvt. Ltd.	1.8
27	Maner Sahil Hidaytulla	CIKAUTXO INDIA PVT. LTD, S. No. 662., Pune - Mumbai Road Talegaon Dabhade, Pune, Maharashtra 410506, 02114 660 110	1.2



**8) Faculty/ Students Achievements Details:**

- **Prof. M. A. Kumbhalkar** published his book chapter in Advanced Engineering and Material Science book, **Springer Nature** 2017-18.
- 07 Faculties attended FDP/Workshop/ STTP at various locations
- One faculty attended an International conference on Advanced Manufacturing and Material Science at Kochi.
- Prof. C.P.Satav registered for Ph.D.
- Our students are participated in National event “**SAE SUPRA**” which is the competition for Design and manufacturing of “All terrain vehicle”.

**9) Students Participation in extracurricular and co curricular activities: (if any)**

Sr. No.	Name of Paper	Authors	Name of Journal
1	Parametric study of vapour compression refrigeration system by using different capillary and Refrigerants	Omkar Pawar, Pravin Pawar, Gourav Ranaware, Yogesh Kakade	International Journal of Mechanical, Robotics and Production Engineering
2	Analysis for Failure in Welding in Welding of Pivot Pin in WAP 4 Locomotive	Adesh Borhade, Akash Gangad, Dnyaneshwar Gavakar, Akshay Bhosale	IOSR Journal of Mechanical and Civil Engineering
3	Analysis for the Reinforcement of Conventional Armour	Sairaj V Lonishte, Gajanan P Lohar, Vaibhav J Kirdat	IOSR Journal of Mechanical and Civil Engineering
4	A Review on- Experimental Investigations of	Sharad Dikule, Shubham Tehre, Adesh Hande, Akshay Hatkar	IOSR Journal of Mechanical and Civil Engineering

	Process Parameters in EDM Process		
5	Modelling and Simulation of Regenerative Braking System for Light Commercial Vehicle- A Review	Shubham Shewate, Yogesh Sonawane, Tushar Salunkhe, Samrat Savant	IOSR Journal of Mechanical and Civil Engineering
6	Analysis on an Exhaust Manifold to define a catalyst FE- Model Review	Ashish Dalvi, Prasad Bhojane, Tushar Gadekar, Tejas Gattani	International Journal for Scientific Research and Development
7	Wear Analysis of Pivot Pin Housing of Electric Locomotive	Pranav Agarkar, Mayur Anpat, Vishal Choudhari, Shubham Bhasale	IOSR Journal of Mechanical and Civil Engineering
8	Design of Pipe Bending Machine	Chetakraj Chavan, Arjun Dhamale, Sharad Gaikwad, Gunjan Jawale	IOSR Journal of Mechanical and Civil Engineering
9	Redesigning a boiler Chimney System to Enhance Boiler Efficiency Against Fouling	Saurabh Awati, Akshay Patil, Vaibhav Narawade, Sujit Arage	international Journal of General Science and Engineering Research
10	Portable Plastic Recycling Machine- An Review	Abhijeet Dhurpate, Ajay Dubal, Sunil Chougule, Shrikrishna Doke	International Journal of Advanced Engineering Research and Technology
11	Fabrication of Automatic Pneumatic Bumper	Shivam K Kapadi, Darshan C Mulye, Ganesh P kothule, Pramod G Mozar,	International Journal of General Science and Engineering Research

12	Design and analysis for Intake System of Formula SAE Car	Chetan V Sambare, Chinmay S Sonawane, Abhishek Rasane, Mahesh Take	IOSR Journal of Mechanical and Civil Engineering
13	Oscilating Closed Loop Pulsating Heat Pipe: A Literature Review	Kishor S Samudre, Omkar M Pise, Vivekn Lad, Akshay Pujari	IOSR Journal of Mechanical and Civil Engineering
14	Abrasive Jet Gun	Praveen Kothwal, Swapnil Adlinge, Nilesh Vishwekar, Ajit Waghmode	IOSR Journal of Mechanical and Civil Engineering
15	Study for Frequency Response of Railway Vehicle Using Modal Analysis	Vibhor Gujjewar, Vaibhav Jangid, Rohit Jagadale, Vaibhav Kadam	IOSR Journal of Mechanical and Civil Engineering
16	Failure Analysis For Initiation of Crack on Helical Pinion Shaft- A Review	Gadekar Rahul Gayakwad Akash, Jadhav Dhananjay, Phalke Ashitosh	IOSR Journal of Mechanical and Civil Engineering
17	Recent Trends in Transportation Technology as Hybrid-Electric Vehicle: A Review	Pranit A Dhole Gajanan.V. Jadhav, Aksahy S Dalwai	IOSR Journal of Mechanical and Civil Engineering

### 10) Industrial Visit:

Sr. No	Company Name	Date	No. of Students
01	Electric Locomotive Workshop, Bhusawal	01/08/2017	32

02	Mapro Industries Ltd.	09/09/2017	70
03	Katraj Dairy	28/9/2017	73
04	Vindhyanchal Hydro Power pvt.ltd	23/3/2018	54
05	Warje Water treatment plant	27/3/2018	40
06	Sadguru Maruti Car Service station	27/3/2018	85
07	Yashwantrao Chavan Natyagruha	04/03/2018	52

### 11) BE Project details:

Number of Projects	Number of Sponsored Projects	Awards (For Project)
24	16	Nil

### 12) Internship by Students:

Sr.No.	Name of Student	Company Name
1	Lokesh Bhirud	Relience Industries Ltd
2	Sagar Nirmal	KSB Pump Ltd
3	Ravi Tripathi	Army Base Workshop
4	Chinmay Sangam	Cummins India Ltd.
5	Jivan Patil	Vikash Sahakari Sakhar Karkhana
6	Jagdish Pagar	Greaves Cotton Ltd.
7	Chirag Bhole	Bosch chesis Pvt Ltd
8	Rushabh Jangale	Hero Showroom
9	Venkatesh Gole	Hero Showroom

10	Nilesh Mangave	Cone Cranes Pvt Ltd.
11	Shivam Deshmukh	Kakade Lasers Pvt Ltd.
12	Hrushikesh Chavan	Super Precision
13	Suraj Dhole	Ashok Leyland
14	Sourav Borse	Bosch chesis Pvt Ltd
15	Chinmay Sangam	Tharmax Ltd
16	Amit Pawar	Crane Process Flow Ltd
17	Harshad Ajit Deodhar	Kirloskar Ferrous Industries Limited Solapur
18	Nikhil Ramchandra Salunkhe	Kirloskar Ferrous Industries Limited Solapur
19	Shardul Eknath Bhalerao	Kirloskar Ferrous Industries Limited Solapur
20	Ajit Shivaji Doiphode	Kirloskar Ferrous Industries Limited Solapur
21	Saurabh Ashok Bapat	Kirloskar Ferrous Industries Limited Solapur
22	Pranav Vilas Thopate	Kirloskar Ferrous Industries Limited Solapur
23	Yuvraj Bharat Sarger	Kirloskar Ferrous Industries Limited Solapur
24	Kishor Kumechand Savant	Kirloskar Ferrous Industries Limited Solapur
25	Rohan Shivaji Chavan	Kirloskar Ferrous Industries Limited Solapur
26	Krishna Mahadu Sarode	Kirloskar Ferrous Industries Limited Solapur
27	Kedar Rajabhau Raut	Kirloskar Ferrous Industries Limited Solapur
28	Akshay Mahadev Sase	Kirloskar Ferrous Industries Limited Solapur
29	Shriram Bhausahab Sonawane	Kirloskar Ferrous Industries Limited Solapur
30	Rushikesh Narayan Salunkhe	Kirloskar Ferrous Industries Limited Solapur
31	Rupam Bhagwat Shinde	Kirloskar Ferrous Industries Limited Solapur
32	Shantunjay Angad Biradar	Kirloskar Ferrous Industries Limited Solapur

**13) Industry Institute Interaction:-**

<b>Organization with which MoU is signed</b>	<b>Year of signing MoU</b>	<b>Duration</b>
Pathak Techno Solutions	20/06/2017	Three Years
Sigma Industries Nanded PhataSinhgad road Pune	06/12/2017	Three Years
Kakade Laser, Sinhgad road Pune	26/06/2017	Three Years
Mahesh Soni Automobile Spare Parts Dealer GaziabadUtterPradesh	04/07/2017	Three Years
Mechanical Department Bharati Vidyapeeth Deemed University College of Engineering Pune	3 April 2018	3 Years
CADDESK, Pune	2017	1 Year
Shree Sadguru Maruti Service Centre ,Dhayari Pune	2017	Three Years

**14) Mechanical Engineering Student Association (MESA):**

On the occasion of “Engineer’s Day” the MESA members has decided to organize the events both Technical and Non-Technical events on 23<sup>rd</sup> and 24<sup>th</sup> September 2017. The finalized events were

- Box Cricket
- Quiz Competition
- Model Making
- Talent Hunt
- Ludo King.

As the effect of the Campaigning and because of the great response towards the activities, **350+ participants** were participated in these events.

**15) NSS Activities:**

Sr. No	Name Of The Activity	Date	No of Participated	Highlights of NSS work
1	Inaguration of Nss Unit	25/09/2017	25	Inaguration and starting of 1 <sup>st</sup> NSS unit at JSPM NTC
2	Tree Plantation in Campus By Chief Guest And Nss Members	25/9/2017	25	Tree plantation at JSPM NTC Campus
3	Campaigning For Public Awareness About Ganesh Murti Visarjan Under Ncl	25/8/2017	10	NSS volunteers work with collaboration with NCL for this event
4	Murtidaan In Co-Ordination With Grampanchayat Narhe	5/9/2017	10	NSS volunteers works with grampanchayat narhe for this event
5	Pune Cyclothon	17/9/2017	8	NSS volunteers work Hemalkasa and lok biradari mitra mandal for this event
6	Blood Donation Camp In Jspm Ntc	4/10/2017 and 15/3/2018	25	BLOOD DONATION CAMP IN JSPM NTC
7	New Year Celebration At Sumati Balwan (Orphanage)	31/12/2017	20	NSS volunteers celebrate 31 <sup>st</sup> December at sumati balwan orphanage
8	Special Camp Held At Salwade	13/12/2017	12	Special camp was held at Salawade Tal. Bhor Dist. Pune for 8 days

9	Free Medical Checkup And Medicine Distribution In Association With Satya Sai Seva Sansthan At Salwade	6/1/2018	12	Free Medical Checkup And Medicine Distribution In Association With Satya Sai Seva Sansthan was held at Salawade Tal. Bhor Dist. Pune
10	Volunteering At 3 <sup>rd</sup> Vishwa Ved Vigyan Sannmelan (Vvvs)	14/01/2018	25	NSS group works as volunteers for AT 3 <sup>RD</sup> VISHWA VED VIGYAN SAMMELAN (VVVS) at pune
11	Speak For Nation	25/01/2018	25	Elocution competition at JSPM NTC on Nation on the occasion of republic day

#### 16) NPTEL Course:

Three faculty members (Prof. S.G.Chitnis, Prof. C. K. Chheparge and Prof. A. N. Shaikh) and students registered for NPTEL online courses.



# **Annual Reports of**

E. MCA

## MCA Department

### 1) Department Mission:

Provide a strong theoretical and practical background across the computer science discipline with an emphasis on software development so that they can take up various challenges in the field of computer applications.

To provide students with tools to become productive, participating global citizen and lifelong learner.

### Department Vision:

To be the source of bringing out globally competent pioneering computing professionals, researcher, innovators and entrepreneurs and thereby contribute valuable for industry and society; and remain a source of pride for all Indian.

### A) Post Graduate:

Year	Students intake
MCA I	60

### 2) Details of Workshop/ Seminar Organized:

Sr no	Seminar /workshop	Expert	For student /faculty	No of participant
1	Workshop on “How to write a research Paper”	Prof.Deepika Sarwate (MCA Department).	Students	13
2	Guest Lecture on Python Programming	“Mr.Pankaj Bandgujar” ”	Students	8

3	30 hrs Workshop On Project Guidance By	Mrs. Harsha shukla, Test Engineer Capgemini, Pune.	Students	8
4	Awareness of Computer Lab	Mr. Lalaso Jadhav System Admin	Nonteaching	7

### 3) Academic Achivements by Students (Toppers):

Nil

### 4) Laboratory Development/Purchase Details :

Nil

### 5) Paper Published in International/ National Journal/Conference:

Sr. no.	Name of faculty/student	Title of paper	Title of journal/publication	Location
1	Prof. Deepika Sarwate	Exploring Genetic Algorithm for Shortest Path Optimization in Data Network	The International Conference on Communication, Computing Storage & Energy, IC3SE-18	Pune
2	Prof. Shilpa Deshmukh	Home Automation Using Internet of Things(IOT)	The International Conference on Communication, Computing Storage & Energy, IC3SE-18	Pune
3	Prof. Ashwini Tekale	Database Security Threat and Challenges	The International Conference on Communication,	Pune

			Computing Storage & Energy, IC3SE-18	
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**6) Expert Lecture Activity:**

Nil

**7) Student Placement Status:**

Sr No	Name Of Student	Company	Package
1	Supriya Raut	PTC	3.5

**8) Faculty/ Students Achievements Details:**

- Prof. Shilpa Deshmukh & Prof. Ashwini Tekale have attended Faculty Development Program on “**Curricular Aspect**” dated 13<sup>th</sup> to 22<sup>nd</sup> November 2017 arranged by JSPM NTC.
- Prof. Deepika Sarwate & Prof. Shilpa Deshmukh has attended Faculty Development Program on “**Quality Assurance**” .
- Prof. Sujata Patil attended two days State Level Seminar on “**Opportunities and Challenges for Entrepreneurship in present Economic Scenario of India**” dated 6<sup>th</sup> to 7<sup>th</sup> February 2018 at JIMS Tathawade ,Pune Sponsored by SPPU.

**9) Students Participation in extracurricular and co curricular activities : (if any)**

<b>Sr. No.</b>	<b>Name of Student</b>	<b>Event</b>	<b>Achievement</b>	<b>Place</b>
	Ganesh Gaikwad	Annual Sport Cricket	-	JSPM NTC
	Rohidas Kandagale			
	Vitthal Lambrat			
	Shivanand more			
	Avinash Navgire			
	Dipesh Patil			
	Ajay Salunkha			
	Sangram Shembde			
	Ganesh Khatpe			
	Suraj Khopde			
	Siddheshwar Shette			
	Shubham Shinde			
	Rohidas kandagale	Annual Gathering Dance	-	JSPM NTC
	Avinash Navgire			
	Prachi Kulkarni			
	Sakshi Kulkarni			
	Shruti Prabhune			
	Mohini Raut			
	Rohini Raut			

	Sangram Shembde		
	Kirti Kharat		
	Suraj Khopde		
	Shubham Shinde		
	Ganesh Khatpe		
	Roshni Nikam		
	Amit Samudra		
	Supriya Raut		
	Ganesh Khatpe		
	Piyush Bhakre		
	Ganesh Gaikad		
	Rohidas khandagle		
	Prachi Kulkarni		
	Sakshi kulkarni	Technovision	
	Vitthal Lambrut	Blind Coding	
	Arti More		2 <sup>nd</sup> Prize
	Shivanand More		JSPM NTC
	Avinash Navgire		
	Dipesh Patil		
	Shruti Prabhune		
	Mohine Raut		
	Rohini Raut		
	Crystal Rodrigues		

	Sangram Shendge			
	Ajay Salunkhe			

### 10) Internship by Students:

Sr.No	Name of Student	Name of Company
1	Daultade Vaishali Bhaguram	WebHub Technology
2	Jadhav Netra	Synnex softtech
3	Jannu Aarti Rajendra	ebc Solutions
4	Raut Supriya Dnyaneshwar	PTC
5	Samudra Amit Prabhakar	Synnex softtech
6	Sathe Akshay Uttam	Synnex softtech
7	Ahirkar Priya Vilas	HAYP Business and IT Solutions
8	Balpande Monika Manohar	Mass Technologies
9	Deore Abhijeet Sukdev	Analog Embeded System
10	Jadhav Geeta	SSP Technology
11	Jadhav Shubhangi Vishvas	WebHub Technology
12	Kalbhor Rohan	Synnex softtech
13	Kamble Apurva Sunil	Analog Embeded System
14	Lende Bhavana Manohar	Synnex softtech
15	Patil Ashish Bhausheb	Synnex softtech
16	Punmiya Tushar Hirachand	SSP Technology

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17	Shinde Bhagyashri Sanjay	Eagle TK Infotech Pvt.ltd
18	Vairagi Bhagyashree Ravindra	SSP Technology
19	Varpe Priyanka Ganesh	WebHub Technology

### 11) Industry Institute Interaction:-

- MOU Between JSPM Narhe Technical Campus and SSP Technology,Pune.
- MOU Between JSPM Narhe Technical Campus and Synnex Softech , Pune.

### 12) NPTEL Chapter:

All faculty members and students registered for NPTEL online courses.



# **Annual Reports of**

F. MBA

## MBA Department

### 1) About the Department:

The MBA department was established in 2011. Department conducts Two years Full-Time post-graduate degree program known as Masters of Business Administration (MBA) approved by All India Council for Technical Education (AICTE), New Delhi, recognized by Government of Maharashtra and affiliated to Savitribai Phule Pune University. Today's business environment is characterized by constant change. Managers are expected to have an ever broader grasp of complex business issues, an understanding of international markets. The department has computer Lab equipped with latest software and hardware. All the computers are connected on LAN. Internet Leased Line of 6 Mbps is available in laboratory, The department has simple elegant and spacious classrooms equipped with latest educational aids like LCD, smart interactive TV.

The department is dynamic in keeping pace with global advancements. Some of the faculties are Ph.D. and most of the faculties are pursuing Ph.D. Faculties are doing research work in diversified areas such as Marketing, Finance, Human Resource etc. Students of the department are working on projects based on recent development in management.

Most of the final year students are placed in various companies like Infosys, Bajaj Finserve, Accenture, ICICI, HDFC and many more. The department conducts many add on courses in collaboration with industry to bridge gap between industry and academia. The department organize workshops and seminars for faculty and student development. The department has adaptive teaching learning process.

The department has central library with varied books along with online National and International journals from IEEE, ACME.

### A) Post Graduate:

Year	Students strength
MBA I	120
MBA II	120

**2) Academic Achievements by Students:**

- Students have presented papers in National Conference and Project Completion based on their summer internship project work.
- Academic Result of first year as well second year is good comparative to University

**3) Staff Development and Training:**

- Nil

**4) Guest lectures and Workshops organized:**

- **Three day workshop on “Entrepreneurship Awareness Camp”**
- **Guest lectures on latest areas of eminent speakers.**

**5) Paper Published in Journals:**

Faculty members have presented and published their research paper in International conference on ‘Sustainable Development in Computer Science and Information Technology’ organized by Poona College on 28<sup>th</sup> February, 2018

**6) Training Programs:**

Faculty members have participated in two days FDP on ‘Teaching Techniques’ organized by Bhivrabai Sawant Institute of Technology & Research, Pune on 22-23 Feb 2018.

**7) Extra-Curricular activities by students:**

10 students have voluntarily participated in Blood Donation Camp held on 16<sup>th</sup> March, 2018

**8) Industry Institute Interaction:**

Department organizes various sessions and invites industry expert to interact with students. It helps in knowing current trends and challenges for buddy managers.

**9) Academic planning for the year 2017-18**

Month	Date	Activity
May-June	5/5/2017	Academic Planning committee meeting
	12/5/2017	Work load distribution and informing allocation of subjects to faculty
	19/5/2017	Preparation of time table for the next semester
	8/5/2017	University examinations for M.B.AI/II
	22/5/2017	Summer Internship project for students
	23/5/2017	HOD & Section In-charge's meeting with Director
July	17/7/2017	Reporting and commencement of theory classes for MBA II students
	19/7/2017	Listing of non-reporting students & informing parents about their absence
	21/7/2017	H.O.D meeting with Director
	28/7/2017	Display of monthly attendance record of Students and informing parents regarding attendance
August	31/7/2017	H.O.D meeting with Director
	3/8/2017	<ul style="list-style-type: none"> <li>• Induction for MBA I students</li> <li>• Assignment</li> </ul>
	7/8/2017	Feedback of Class Test/Assignment
	7/8/2017	Meeting of class representatives with Director
	9/8/2017	Meeting of class teachers & HOD's with Director
	24/8/2017	Remedial classes
	25/8/2017	<ul style="list-style-type: none"> <li>• Students' Feed back</li> </ul>

		<ul style="list-style-type: none"> <li>• Display of monthly attendance record of Students and informing parents regarding attendance of defaulters</li> </ul>
September	28/8/2017	Departmental meeting with the Director
	20/8/2017	Parents meet
	5/9/2017	Teacher's day Celebrations
	7/9/2017	H.O.D meeting with Director
	8/9/2017	Unit test
	11/9/2017	Display of Unit Test marks
	14/9/2017	<ul style="list-style-type: none"> <li>• Guest Lecture series/Seminar</li> </ul>
	21/9/2017	Guest Lectures/Industrial visits
	29/9/2017	Display of monthly attendance record of Students & informing parents regarding attendance of defaulters
October	9/10/2017	Prelims Meeting of teachers &HOD with Director
	13/10/2017	Viva-voce Remedial classes
	24/10/2017	Conclusion of classes
	25/10/2017	Display of term work marks
	30/10/2017	H.O.D meeting with Director
	30/10/2017	Submission of Assignment by students
	6/10/2017	Conclusion of term

	30/10/2017	Display of final internal marks
November-	3/11/2017	<ul style="list-style-type: none"> <li>H.O.D meeting with Director</li> <li>Planning for Second semester and allotment of work load</li> </ul>
December	3/11/2017	Preparatory Leave / Online Examination
	1/12/2017	SPPU Theory Examination
January	1/1/2018	Reporting and commencement of classes
	5/1/2018	Listing of non reporting students & informing parents about their absence
	5/1/2018	H.O.D meeting with Director
	30/1/2018	Display of monthly attendance record of Students and informing parents regarding attendance
February	1/2/2018	H.O.D meeting with Director
	2/2/2018	Class test
	5/2/2018	Display of Class Test marks
	9/2/2018	<ul style="list-style-type: none"> <li>Alumni meet</li> </ul>
	16/2/2018	Meeting of teachers & HOD with Director
	23/2/2018	Remedial classes
	28/2/2018	<ul style="list-style-type: none"> <li>Students Feed back</li> <li>Display of monthly attendance record of Students &amp; informing parents regarding attendance of defaulters</li> </ul>
March	1/3/2018	Departmental meeting with the Director
	22/3/2018	Conclusion of Classes
	22/3/2018	H.O.D meeting with Director

	12/3/2018	Prelim
	20/3/2018	Display of prelim marks
	7/3/2018	Guest Lectures/Industrial visits
	30/3/2018	Display of monthly attendance record of Students and informing parents regarding attendance of defaulters
April	2/4/2018	<ul style="list-style-type: none"> <li>Meeting of teachers &amp;HOD with Director</li> </ul>
	3/4/2018	SPPU Online exam
	10/4/2018	Conclusion of theory and practical's
	26/4/2018	Display of term work marks
	27/4/2018	H.O.D meeting with Director
	30/4/2018	Submission of internal marks to SPPU
	30/4/2018	Farewell

This is tentative schedule. Any change in this calendar will be duly notified.

#### 10) Proposed Plans

- To obtain International Accreditation: ABET
- To develop association with R & D organizations and Industries.

#### 11) Worth mentioning Highlights

1. Guardian Faculty member scheme for students (GFM)
2. Conduct of entrepreneurship development programmes

# **Annual Reports of**

## **G. First Year Engineering**



## Department of First Year Engineering

### 1) About the Department:

The Department of Engineering Sciences was established in 2011, comprises 23 multi-disciplinary faculty members mainly related to Physics, Chemistry, Mathematics, Civil Engineering, Basic Electrical Engineering, Basic Electronics Engineering, Mechanical Engineering and Computer Engineering. The department has well equipped laboratories which enable faculty and students to apply fundamental knowledge to create innovative new technologies. All the subjects of First year engineering are taught by our well qualified and experienced faculty members. Department of Engineering Sciences runs an exclusive Guardian Faculty Member (GFM) Scheme. Each faculty is taking care of a group of 20 students. Our team of FE staff is continuously involved in student centered activities. Daily each GFM interact telephonically with the parents of students those who are absent on the day or even for a single lecture. They also interact directly with the parents of respective student once in a week and share the progress of the students. Personal care of students is being taken by faculty members so that they feel homely environment.

### Under Graduate

#### Student Sanctioned Strength:

Year/Branch	Students strength
FE Mechanical I Shift	120
FE Mechanical II Shift	120
FE Civil	120
FE Computer	60
FE E & TC	60
Total	480

### 2) Academic Achievements by Students:

- One of the students of First Year earn 9.92/10 S.G.P.A in SPPU Examination in academic Year 2017-18
- Academic Result of FE is good comparative to overall result of University

### **3) Staff Development and Training:**

- Dr .S.D. Kore has completed their Ph.D. & Prof. C.S. Kulkarni pursuing his Ph. D
- Prof. S.S. Ambare has qualifies SET conducted by SPPU.

### **4) Paper Published in Journals:**

1. Prof. Nagnath Madhukar Gaikwad published paper on Preparation of Nanocomposites Films from Polyvinyl alcohol/Starch Carboxy Methyl Cellulose/ Montmorillonite” in **ICNTN-2018**.

### **5) Training Programs:**

03 faculty attended 07 day FDP at RSCOE, Thathwade

### **6) Extra Curricular activities by students:**

#### **a) NSS:**

Students enthusiastically participated and volunteered in the blood donation camp conducted by NSS.

**b) Cultural :** Four students from department have participated in ‘Firodiya Karandak’

**c) FESA :** Conducted Frshers party under FESA on Saturday 28<sup>th</sup> October 2017

**d) Industrial Visit :-** Arrange industrial visit at Mapro Garden & Chocolate Plant, Mahabaleshwar, Satara on 31<sup>st</sup> ,March, 2018

## 7. Academic planning for the year 2017-18

Month	Date	Activity
July	26/07/2017	Academic Planning committee meeting
	27/07/2017	Work load distribution and informing allocation of subjects to faculty
	28/07/2017	Display of time table for the next semester
	31/07/2017	HOD & Section In-charge's meeting with Principal
August	01/08/2017	FE Induction Program
	01/08/2017	Reporting and commencement of theory and practical classes for F.E students
	01/08/2017	Listing of non reporting students & informing parents about their absence
	07/08/2017	H.O.D meeting with Principal
	31/08/2017	Display of monthly attendance record of Students and informing parents regarding attendance
	04/09/2017 to 09/09/2017	Phase – I Examination Unit test – I Examination
	11/09/2017	H.O.D meeting with Principal
	12/09/2017	Display of Phase and Unit test marks on notice board
	12/09/2017	Inform Phase and Unit test marks to parents
	13/09/2017	Students' Feed back
	17/09/2017	Parents meet
	29/09/2017	Display of monthly attendance record of Students and informing parents regarding attendance of defaulters

October	03/10/2017	Departmental meeting with the Principal
	09/10/2017 to 14/10/2017	Phase – II Examination Unit test – II Examination
	16/10/2017	Display of Phase and Unit test marks on notice board
	17/10/2017	Inform Phase and Unit test marks to parents
	17/10/2017 to 21/10/2017	Practice session for students for Phase III examination
	31/10/2017	Display of monthly attendance record of Students & informing parents regarding attendance of defaulters
November-	01/11/2017 to 17/11/2017	Practice session for students for Phase III examination
	10/11/2017	Meeting of class teachers &HOD's with Principal
	11/11/2017	Conclusion of theory and practical's
	11/11/2017	Display of final detention list of students
	20/11/2017 to 24/11/2017	Prelims for F.E students
	27/11/2017	Term work Submission
	28/11/2017	Display of term work marks
	01/12/2017 to 14/12/2017	Preparatory Leave / Theory (Phase III) Examination
	14/12/2017 to 28/12/2017	University Examination
	28/12/2017	<ul style="list-style-type: none"> <li>• Planning for Second semester and allotment of work load</li> </ul>

		<ul style="list-style-type: none"> <li>Work load distribution for second semester and informing allocation of subjects to faculty</li> </ul>
	29/12/2017	Display of time table for the Second semester
	29/12/2017	Students reporting notice for second semester
January	01/01/2018	Reporting and commencement of theory and practical classes for F.E students
	02/01/2018	Listing of non reporting students & informing parents about their absence
	08/01/2018 to 09/01/2018	Techno Vision - 2018
	11/01/2018 to 12/01/2018	Akruti - 2018
	19/01/2018	Students feedback (oral)
	31/01/2018	Display of monthly attendance record of Students and informing parents regarding attendance
February	01/02/2018	H.O.D meeting with Principal
	05/02/2018 to 10/02/2018	Phase – I Examination Unit test – I Examination
	12/02/2018	Display of Phase and Unit test marks on notice board
	12/02/2018	Inform Phase and Unit test marks to parents
March	01/03/2018	Departmental meeting with the Principal
	02/03/2018	Display of monthly attendance record of Students and informing parents regarding attendance of defaulters

	05/03/2018 to 10/03/2018	Phase – II Examination Unit test – II Examination
	12/03/2018	Display of Phase and Unit test marks on notice board
	12/03/2018	Inform Phase and Unit test marks to parents
	12/03/2018 to 31/03/2018	Practice session for students for Phase III examination
	31/03/2018	Display of monthly attendance record of Students & informing parents regarding attendance of defaulters
	31/03/2018	Industrial visits
	31/03/2018	Probable detention list
April	01/04/2018 to 13/04/2018	Practice session for students for Phase III examination
	07/04/2018	Parents meet
	13/04/2018	Conclusion of theory and practical's
	13/04/2018	Display of final detention list of students
	16/04/2018 to 20/04/2018	Prelims for F.E students
	23/04/2018	Term work Submission
	24/04/2018	Display of term work marks
May	01/05/2018 to 10/05/2018	Preparatory Leave / Theory (Phase III) Examination
	11/05/2018 to 24/05/2018	University Examination

# **Annual Report of**

## **3. Examination Cell Report**

## Examination Cell Report

### 1. Introduction

The different examinations had conducted as per the guidelines of Savitribai Phule Pune University, Pune in the academic year 2017-18.

Under UG category for FE and SE online, Oral, Practical, Term Work and theory examination, for TE & BE Insem, Oral, Practical, Term Work and Endsem examinations had conducted.

Under PG category for ME, MBA, MCA Oral, Practical, Term Work and Endsem examinations had conducted.

### 2. Branch-wise details for average pass percentage of students

Program Code	Program Name	Number of students appeared in the final year examination.	Number of students passed in the final year examination.
675519110	Civil Engineering	132	104
675524510	Computer Engineering	60	58
675561210	Mechanical Engineering First Shift	129	109
675561280	Mechanical Engineering [Direct Second Year First Shift]	102	80
675561220	Mechanical Engineering Second Shift	104	94
675537210	Electronics & Telecommunications	41	36
675510110	Master of Business Administration	55	46
675524110	Master of Computer Application	19	18
675534110	ME E&TC VLSI & Embedded System	2	2
675560110	ME Mechanical Design	13	13
675559620	ME Mechanical Heat Power (II <sup>nd</sup> Shift)	6	6
675524510	ME Computer (I <sup>nd</sup> Shift)	3	3
675524520	ME Computer (II <sup>nd</sup> Shift)	4	4



# **Annual Report of**

## **4. Library**

## CENTRAL LIBRARY

### About the Library:

The College has well equipped library with Reference Section, Reading Hall, Digital Library and Stack-Room.

Various library facilities are provided to students as well as the faculty members. Number of journals, Periodicals catering to various technical fields and current issues are subscribed.

Following E-journals are subscribed.

- IEEE
- ASME
- McGraw Hill Access Engineering Library
- J-GATE Management science (JSMS)

**Subscribed E-Books : - 27000+ Titles**

### Books

Total volumes	:-17289
Total Titles	:-2837
Print Journals	:-127

### Salient features of library:

- Open Access System for all our students & the staff members.
- Internet /Multimedia & Reprographic facility.
- Membership of British Library, DELNET and NDL (National Digital Library).
- National Program on Technology Enhanced Learning (NPTEL).

# **Annual Report of**

## **5. Training and Placement Cell**

## **Training and Placement Cell Annual Report**

### **About Training and Placement Cell:**

Training and Placement Department is established as an integral part of College with an active role in career services for students. The Department is headed by Training & Placement Officer, supported by staff coordinators and student co-coordinators from each department. The vital role of T&P Cell is to groom & shape the students and make them industry ready so that they can face the future challenges in the real world. Our Institute “JSPM NTC” believes that every student who joins the institution deserves to get an earning opportunity. Our belief consolidates in our efforts to ensure that our students get proper training as well as the job. The Department works on Aptitude Test preparation, Personality Development, Counseling, Industry Institute Interactions, Self-employment creation. The models of Academic excellence promoted within the institutes have enabled the confidence in Students and Parents that if a child is admitted to the institute and performs well to get a first class, his/her chances of getting a job opportunity is almost a guarantee. The department organizes programs and seminars for coaching third-year students, for GRE, GMAT and CAT coaching. We have specialized expert faculty to train the students exclusively for campus placement. The training and placement has a Career Advisory Service. The institute has a Language Laboratory to take care students English Communication. Entrepreneurship Development cell develops the spirit of entrepreneurship.

### **Training and Placement activities:**

- Employability Skill Development Training by Zensar Technologies for pre-final year students of Computer and E&TC
- Soft skill training seminar by SpeakWell for all branches of Pre-final year
- Placement related training to final year students
- Career Counseling Sessions
- Guidance for Competitive Examinations
- Association with CII
- Visit various Industries / organizations for Campus Commune Programme
- Provide Internship opportunities for pre-final and final year students
- Organize various In Campus / OFF Campus drives
- Convey Job opportunities in Government / Semi- Government / Public Sectors

**Placement Details:**

Training and Placement Cell have conducted various activities for students considering Employability Enhancement. T&P Cell has conducted various In campus / Off campus drives and given opportunities to students, focus given on starts-ups, small and medium scale companies.

Our Students were placed in various companies, some of them are

- Vyom Labs
- Bitwise
- Harman International
- Amazon
- Paranjape Autocast Pvt. Ltd.
- Micromatic Automation
- Warade Packtech Pvt. Ltd.
- Blue Star
- Sandvik Asia
- Tata Motors
- Shambo Buildcon
- S. S. Techno Ltd.
- Johnson Plastosonic (P) Ltd.
- Bajaj Finserv
- Mentoria

**Worth Mentioning Highlights:**

- Association with CII
- Technical training through experts as per company requirements

# **Annual Report of**

## **6. Internal Research Cell (IRC) Report**

## Internal Research Cell (IRC) Report

The details of various activities/information of the Institute carried by faculty members under IRC are reported in this section.

### 1. Research Grant Details

The Institute promotes faculty for research work through sponsored projects obtained from various agencies. The details of fund granted for projects are reported in table 1 as given below.

**Table 1: Fund grant details**

Sr. No.	Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/Co-investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency
1	Construction of roof top solar photovoltaic system	Dr. J. S. Gawande	2017	500000	2 Years	BCUD, SPPU
2	To study condition monitoring vibration analysis of boiler feed pump and suggestin initiate active maintenance of boiler feed pump impeller	Prof. Nand Jee Kanu	2017	102000	1 Year	Bhairavnath Sugar Factory
3	Manufacturing of nano composites using vacuum Assisted	Prof. Nand Jee Kanu	2017	102000	1 Year	Bhairavnath Sugar Factory

	Resin Transfer modeling					
4	Design and Modelling of Solar Based Tyre Inflation System	Prof. P.V. Puri	2017	17200	1 Years	Modern Engineers
5	Design and Manufacturing of Paper Plate Machine	Prof. R. R. Shinde	2017	21294	1 Years	S. S. Engineers
6	Design and Fabrication of Abrasive Jet Machine	Prof. S. D. Bhalekar	2017	12290	1 Years	Modern Engineers
7	Solar Cooker Using Phase Change Material	Prof. B. B. Aher	2017	11750	1 Years	Modern Engineers
8	Intelligent Headlamp System	Prof. G.S. Dhumal	2017	9000	1 Years	Bhairavnath Sugar Factory
9	Performance Analysis of Earth Pipe Air Heat Exchanger for Summer Season	Prof. S.S. Kale	2017	20000	1 Years	Bhairavnath Sugar Factory
10	Mechanical Assistant Chair	Prof. G.S.Dhumal	2017	25200	1 Years	Bhairavnath Sugar Factory
11	3-Axis Mini Plotter	Prof. J.S. Gawande	2017	33466	1 Years	Bhairavnath Sugar Factory



12	Smart Chair Rotatory System on Smart Phone	Prof. J. S. Kharat	2017	26500	1 Year	Bhairavnath Sugar Factory
13	Energy Recovery from Different Waste Water Using Microbial Reactor	Dr. S. B. Khaple	2017	40000	1 Year	WTE Infra Projects
14	Experimental Investigation on flexural behavior of Blandable concrete	Vijay V. Muthekar	2017	40000	1 Year	Indiana Sucro-Tech
15	Effect of Use of Steel Fiber in Concrete Paving Block	Dr. S. D. Kore	2017	45000	1 Year	Bhairavnath Sugar Factory
16	The Study of Foam Concrete With Natural and Synthetic Foaming Concrete	Prof. P. V. Wayal	2017	23800	1 Year	Bhairavnath Sugar Factory
17	Use of Plastic Waste in Concrete Mixes	Dr. S. D. Kore	2017	25000	1 Year	Bhairavnath Sugar Factory
18	Integrated Marketing communication for educational institutes	Prof. Altaf Shaikh	2017	20000	1 Year	Bhairavnath Sugar Factory

19	Comparative study of Financial Performance of Selected Urban Co-operative Banks in Pune	Dr. Rajendra Choudhary	2017	50000	1 Year	Bhairavnath Sugar Factory
20	Appraisal system for teaching staff	Dr. Sunita Bhole	2017	10000	1 Year	Indiana Sucro-Tech
21	High Speed and Security Based Smart Automation of Electronic Appliances Using MQTT Protocol	Prof. S. B. Shinde	2017	50000	1 Year	S. S. Engineers
22	ECU Diagnostics Validator using CANUSB	Prof. S. B. Shinde	2017	50000	1 Year	S. S. Engineers
23	E-Ayurveda	Prof. Ashwini Tekale	2017	50000	1 Year	WTE Infra Projects

## 2. Details of programs on IPR

To make aware of IPR to faculty and student, Institute organizes workshop/seminar/program for them and the details are given in table 2.

**Table 2: IPR activity details organized**

Sr. No	Year	Program	Duration	
1	2018	Workshop Intellectual Property Right	12/2/2018	12/2/2018
2	2018	Career in IPR for Engineer	23/1/2018	23/1/2018
3	2017	IP related Services and & Trademark	24/3/2017	25/3/2017
4	2017	Workshop on Patent and IP	11/3/2017	12/3/2017

## 3. Paper publications

Faculties of the Institute are contributing in the field of research through publications in international journals and the details of them for year 2017-18 is given in table 3.

**Table 3: International journal publication details**

Sr. No	Name of the Department	Number of Publication
1	Civil Engineering	20
2	Computer Engineering	37
3	Electronics & Telecommunication Engineering	17
4	Mechanical Engineering	116
5	MBA	6
6	MCA	3

## 4. Details of patent

Faculties of the Institute are contributing in the field of patent publication and the details of patents filed/published in the year 2017-18 are given in the table 4.

**Table 4: Details of patent**

<b>Sr. No</b>	<b>Name of Applicant</b>	<b>Name of Invention</b>	<b>Patent number</b>	<b>Status- Filed/Published/Awarded</b>
1	Rajesh .H. Kulkarni	ATG-system: Automatic Ticket Generation System	201821008724	Filed
2	Dr. Satish Satpal, Mahendra Gaikwad	IPM-Machine: Intelligent Paratha Maker Machine	201821015640	Filed
3	Dr. Satish Satpal Rashi Gaikwad Bharat Aher Poornima Hombal Madhuri Deokar	E-Nose System: E- Nose System using ANN/ML to Detect Pollutant Gases, Humidity, Oxygen Level, Air Temperature in Real Time	201821029071	Filed
4	Bharat Aher Bhushan Manmode Dr. J.S. Gawande Poornima Hombal Srinath Patil Sandip Kale	Intelligent Control Wheel Chair	201811034646	Filed
5	H. N. Patil	Biometric-ATM: Accept The Biometric Input And Complete All Banking Process	201821025145	Filed on: 05/07/2018 Published on: 10/08/2018

# **Annual Report of**

## **7. Cultural Activities**

## Report on Cultural Activities in the Institute

The Art circle students of our institute participated in **Firodiya Karandak 2018**, one of the most prestigious **Marathi One Act Drama competition** held every year at various Pune Maharashtra. At Pune centre, only 65 colleges/institutes are given entry to the competition on merit basis. Our Institute was selected for the competition and staged the play "**The Mountain Girl**". The team performance was appreciated by our campus director and all faculty. Prof.Kalyani Wagh of E&TC Engineering Department co-ordinated the activities related to the one act play. The student co-ordinators Shравan Chakke (B.E.Mechanical) and Harshawardhan khivasara (BE civil) managed the writing of script, direction, light, sound and other things. They were supported by students of Computer, Mechanical, Civil and Electronics departments. A group of more than 50 students from all the above departments was formed in August 2015 and various activities related to the play were assigned to students. Auditions were organized and actors were selected after proper selection process.

In Firodiya Karandak 2018 , Vidya Borkar from our team awarded by Best Actor. Award was given by the hands of famous actor Nana Patekar.

The Students from Art circle also participated in prestigious competition "Dajikaka Karnadak" in September 2018.

Art circle students participated in Ganpati decoration every year. As per every year this year we were participated in Ganpati decoration and we were awarded by Best decoration in all JSPM campus by Campus director.

Art circle students organised Workshop for New students in our Campus

# **Annual Report of**

## **8. Sport Activities**

## Report of the Sports activities 2017-18

The following are the activities of Sports

Sr. No.	Sports Activity	Name of Event	Date	Rank/Winner
1.	<b>Participated in the following Inter-College tournaments organized by Pune District Sports Zone, Savitribai Phule Pune University at different colleges</b>			
i)	Cricket	SPPU ICOER Wagholi	15/12/2017	Qualifiers
ii)	Kabaddi	Zest COEP Pune	15/01/2018	Qualifiers
iii)	Cricket	Ranangan ZEAL COE Pune	27/12/2017	Qualifiers
iv)	Kabaddi	AISSMS COE Pune	13/02/2018	Qualifiers
v)	Kho-Kho	MELANG VIT Pune	26/01/2018	Qualifiers
vi)	Kho-Kho	Zest COEP Pune	12/01/2018	Qualifiers
2.	<b>Participated in the following Inter-Department tournaments organized by JSPM NTC, Narhe</b>			
i)	Kabaddi	AKRUTI 2K18 J.S.P.M. NTC, Narhe	25/03/2018 to 26/03/2018	F.E.
ii)	VolleyBall			Mechanical Engineering Department
iii)	Cricket			Mechanical Engineering Department
iv)	FootBall			F.E.



# **Annual Report of**

## **9. National Service Scheme (NSS) Cell Report**

## National Service Scheme (NSS) Cell Report

### About National Service Scheme:

The National Service Scheme (NSS) had its birth on September 24, 1969, during the Gandhi centenary year. The scheme was first launched in 37 Universities comprising 40,000 students.

Today the NSS has become the largest Government organization of students in the country comprising members from the +2 level to the college and university level. The strength of volunteers has now increased to more than 30 lakhs, which makes the NSS one of the largest student forces in the world.

The NSS has good relations with different government agencies and non- government organizations in implementing its programmes for building up community assets, helping the underprivileged people through education and social services.

### National Service Scheme at JSPM:

National Service Scheme unit (Unit No: ASF158 ) was establish in September 2017.

The motto of the National Service Scheme is ***'NOT ME BUT YOU'***

The NSS is part of our academic, social and personal life as it is the third dimension of education. It allows the students to actively contribute their services for the cause of community and the nation, thus helping them develop their personality. Service and attain the traits of a leader of the nation. As such, the NSS is the right platform, where the student- youth of the nation may get to involve with real-life social activities, and thereby become responsible citizen of India.

### National Service Scheme Mission:

- To understand the community in which they work and their views.
- To understand themselves in relation to their community.
- Identify the needs and problems of the community and do the work for problem solution.
- To develop competence required for group living and sharing of responsibilities.
- To acquire leadership qualities.
- To develop capacity for meeting emergencies and natural disasters.
- To develop a sense of social and civil responsibilities to society.
- To gain skill in mobilizing community participation.

**Objective of National Service Scheme** is to develop social service skill among the students.

**Activities conducted in academic year 2017-2018:**

<b>Sr.No.</b>	<b>Activity</b>	<b>Date</b>
1	Inauguration of NSS Unit	25 Sept. 2017
2	Tree Plantation	25 Sept. 2017
3	Campaigning on Water pollution control activity in collaboration with National Chemical Laboratory(NCL)	26 & 27 <sup>th</sup> August 2017
4	Dev Dya Devpan Ghya ( Eco Ganesh Visarjan Under Swachata Abhiyan )	31 <sup>st</sup> August 2017 and 5 <sup>th</sup> September 2017
5	Cyclothon-Aathvanitla Pune Cyklincha Pune	17 <sup>th</sup> September 2017
6	Blood Donation Camp	4 <sup>th</sup> October 2017
7	NSS Special Camp At Salwade	12 <sup>th</sup> to 19 <sup>th</sup> December 2017.
8	Free Medical Checkup & Medicine Distribution	First Saturday of every month
9	New Year Celebration With Sumit Balwan Orphanage	31 <sup>th</sup> December 2017
10	Volunteering at Trityam Vishwa Ved Vidhyan Sannelan	9 <sup>th</sup> to 14 <sup>th</sup> January 2018
11	Elocution competition "Speak for Nation "	25 <sup>th</sup> Jan 2017
12	Blood Donation Camp	15th March 2018

