



Amrutvahini Sheti & Shikshan Vikas Sanstha's

## Amrutvahini College of Engineering, Sangamner

Affiliated to Savitribai Phule Pune University  
Accredited by NBA, New Delhi, 'A' Grade by NAAC & State Government  
An ISO 9001 - 2008 Certified Institute



*Department of Mechanical Engineering*



# MESA

MECHANICAL ENGINEERING STUDENT'S ASSOCIATION



*Journey for Better Tomorrow*



**Hon. Shri. Balasaheb Throrat**  
President



**Hon. Dr. Shri. Sudhirji Tambe**  
Trustee



**Hon. Sau. Sharayutai Deshmukh**  
Trustee



**Shri. Anil Shinde**  
Chief Executive



**Dr. M.A. Venkatesh**  
Principal



**Prof. A.K. Mishra**  
Vice Principal



**Dr. V. D. Wakchaure**  
H.O.D.



## AMRUTVAHINI SHETI & SHIKSHAN VIKAS SANSTHA

In the late seventies rural area of Sangamner was suffering from Poverty, Illiteracy, Drought & Unemployment. The root cause of all these evils is rightly identified by Hon. Late Bhausaheb Thorat a Leader of Cooperative movement, a great visionary & philanthropist. He converted his thoughts into action by creating educational & training facilities. For this he founded Amrutvahini Sheti & Shikshan Vikas Sanstha in 1978 to provide education to poor & socially backward people and ultimately boosted socio economic progress of the rural people. Now as on date Sanstha runs the following Institutes

Sr No.	Name of the Institute	Year of Establishment
1	Amrutvahini college of Engineering	1983
2	Amrutvahini Polytechnic	1983
3	Amrutvahini Industrial Training Institute	1984
4	Amrutvahini Model School & Junior College	1985
5	Amrutvahini Institute of Management & Business Administration (MBA)	1996
6	Amrutvahini College of Pharmacy	2004
7	Amrutvahini Institute of Diploma in Pharmacy	2006
8	Amrutvahini International School (CBSE) Pattern	2012



## AMRUTVAHINI COLLEGE OF ENGINEERING

Amrutvahini College of engineering is established in 1983 under the leadership of late. Bhausaheb Thorat, the institute has been providing distinctive excellence driven engineering education that grooms the future generations of engineers & entrepreneurs. Currently the college offers undergraduate & post graduate courses with annual intake of 780 & 210 respectively & also provides PhD research center in Mechanical Engineering from 2011.

Institution has coveted honour of accreditation three times in 2003, 2007 & 2012 from NBA, An AICTE wing for quality assurance, New Delhi. The institute is also accredited by "A" grade from National Assessment & Accreditation Council (NAAC), New Delhi.

The college has progressed in leaps & bounds & is continuously improving in all aspects of curricular & Extracurricular activities.

### Courses offered by the college

UG Courses		
Sr No.	Name of the Course	Intake
1	Mechanical Engineering	120
2	Civil Engineering	120
3	Computer Engineering	120
4	Production Engineering	60
5	Electronics Engineering	60
6	Electronics & Telecommunication Engineering	60
7	Information Technology	60
8	Electrical Engineering	60
9	Mechanical Engineering Direct 2nd Year (Second Shift)	60
10	Civil Engineering Direct 2nd Year (Second Year)	60

PG Courses		
Sr No.	Name of the Course	Intake
1	ME Mech. (Design Engg.)	18
2	ME Civil (Structural Engg.)	18
3	ME Comp. (Computer Engg.)	24
4	ME Prod. (CAD/CAM)	18
5	ME Elex. (Digital System)	24
6	ME E&TC (Microwave)	24
7	ME IT (Information Technology)	24
8	Master of Business & Administration (MBA)	

Ph D Center in  
Mechanical Engineering Department





## DEPARTMENT OF MECHANICAL ENGINEERING

Established in 1991-92, the department has traversed a path of knowledge dissemination and generation as well as 2500 mechanical engineering Graduates to the universe. Over these 25 glorious years, it has carved a niche for itself in the key areas of teaching, research, consultancy, administration & community services. The department prioritises the necessary revamping of the mechanical engineering education which is driven primarily by dynamics of technological advances and sustainable development with active involvement of industry, alumni, research organizations & other stakeholders. The department offers B.E., M.E., & PhD (Mechanical) Programs.

### LAB DETAILS

Sr No.	Name of the Laboratory	Cost of the Equipment (Rs.)
1.	HEAT ENGINE LAB	4,25,0953/-
2.	STEAM POWER LAB	9,92,963/-
3.	REFRIGERATION & AIR CONDITIONING LAB	2,72,743/-
4.	DYNAMICS OF MACHINERY LAB	87,904/-
5.	THEORY OF MACHINES LAB	3,11,502/-
6.	COMPUTER AIDED DRAWING LAB	7,423,130/-
7.	INDUSTRIAL FLUID POWER LAB	3,59,148/-
8.	MECHATRONICS LAB	5,89,748/-
9.	HEAT TRANSFER LAB	5,79,336/-
10.	POST GRADUATION LAB	2,201,265/-
11.	OFFICE	4,017,626/-
12.	RESEARCH LAB	1,919,418/-
TOTAL		2,30,05,736/-





## FACULTIES



**Prof. A. K. MISHRA**  
Teaching Exp 30 yrs



**Dr. V. D. WAKCHAURE**  
Teaching Exp 20 yrs



**Prof. K.P. MORANKAR**  
Teaching Exp 29 yrs



**Dr. V. S. GADAKH**  
Teaching Exp 14 yrs



**Prof. V. Y. PATIL**  
Teaching Exp 25 yrs



**Prof. V.S. AHER**  
Teaching Exp 22 yrs



**Prof. V. J. HASE**  
Teaching Exp 17 yrs



**Prof. V. M. MHASKE**  
Teaching Exp 21 yrs



**Prof. D. S. BAJAJ**  
Teaching Exp 23 yrs



**Prof. P. N. NAGARE**  
Teaching Exp 18 yrs



**Prof. D. M. NIBE**  
Teaching Exp 12 yrs



**Prof. B. R. VARPE**  
Teaching Exp 15 yrs



**Prof. S. C. FARGADE**  
Teaching Exp 15 yrs



**Prof. R. S. GAVHANE**  
Teaching Exp 14 yrs



**Prof. N. H. TAMBE**  
Teaching Exp 14 yrs



**Prof. M. S. HARANE**  
Teaching Exp 13 yrs



**Prof. Y. R. GUNJAL**  
Teaching Exp 13 yrs



**Prof. A. V. DEOKAR**  
Teaching Exp 14 yrs



**Prof. M.B. SHIRKE**  
Teaching Exp 10 yrs



**Prof. E. T. BAYAS**  
Teaching Exp 10 yrs



**Prof. B.K. VARPE**  
Teaching Exp 13 yrs



**Prof. P. B. WAKCHAURE**  
Teaching Exp 8 yrs



**Prof. K. B. DESHMUKH**  
Teaching Exp 7 yrs



**Prof. K. D. DAGLE**  
Teaching Exp 6 yrs



**Prof. S. T. GADAKH**  
Teaching Exp 6 yrs





## FACULTIES



**Prof. S. K. AMRUTKAR**  
Teaching Exp 9 yrs



**Prof. R. R. VILHEKAR**  
Teaching Exp 5 yrs



**Prof. P. S. SHIVSHARAN**  
Teaching Exp 6 yrs



**Prof. G. B. JAMBUKAR**  
Teaching Exp 12 yrs



**Prof. G.S.PENDBHAJE**  
Teaching Exp 4 yrs



**Prof. K. K. DIGHE**  
Teaching Exp 4 yrs



**Prof. R. U. KADLAG**  
Teaching Exp 6 yrs



**Prof. K. S. BHAGWAT**  
Teaching Exp 4 yrs



**Prof. S. B. CHAUDHARI**  
Teaching Exp 4 yrs



**Prof. N. T. KURHE**  
Teaching Exp 5 yrs



**Prof. P. N. GUNJAL**  
Teaching Exp 4 yrs



**Prof. A. S. SHINDE**  
Teaching Exp 2 yrs



**Prof. Y. J. WAGH**  
Teaching Exp 5 yrs



**Prof. R. E. GITE**  
Teaching Exp 5 yrs



**Prof. S. D. GALANDE**  
Teaching Exp 4 yrs



**Prof. K. S. PHAD**  
Teaching Exp 3 yrs



**Prof. V. V. BORKAR**  
Teaching Exp 1 yrs



**Prof. A. B. AHER**  
Teaching Exp 8 yrs



**Prof. O. U. RAKTATE**  
Teaching Exp 9 yrs



**Prof. R. G. DHAMAK**  
Teaching Exp 2 yrs



**Prof. S.P. THORAT**  
Teaching Exp 2 yrs





## SUPPORTING STAFF



**Mr. J.D. Kumkar**  
Exp.05 Yrs.



**Mr. U.G. Deshpande**  
Exp.30 Yrs.



**Mr. S.B. Jondhale**  
Exp.18 Yrs.



**Mr. V.V. Dawkhare**  
Exp.19 Yrs.



**Mr. P.S. Dighe**  
Exp.08 Yrs.



**Mr. S. K. Hase**  
Exp.01 Yrs.



**Mr. M.S. Khurpe**  
Exp.01 Yrs.



**Mr. A.C. Thorat**  
Exp.18 Yrs.



**Mr. B.K. Bidve**  
Exp.06 Yrs.



**Mr. B.V. Ambhore**  
Exp.02 Yrs.





# MECHANICAL ENGINEERING STUDENTS ASSOCIATION

## **MESA**

### Information About MESA

Mechanical Engineering Students Association (MESA) is an association of the students run by the students for the welfare of the students. MESA provides opportunities for overall development of the students through different activities like GD, Debate, Industrial Visits and Technical Events etc. MESA includes one core team and different activity clubs. These clubs conduct different activities which are controlled and governed by the core team. The core team is first being elected through all the students from SE to BE. Then the clubs get formed for smooth conduction of all the events.

### LIST OF THE CLUBS

#### THINK TANK CLUB

**Prof. K.K.Dighe**  
Rupali Shende  
Rohan Dube

#### COMPETITIVE EXAM CLUB

**Prof. R.R.Vilhekar**  
Mohit Chaudhary  
Mayuri Jondhale

#### EDP CLUB

**Prof. N.T.Kurhe**  
Shubham Gunjal  
Atul Jejurkar

#### ART & CRAFTS CLUB (HOBBY CLUB)

**Prof. O.U.Raktate**  
Chaitanya Ragarkar  
Jayesh Nikumbh

#### SOFTWARE CLUB

**Prof. V.V.Borkar**  
Avdhut  
Akash Dale

#### DEBATE CLUB

**Prof. S.B.Chaudhari**  
Shubham Kapdnis  
Pramod Pawar

#### PERSONALITY DEVELOPMENT CLUB

**Prof. K.S.Bhagwat**  
Raviraj Bhadange  
Snehprabha Shete

#### PRATIBIMB CLUB

**Prof. G.S.Pendbhaje**  
Aniket Shenkar  
Satish Suryawanshi

#### ADVENTURE CLUB

**Prof. K.S.Phad**  
Shiva Kesavani  
Tejal Khairnar

#### APTITUDE CLUB

**Prof. R.E.Gite**  
Vaibhav Kadlag  
Omkar Jadhav

#### MAGAZINE CLUB

**Prof. S.T.Gadakh**  
Devendra Katore  
Ashwini Deshmukh

#### SPORTS CLUB

**Prof. A.S.Shinde**  
Santosh Shingote  
Pratull Vani

#### EVENT MANAGEMENT

**Prof. P.N.Gunjal**  
Vrushali Mhaske  
Abhijit Sonawane

#### SOCIAL WELFARE CLUB

**Prof. A.B.Aher**  
Sanket Galande  
Gaurav Gangurde

#### READING CLUB

**Prof. K.B.Deshmukh**  
Pritam Desai  
Aniket Hase

#### PLACEMENT

**Prof. S.T. Gadakh**  
Suraj Kadhane  
Akshay Chavare





## ACTIVITIES OF THE DEPARTMENT

### 1. International workshop on "Recent Advances in Welding and Joining":

The department of mechanical engineering of AVCOE organized the First International workshop on "Recent Advances in Welding and Joining" sponsored by SPPU, Pune during 16-18<sup>th</sup> March 2017. The participants from all over the India participated in the same.

The resource persons were from the different corners of the world viz. **Dr. Zhou Wei**, Nanyang Technological University, Singapore; **Dr. P. Asadi**, Imam Khomeini International University, Iran; **Dr. Mahadzir Bin Ishak**, Universiti Malaysia Pahang; **Dr. Vishvesh Badheka**, Pandit Deendayal Petroleum University, Gandhinagar; Mr. V. S. Marathe, Chairman, IIW Pune; Mr. M. S. Subramanian Jt. Secretary, IIW Pune.







## Memories of First International Workshop on Recent Advances in Welding & Joining organized during 16th – 18th Mar 2017

### 2.SAE INDIA Club Activities

#### Effi-Cycle:

Effi-cycle is a 3 wheeler which operates simultaneously on human muscular power and electric power. SAE india organizes this event for all the young engineering degree aspirants. The participant teams were from all over the India.

Team “Chanakya” from department of mechanical engineering participated in Effi-cycle 2016 at Lovely Professional University (LPU), Jalandar, Panjab during 11<sup>th</sup> to 16<sup>th</sup> Oct 2016. The team consists of 10 students with one faculty member. It was a great achievement by team that it secured overall 30<sup>th</sup> Rank among the 103 numbers of teams all over India.

The team get leaded and guided by Prof. B. K. Varpe and Prof. M. S. Harne.





### 3. International Day of YOGA:

As per the directions of MHRD, Govt. of India and Savitribai Phule Pune University, "International Day of YOGA" was arranged at Amrut-kalamanch on 21<sup>st</sup> June 2016. Mrs. Sharmale Madam (Professional YOGA trainer) was the trainer for the same. Prof. K. P. Morankar, Coordinator of the program and his team members Prof. S. K. Amrutkar and Prof. S. T. Gadakh took the efforts for the successful completion of the program.



Celebration of 2<sup>nd</sup> International Day of Yoga in the presence of Mrs. Vandana Shermale madam on 21<sup>st</sup> June 2016 at Amrut kalamanch

### 4. Interaction with outside world :



I. The representatives of University of Wolverhampton visited the institute on 22<sup>nd</sup> June 2016 for making the Collaboration with our college. Many staff members and final year students from Department of Mechanical Engg. were present in the MBA conference hall for Interaction session with the Representatives.

II. Dr. Indra Gunawan, Associate Prof. and Director, Project Management Program in Entrepreneurship, Commercialization, and Innovation Centre, University of Adelaide, Australia visited the department on 03/03/2017. He guided the faculties and students on various research avenues and also briefed about the program design, evaluation and different initiatives of Adelaide.





## 5.EDP Club Activities

### a) Entrepreneurship Awareness Camp

Mechanical Engineering Students Association (MESA) in association with UDYOGVARDHINI organized an "Entrepreneurship Awareness Camp" sponsored by Ministry of Science & Technology, India on 16th & 17th July 2016 at Dronagiri Conference hall. Mr. Sunil Chandak, Director Udyogwardhini Nasik; Mr. Deepak Maniyar, Foudrer President Deepak Industries, Sangamner; Prof. A. K. Mishra, Principal AVCOE, Sangamner; Prof. K. P. Morankar, Head, Department of Mechanical Engineering were present for the Inauguration ceremony. Prof. N. T. Kurhe (Departmental EDP Co-Ordinator), Prof. P. B. Wakchaure, Prof. G. S. Pendbhaje, Prof. R. R. Vilhekar, Prof. K. K. Dighe, Prof. S. T. Gadakh & Mr. S. P. Thorat took the efforts for the same.

This program got an excellent response from all the students of AVCOE. Two days were managed by many amazing sessions from different world known speakers. The program was then followed by an industrial visit to the many industries of Nasik to get real life experience to the participants.





### b) Entrepreneurship Workshop :

To inculcate the entrepreneur nature in the student's minds, Mechanical Engineering Students Association (MESA) has organized a Entrepreneurship Workshop 06th Feb 2017. Prof. Prakash Bhosale (CEO, E-branding India) was the resource person for the same. From all the departments of AVCOE, 410 students attended this workshop. Prof. N. T. Kurhe and his team coordinated the programme.



### 6. Guru- Pournima Ustav :

To express gratitude and love toward the guru, MESA organized an impressive event of Guru Pournima Utsav on 19th July 2016 at Dronagiri Conference hall. Prof. A. K. Mishra, Principal ; Prof. K. P. Morankar, Head, Department of Mechanical Engineering and all the staff members from Department of Mechanical Engineering were present for the same.

### 7. Adventure Club Activity :

Under the MESA (Mechanical Engineering Student Association) we are having Adventure Club in our department. The club is working for development of adventural habit and consciousness towards health of individuals. Now in this semester this club had arranged a visit to Harishchandragarh on 21st January 2017. Total 53 students actively participated in trekking activity with companions of Prof. K. S. Phad and Prof. D. S. Bajaj.

Students have enjoyed the trekking activity also they have seen Ponds, Greenery, Lord shiva temple, caves etc. As a part of social activity students have cleaned the Harishchandragarh area and gave the social message regarding cleanliness and maintaining heritage.







## 8. Think Tank Club Activity - ISRO (Bangalore Visit)

MESA (Mechanical Engineering Student Association) has different active clubs. One of which is Think Tank Club. As a curiosity of satellite manufacturing, launching and how ISRO successfully launched 104 satellites at a time, think tank club organized a visit to ISRO, Bangalore during 26th Feb to 01st Mar 2017. In this visit 56 students from different branches along 04 faculties were participated. The visit was well coordinated by Prof. S. C. Fargade, Prof. S. T. Gadakh, Prof. K. K. Dighe, Prof. D. N. Kalokhe and student coordinator Miss. Rupali Shende.

Along with the getting knowledge regarding satellite manufacturing and launching, students experienced the real life planning of Chandra Yan-2 Mission.

This visit was supported by Management of AVS&SVS, Chief Executive Shri. Anil Shinde, Principal Dr. M. A. Venkatesh, HOD Mechanical Engineering Dr. V. D. Wakchaure, Registrar Prof. V. P. Waghe and MESA coordinator Prof. P.B.Wakchaure. Chief trustee of AVS&SVS Hon. Shri. Balasaheb Thorat, Hon. Dr. Sudhirji Tambe and Hon. Mrs. Sharayutai Deshmukh appreciated such knowledgeable and innovative initiative taken by the department.





## ISRO Visit





## 9. Competitions Held :

Sr. No.	Name of the Event	Name of Winners	Co ordinator
1	Logo Design Competition 22 June 2016	1. Varun Sahu (BE-B)	Prof. P.B.Wakchaure
2	Essay Writing Competition 30 August 2016	1. Katore Devendra M. (BE-A) 2. Kardile Pratap M.(SE-A) 3. Patait Ankur Arun(TE-C)	Prof. K.S. Bhagwat
3	Group Discussion Competition 18 to 23 Sept. 2016	1. Deshmukh Ashwini (TE-A) 2. Gaikwad Omkar (SE-C) 3. Kadlag Nikhil (BE-A)	Prof. S.B. Chaudhari
4	Debate Competition 30 Sept. 2016	1. Deshmukh Ashwini (TE-A) 2. Tajane Chinmayi (BE-B) 3. Zha Alok kumar (BE-B) 4. Thombare Kiran (BE-B)	Prof. S.B. Chaudhari
5	Painting Competition 20 Jan. 2017	1. Devendra M.Katore (BE-A) 2. Sanket Marwadi (TE-C) 3. Pratik Argade & Pratap Kardile. (SE-A)	Prof. O.U. Raktate
6	English Contest Test 25 Jan. 2017	1. Chaudhari Shruti (TE-A) 2. Kale Vishakha (TE-A) 3. Deshmukh Sayli (TE-A)	Prof. S.T.Gadakh Prof.R.E.Gite Prof.K.K.Dighe Prof.K.S.Phad
		1. Shete Karan (TE-B) 2. Landge Aditya (TE- B) 3. Shvam Negi (TE- B)	
		1. Gore Gopal (TE-C) 2. Chvhan Yuvraj (TE- C) 3. Rathod Jitesh (TE- C)	
7	Rangoli Competition 17 Feb. 2017	1. Sahane Preeti & Mamta Sharma (SE-B) 2. Gore Bhagyashree & Kanade Pradnya (BE-A) 3. Patil Chetan, Kalal Surabh & Shirsath Gaurav (BE-C)	Prof. O.U. Raktate



## Glimpses of GD and Debate Competition



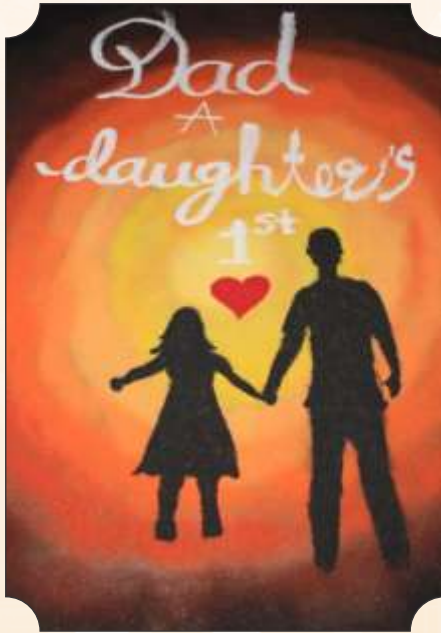


## Painting Competition





## Rangoli Competition





## 10. Industrial Visits & Guest Lectures



Guest lecture on Intellectual Property Rights by Dr. S. M. Sawant, Professor, RIT, Islampur, Kolhapur



A guest lecture on Opportunities in Oil and Natural Gas sector by Mr. Vasant D. Mestry, MD, Suvidya Inst. of Tech. Mumbai



A Guidance Program on Opportunities after GATE examination by Mr. Vishwas Khedkar, Aviation officer IOCL, Pune on 17 Feb. 2017

## 11. One day workshop on Aircraft Technology

Department of Mechanical Engineering arrange a one day workshop on Aircraft Technology on 22 Jan. 2017. Dr. Shankar Narayan, AGM, HAL, Nashik was the resource person. Prof. E.T. Bayas & Prof. N.T. Kurhe coordinated the event.





## 12. AAROHAN :

MESA gave farewell to passing out students of BE Mechanical on 5th Apr 2017. The programme was really a memorable incidence for all the passing out students as it includes guidance from one of alumni viz. Mr. Amit Barate followed by fun games, musical performances, singing a song, skits, expressing the thoughts of passing out students as well as thoughts of teachers about the entire four years journey of this 2017 passing out batch.





### 13. Conference / Symposium / Technical Event / Workshop / FDP organized in the department

Sr. No.	Date	Name of Conference / Technical Event
1	29 <sup>th</sup> July 2016	A one day workshop on "Drone – Build & Fly"
2	20 <sup>th</sup> & 21 <sup>st</sup> Sept 2016	A one day workshop on "Mechanical Vibration"
3	26 <sup>th</sup> Sept 2016	A one day orientation workshop on "Avishkar"
4	28 <sup>th</sup> Sept 2016	One day workshop on "Refrigeration and Air-Conditioning"
5	25 <sup>th</sup> Nov 2016	A one day FDP on Fetching the Research Grants
6	06 <sup>th</sup> Feb 2017	Entrepreneurship Workshop
7	16 <sup>th</sup> – 18 <sup>th</sup> Mar 2017	First International Workshop on Recent Advances in Welding & Joining



A one day workshop on "Drone – Build & Fly"



A one day workshop on "Mechanical Vibration" Prof. L. S. Dhamande SRES COE, Kopergaon







"Avishkar" orientation Programme in presence of Dr. Ravindra G. Jaybhaye; OSD, BCUD, SPPU, Pune & Dr. Ashok P. Giri; Senior Scientist, NCL, Pune



A one day FDP on Fetching the Research Grants graced by Prof. Dr. A. M. Kuthe, VNIT, Nagpur





## 14. Workshops / Conference / Fdp / Technical Event Attended Outside the Department

Sr.No.	Date	Name of Workshop / Conference	Faculty attended	Organized by
1.	28 <sup>th</sup> June 2016	Engineering and Industrial Services	Prof. E.T.Bayas, Prof. K.D.Dagale, Prof. A.B.Aher, Prof. O.U.Raktate, Prof. S.T.Gadakh and 07 others from the deptt.	TPC, AVCOE, Sangamner in association with TCS, Pune
2.	27 <sup>th</sup> Aug 2016	Half day seminar on 'Skilling tomorrow's Engineers with advanced product development capabilities'	Prof. Gadakh S. T. and Prof. Galande S.D.	G SQUARE tech systems Pvt. Ltd. in association with Siemens PLM Software and Design tech systems ltd. at Ahmednagar
3.	19 <sup>th</sup> Sep 2016	Ahmed nagar District ARC Workshop 2016	Prof.D.S.Bajaj	Premraj Sarda College, Ahmednagar
4.	4 <sup>th</sup> Oct 2016	Innovation 2016	Prof. S.T.Gadakh, Prof. D.S.Bajaj, Prof. R.R. Vilhekar, Prof. K.B.Deshmukh, Prof. M.S. Harne, Prof. P.S. Shivsharan, Prof. E.T.Bayas, Prof.K.K.Dighe	DVVP COE, Ahmednagar
5.	06 <sup>th</sup> Oct 2016	One Day State Level Workshop On "Conditioning Monitoring of Rotating Machinery Using Vibration Analysis"	Prof. Kadlag R.U., Prof. Mhaske V.M., Prof.Galande S.D., Prof.Deokar A.V. Prof.Fargade S.C., Prof. Borkar V.V.	Sanjivani College of Engineering
6.	8 <sup>th</sup> Nov 2016	Syllabus Revision Meeting of the sub- Design of Machine Elements	Prof.D.S.Bajaj, Prof.P.N.Nagare, Prof.M.S.Harne	Savitribai Phule Pune University, Pune at Rajshree Shahu Engineering College, Pune





Sr.No.	Date	Name of Workshop / Conference	Faculty attended	Organized by
8.	12 <sup>th</sup> & 13 <sup>th</sup> Dec 2016	Two days FDP on <b>A Novel Approach to Become the Best Teacher</b>	All the faculties of Department of Mechanical Engineering	R&D, IPR and Consultancy Cell in association with Internal Quality Assurance Cell
9.	14 <sup>th</sup> Dec 2016	Awareness Programme on <b>Intellectual Property Rights (IPR)</b>	All the faculties of Department of Mechanical Engineering	R&D, IPR and Consultancy Cell in association with Internal Quality Assurance Cell
10.	16 <sup>th</sup> & 18 <sup>th</sup> Dec. 2016	6th International 27th AIMTDR	Dr. V.D. Wakchaure	COEP, Pune
11.	19 <sup>th</sup> - 23 <sup>rd</sup> Dec. 2016	Life-long researcher part-2	Prof. A. V. Deokar	SVNIT, Surat
12.	7 <sup>th</sup> & 8 <sup>th</sup> Feb 2017	Two days National Level Workshop on <b>“Condition monitoring of Rotating machinery”</b>	Prof. Kadalag R.U.	NDMVPS's KBT College of Engineering, Nasik

#### PROJECT COMPETITION : 1st Prize

Project Title	Name of the Participant	Class
Tractor Operated Onion Harvester	Sonwane Abhijit Vijay Wakale Nikhil Narayan Pardeshi Pankajsingh Anil	BE (B)
Wood Apple as a alternative fuel to coal	Deore Tushar Ramesh	TE (C)

#### RANGOLI COMPETITION : 1st Prize

Rangoli Competition	Kiran Tribhuvan & Group (Shraddha, Snehprabha, Suwarna, Shital,)	BE (C)
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#### COLLECTION COMPETITION : 1st Prize

Collection Competition	Katore Devendra Manohar	BE (A)
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## Guest Lectures in the department

Sr.No.	Date	Title of Lecture	Lecture Delivered by	Coordinator
1	21st June 2016	2nd International Yoga Day	Mrs.Vandana Shermale Sangamner.	Prof. K. P. Morankar & Team
2	16th June 2016	Entrepreneurship as a career	Mr. Sunil Chandak Director Udyog Vardhini Nashik	Prof. N.T. Kurhe & Team
3	16th July 2016	Opportunities & experiences in small scale Industries	Mr. Deepak Maniyar Director Deepak Ind. Nasik	Prof. N.T. Kurhe & Team
4	16th June 2016	Entrepreneurial personality development	Mr. Hemant Patil Director Getinspired	Prof. N.T. Kurhe & Team
5	17th July 2016	Recent opportunities to become entrepreneur	Mr. Pankaj Ghadge Director Beefly. Nasik	Prof. N.T. Kurhe & Team
6	17th July 2016	Opportunities in civil sector	Hiren Chaudhari Businessman & real estate developer	Prof. N.T. Kurhe & Team
7	29th July 2016	Application of Drones for Automation	Mr.Prasanna Shevare, Mr. Apurva Godbole. Director Drona Aviation Pvt. Ltd.	Prof.E.T.Bayas & Prof. K.D. Dagale
8	12th August 2016	Intellectual Property Rights	Dr. S. M. Sawant, Professor, Rajarambapu Institute of Technology (RIT), Rajaramnagar, Islampur. (Former Dean, Shivaji University, Kolhapur)	----
9	27th Aug 2016	Expectations of Industries from fresh Engg.	Mr. Vishwajeet Karmarkar Manager, Bosch Nasik	----
10	25th Aug 2016	Mind Power	Dr. Nilam Mulay (Psychiatric expert and consultant)	----
11	07th Sept 2016	Need of energy conservation	Mr. Atchut Mehendale Enrich Consultants, Pune	----





Sr.No.	Date	Title of Lecture	Lecture Delivered by	Coordinator
12	11th & 12th Jan 2017	Personality Development	Shri. Rajesh Chavhan, Founder Jeevan Sanjivani Vikas Sanstha	Prof. K.K.Dighe and TPC
13	11th Jan 2017	Access CAD	Sanjay Kothekar CEO	Prof. V. J. Hase
14	13th Jan 2017	Capacity Building	Dr. Rajesh Arora	T. P Cell
15	18th Jan 2017	Opportunities in Oil and Natural Gas sector	Mr. Vasant D.Mestry, MD, Suvidya Inst. of Tech. Mumbai Prof. S.T. Gadakh,	Prof. Gite R. E. and TPC
16	21st Jan 2017	Awareness about CAD-CAM & CAE	Mr. Rajendra Patil, MD, Apollo Technology	Prof. A.V.Deokar
17	22nd Jan 2017	Aircraft Technology	Dr. Shankar Narayan, AGM, HAL, Nashik	Prof. Bayas E.T., Prof. Kurhe N.T.
18	25th Jan 2017	Career guidance for Campus Drive	Vinay Raikar Partner, Campus Credential	Prof. S.T.Gadakh
19	10th Feb 2017	Application Mechatronics	Mr. Uday Kalkekar, TACCT, Nashik	Prof. Raktate O.U., Prof. Kurhe N.T., Prof.V.V.Borkar
20	17th Feb 2017	Opportunities after GATE examination	Vishwas Khedkar, Aviation officer IOCL, Pune	Prof. S.T.Gadakh
21	17th Mar 2017	Nuclear Energy	Dr. Vishvesh Badheka (PDPU, Gujrat)	Dr. Gadakh V.S., Dr. Wakchaure V.D.





## Guest Lectures delivered outside the department

Sr.No.	Date	Title of Lecture	Lecture Delivered by	Lecture Delivered To
1	28th Sep 2016	MATLAB for CAD-CAM	Prof. S. T. Gadakh	BE-Mechanical Students, Deptt. of Mechanical Engg., SVIT, Nasik
2	09th Oct 2016	Hands on Practice on AutoCAD 3D modeling	Prof. P. N. Nagare	Third Year Mechanical Students, Indira Gandhi Polytechnic, Belwandi, Ahmednagar
3	23rd Jan 2017	Career Guidance Program What after 12th	Prof. S. T. Gadakh Prof. Kurhe N. T.	12th Science Students, Haribhau Sangale Yashwant Jr. College, Nimon and SBNES & Jr College Dodi
4	17th Feb 2017	Career Guidance Program What after 12th	Prof. Gunjal Y.R.	12th Science Students, Sir D.M.Petit High school and Jr. College, Sangamner
5	17th Feb 2017	Career Guidance Program What after 12th	Prof.K.K.Dighe	12th Science Students, SantJanardan Swami Vidyalyaya, Kolhewadi
6	18th Feb 2017	Career Guidance Program What after 12th	Prof. G.B.Jambukar & Prof.R.S.Gavhane	12th Science Students, D.K.More Janata Jr. College Vadgaon Pan Tal-Sangamner
7	18th Feb 2017	Career Guidance Program What after 12th	Prof. G.B.Jambukar & Prof.R.S.Gavhane	12th Science Students, New English Medium School & College Talegaon Dighe
6	18th Feb 2017	Career Guidance Program What after 12th	Prof. G.B.Jambukar & Prof.R.S.Gavhane	12th Science Students, D.K.More Janata Jr. College Vadgaon Pan Tal-Sangamner
8	9th Feb 2017	Key Note address on Soft Skill Development during "Soft Skill Development Week"	Dr. V. D. Wakchaure	Graduate Students, SMBT College, Sangamner
9	3rd March 2017	Optimum Design	Dr. V. D. Wakchaure	Mechanical Engineering, Shatabdi CoE&R, Sinnar





## Industrial Visits

Sr. No.	Industry Visited (Date)	Number of students attended / Class	Faculty associated
1	Ekvira Industries & Shri Ganesha Industries, Nasik (01st Aug & 02nd Aug 2016)	EDP-Cell Registered students	Prof. N.T.Kurhe
2	S.B.T. Sugar Factory, Sangamner (22nd Aug 2016)	SE-A	Prof. N.H.Tambe
3	MB Automotives. Ambad MIDC (30th Aug 2016)	TE-C	Prof. Kiran Phad,
4	S.B.T. Sugar Factory, Sangamner (07th Sept 2016)	SE-B	Prof. P.B.Wakchaure
5	Rajhans Aqua Plant Pvt. Ltd. Sangamner (07th Sept 2016)	TE-A	Prof. P.S.Shivsharan
6	Rajhans Aqua Plant Pvt. Ltd. Sangamner (08th Sept 2016)	TE-B	Prof. P.N.Gunjai
7	S.B.T. Sugar Factory, Sangamner (18th Sept 2016)	SE-C	Prof. R.R.Vilhekar
8	Rajhans Aqua Plant Pvt. Ltd. Sangamner (21th Sept 2016)	BE-A	Prof. V.S.Aher
9	S.B.T. Sugar Factory, Sangamner (22nd Sept 2016)	BE-B	Prof. B.R.Varpe
10	Shyadri Farm, Mohadi (23rd Sept 2016)	BE-C	Prof. R.G.Dhamak
11	Rajhans Milk Plant, Sanagamner (27th Jan 2017)	TE-A (59)	Prof. O.U.Raktate
12	Rajhans Milk Plant, Sanagamner (27th Jan 2017)	TE-B (60)	Prof. N.T.Kuhre
13	Rajhans Milk Plant, Sanagamner (27th Jan 2017)	TE-C (50)	Prof. V.V.Borkar
14	SHAN motors Sangamner (15th Feb 2017)	SE-A (72)	Prof. D M Nibe



Sr. No.	Industry Visited (Date)	Number of students attended / Class	Faculty associated
15	SHAN Motors, Sangamner (17th Feb. 2017)	SE-B (70)	Prof. B.R.Varpe
16	SHAN Motors, Sangamner (17th Feb. 2017)	SE-C (55)	Prof. R.R.Vilhekar
17	Hydro Power Plant, Nilwande (22nd Feb. 2017)	TE-A (59)	Prof. Y.J. Wagh
18	Hydro Power Plant, Nilwande (22nd Feb. 2017)	TE-B (60)	Prof. M.S.Harne
19	Hydro Power Plant, Nilwande (22nd Feb. 2017)	TE-C (50)	Prof. R.R.Gite
20	S.B.T. Sugar Factory, Sangamner (01st March 2017)	BE-A (75)	Prof. P. Shisharan
21	Hydro Power Plant, Nilwande (22nd Feb. 2017)	BE-B (65)	Prof. K.S.Bhagwat
22	S.B.T. Sugar Factory, Sangamner (01st March 2017)	BE-C (60)	Prof. S.D.Galande

## 15. Industrial Training Programmes



21 Students have participated in the Industrial Training Programme at Bosch India Ltd.



43 students have participated in the Industrial Training Programme at Reliance Thermal Power Plant (DTPS)





## 16. Value Added Courses in the Department

Sr.No.	Date	Course Title	Lecture Delivered by	Co-ordinator
1	20July 2016 to 5Jan 2017	GATE 2017	Mr. Paresh Gugale Imperial Institute of Excellence, Pune	Dr. V.S.Gadakh
2	25th July to 1st Aug 2016	U Can Speak (Communication Skill)	Prof. Rahul Shinde, U Can Speak Academy	Prof. O. U. Raktate, Prof. K. K. Dighe Prof. Kiran Bhagwat
3	30th July - 19th Sept 2016	German Language Level A1 Course	Miss. Neha D. Joshi, Shwetass World of Foreign and Indian Languages	.Prof. Patro P. & Prof. S. T. Gadakh
4	6th - 17th Sept 2016 and 2nd week of Jan 2017	ANSYS CFD	Mr. Srijit Jacob & Mr. Chaitanya, Mind Box, Pune	Prof. S. T. Gadakh & Prof. Swapnil Galande
5	6th Sept - 9th Oct 2016	NX-CAD Uni-graphics	Mr. Swapnil Gulhane & Mr. Pradip Mahaddeokar, G-Square Tech systems Pvt. Tech., Pune	Prof. S. T. Gadakh
6	26th & 27th Sept 2016	Two days Short term course CAM using Feature CAM & RP	Mr.D.B.Shinde Delcam Pune,Indiasoft, Pune. Ms.Kiran Nayar Founder, Printdel 3D and 3D Printerkart, MIDC, Sinnar, Nashik	Dr. V. S. Gadakh Prof. V. J. Hase Prof. S.T. Gadakh
7	March 2017	German Language Level A1 Course	Miss. Neha D. Joshi, Shwetass World of Foreign and Indian Languages	Prof. Patro P. & Prof. S. T. Gadakh



Two days Short term course  
CAM using Feature CAM & RP



# SPECIAL ACHIEVEMENTS

## STUDENTS CORNER

1. Mr. Patil Vinit V. (BE-B) was the winner of zonal table tennis tournament of SPPU, Pune and has participated in inter zonal table tennis tournament organized at Marathawada Mitra Mandal Engg., Pune during 18th to 19th Aug 2016.
2. The students from the Amrutvahini College of Engineering played an act in the "Shahu Modak Karandak 2016" held on 27th and 28th Aug 2016 at Ahmednagar and also participated in "SPPU Student Welfare Ekankika Competition 2016" held during 31st Aug. to 3rd Sept. 2016 at SPPU, Pune. Following are the students from Department of Mechanical Engineering played a role in the same.

Sr. No.	Name	Class	Division
1	Mayur Sor	BE	B
2	Reshma Sheikh	BE	B
3	Gaurav Gangurde	BE	A
4	Anjali gunde	TE	A
5	Ramesh Shelke	BE	B

3. Mr. Abhishekh S.Kadu participated in state level inter collegiate debate competition organized by Firodiya Law college, Pune on 30th & 31st Aug 2016.
4. Mr. Akash Dale & Mr. Sushil Kshirsagar, students from SE-A participated in Bike Mania and secured 1st position in METECH-16 organized by MET Bhujbal Knowledge City during 16th & 18th Sept 2016.





5. Mr. Sanket Galande a student from mechanical engineering department participated and won first prize in selfie contest organized by the civil engineering department of AVCOE.

6. Mr. Pramod Pawar & Miss. Yogita Navale have participated in the Sharda Karandak-2016 at Pemraj Sarda College, Ahmednagar on 29th Sept 2016.



7. Mr. Chaitanya Nagarkar had participated in Divisional Youth Festival at Sangamner College organized by SPPU, Pune on 27th Sept 2016.

8. One of our alumni name Sachchidanand Jagtap took a charge of adventurous activity for spreading good things all over the India. He started his journey from the coast of Arabian sea in Karnataka to the land of Lamas in the Himalaya. Total journey is of 40 days covering 13 states. Till date he completed 11000 Kms. He tooks this journey to test his abilities and endurance. He got this inspiration from birds to contribute little to environment .During this journey he sappled 10,000 seeds of neem tree in Gujrat and Rajasthan .





9. Following research projects from the department of mechanical engineering got shortlisted from the college to participate in the zonal level project competition of **Avishkar-2016**. The competition was held at Art Science and Commerce College, Rahuri on 9th Dec 2016.

Sr. No.	Name of Project	Group Members	Class
1	Effortless Bicycle	Rahul Dhamak	M.E.
2	Advance Trike	Lavagale Shubham Katore Devendra Satpute Rahul Shinde Nishikant	BE-A BE-A BE-A BE-B
3	Emission Control For Automobiles By Integrated DOC-DPF	Waykar Vishal Tajane Chinamayi Thombare Kiran Shenkar Aniket	BE-B BE-B BE-B BE-B
4	Onion Harvester	Sonwane Abhijeet Swatale Nikhil	BE-B BE-B
5	Mechnically Operated Antilock Breaking System	Shingote Santosh Nagarkar Chaitanya Sawant Sagar Randhe Pratibha	BE-B BE-B BE-B BE-B
6	Design and mechanical modeling for 4 stroke diesel engine	Pritam Desai Raviraj Bhadange Kesarwani Shiva Attar Shahid	BE-A BE-A BE-A BE-A

Out of these one of the research project of researcher named Mr. Rahul Dhamak (PG Category) got shortlisted to represent at University level and this event was conducted at SPPU, Pune on 10th & 11th January 2017. He got excellent remark there also and got shortlisted for further Inter-University research project competition of Avishkar-2016 which was then conducted at Swami Ramanand Teerth Marathwada University, Nanded (MS) during 27th to 29th January 2017. Where there was competition among 20 universities. Total 48 projects were come for that competition. In that competition SPPU, Pune won 1st prize.





10. In the annual social gathering of Amrutvahini Sheti & Vikas Sanstha named **MEDHA-2017**, the different competitions were held during 5th to 7th Jan 2017. In these competitions the students from all the colleges of AVS&SVS were participated. All these competitions were very tough. In few of these competitions the students from mechanical engineering department engraved their names at excellent positions viz.

Sr. No.	Name of Event	Position held	Name of concern stude
1	Spot Painting	1 <sup>st</sup>	Katore Devendra Manohar
2	Anchoring	2 <sup>nd</sup> 3 <sup>rd</sup>	Akash Jagtap Nikhil Kadlag
3	Musical Drama	2 <sup>nd</sup> 3 <sup>rd</sup>	Surajya Group Borse Shubham & Wani Prafull
4	Instrument playing	1 <sup>st</sup> 3 <sup>rd</sup>	Saurabh Jadhav Nagarkar Chaitanya
5	Kho-Kho	1 <sup>st</sup>	Shubham Bhafna and team
6	Volley ball	1 <sup>st</sup>	Sachin Mali and team
7	Badminton	1 <sup>st</sup>	Akash Jagtap, Akash Ingle and Sachin Mali
8	Spot Poetry	2 <sup>nd</sup>	Vivek Balasaheb Gite

### Memories of MEDHA-2017



Along with this on the last day of MEDHA-2017, there was competition of these winners with the out siding participants from the different colleges of Ahmednagar & Nasik region for MEDHA CUP 2017. In this toughest competition of MEDHA CUP 2017 one of the groups from mechanical engineering department named Surajya Group secured 2nd Price in musical drama. For smooth conduction of all the events of MEDHA-2017, many staff coordinators as well as student coordinators worked hard. Following students were the coordinators for different events:

Sr. No.	Name of the student co-ordinator	Event Name
1	Abhijit Shinde	Fashion - show
2	Manoj Jadhav	Dance

11. **Datir Manoj, Dengale Vrushabh, Arote Yogesh and Phatangare Sachin** participated in paper presentation and secured 1st Prize in A State Level Conference on Recent Trends in Science & Technology organized by Samarth Group of Institutions college of engineering, Belhe sponsored by QIP SPPU on 5th Jan 2017.

12. **Mr.Abhishekh S.Kadu** has participated in 7th Bhartiya Chhatra Sansad organized by MIT school of Government, Pune during 17th to 19th Jan 2017.

13. **Mr. Harshal Deore**, a student of BE-Mechanical Div-A attended a workshop on Advanced-IOT conducted by E&TC Department, AVCOE during 15th - 20th Feb 2017.

14. **Mr. Pawar Pramod, Miss. Yogita Navale, Miss. Sharma Mamata & Mr. Ashish Sapkale** have participated in Transo-Tech 2K17 debate competition and secured first prize at SIRAS College, Rahata on 22nd Feb 2017.

15. Following group of students from BE mechanical div-A participated in "28th Dipex 2017" at Pune during 16th -21st March 2017.

**1.Harshal Deore      2.Santosh Desai      3.Sameer Dokhe**

16. Winners Departmental level English Contest test participated in the college level English Contest test conducted by Foreign Language Cell on 25th Feb 2017 and following are the winners from the mechanical engineering department.

**1.Chaudhari Shruti (TE-A)      2.Kale Vishakha (TE-A)      3.Deshmukh Sayli (TE-A)**

17. Following students from the department of mechanical engineering successfully completed a one week workshop on "OS3 plus Embedded" organized by TPC, AVCOE during 15th -20th Feb 2017

**1.Harshal Deore      2.Dhananjay Borkar      3.Sameer Dokhe      4.Satpute Rahul**

18. Amrut Meritorious scholarship winners from department of mechanical engineering of this year :

i. **Nehe Roshan** (BE-B)

ii. **Pansare Shubham** (BE-B)

These students secured more than 80% marks and hence received a scholarship of Rs. 1000/- per months for entire semester.





## GATE-2017 Qualified Students



Mr. Pansare Shubham Bhaskar  
Score :- 69.10



Mr. Patil Kiran Suresh  
Score :- 57.36



Mr. Karandikar Shridhar Suhas  
Score :- 51.16



Mr. Nehe Roshan Ramesh  
Score :- 49.77



Mr. Pitale Akshay Ajit  
Score :- 45.22



Mr. Niphade Kiran Vishnu  
Score :- 44.23



Miss. Londhe Aarti Ashok  
Score :- 38.73



Mr. Jagtap Akash Jagdish  
Score :- 38.4



Mr. Chaudhari Chetan Prakash  
Score :- 36.02



Mr. Dengale Vrushabha B.  
Score :- 35.67



Mr. Attar Shahid Abdul  
Score :- 35.31



Mr. Datir Manoj Subhash  
Score :- 33.60



Mr. Athare Shubham Kundlik  
B. E (Mech)  
Score :- 33.56



Mr. Gardas Akshay A  
B. E (Mech)  
Score :- 30.83



Mr. Salve Ajinkya Pandurang  
B. E (Mech)  
Score :- 26.06



## - CLASS TOPPERS -

### MAY-2016 EXAMINATION

Rank	SE	TE	BE
1 <sup>st</sup>	Landge Aditya Sanjay (74.66%)	Nehe Roshan Ramesh (78.40%)	Mungase Nilesh Bhaskar (79.93%)
2 <sup>nd</sup>	Kulkarni Hrushikesh (74.53%)	Pansare Shubham Bhaskar (76.53%)	Bhikane Sachin Vijaykumar (76.93%)
3 <sup>rd</sup>	Negi Shivam Manoj (73.00%)	Jundhare Madhuri (76.00%)	Aghav Akshay Ajinath (76.33%)

### NOV-2016 EXAMINATION

Rank	SE	TE	BE
1 <sup>st</sup>	Deore Siddharth Popat (9.2) Kokane Akshay G (9.2)	Kolpe Kishor N. (78.4%)	Nehe Roshan R. (82.13%)
2 <sup>nd</sup>	Jadhav Omkar Pratap (9.08)	Kapadnis Tushar P. (77.86%)	Pansare Shubham B. (81.86%)
3 <sup>rd</sup>	Kanwade Adesh Shantaram (8.88) Kshatriy Vaibhav Sanjay (8.88) Kulthe Bhushan D (8.88) Navale Yogita Ramdas (8.88)	Kapadnis Subhod P. (74.13%)	Desai Pritam S. (79.73%)

### MAY-2017 EXAMINATION

Rank	SE	TE	BE
1 <sup>st</sup>	Deore Siddhant Popat (9.24)	Patil Pawan Narendra (79.66%)	Pansare Shubham B, (82.06%)
2 <sup>nd</sup>	Kokane Akshay (9.16)	Kolpe Kishor Nana (76.66%)	Nehe Roshan R. (81.86%)
3 <sup>rd</sup>	Raut Gaurav J. (9.12)	Kapadnis Tushar P. (78.33%)	Desai Pritam S. (80.06%)





## - SUBJECT TOPPERS -

### MAY-2016 EXAMINATION

SE		TE		BE	
Sub.	Name	Sub.	Name	Sub.	Name
TOM-I	Waghmare Samadhan B. (71) Wankhade Aniket B. (71)	NMO	Desai Pritam Sudam (90)	PPE	Joshi Niraj Shrikant (74) Walte Harshavardhan S. (74)
EM	Sanap Suraj Narayan (74)	DME	Tarkhedkar Omkar Anil (90)	MSD	Kulkarni Vishal Sunil (85)
ATD	Kapadnis Subhod (78)	TMC	Kala Saurabh Bupesh (69)	IE	Pawar Yogesh Machindra (78)
SOM	Deole Chinmay S. (74)	MTX	Nehe Roshan Ramesh (81)	FEA	Ahirrao Sampada Somnath (76)
EEE	Waghmare Samadhan B. (76)	MP-II	Shirsath Gaurav Vasantrao (82)		

### NOV-2016 EXAMINATION

SE		TE		BE	
Sub.	Name	Sub.	Name	Sub.	Name
MP-I	Wagh Akash Subhash (73)	DME	Waghmare Samadhan (86)	RAC	Pansare Shubham B. (77)
THD	Deore Siddharth Popat (92)	HT	Kolpe Kishor N. (90)	CAD/CAM	Desai Pritam S. (88)
MS	Kadlag Akshay Shivaji (78)	TOM-II	Kolpe Kishor N. (80)	DOM	Desai Pritam S. (82)
SOM	Jadhav Omkar Pratap (85)	MQC	Waghmare Samadhan (84)	ELE-I	Satpute Rahul S. (87)
EM-III	Navale Yogita Ramdas (96)	HPN	Patil Pavan N. (82)	TRIBO	Salave Ajinkya P. (87)
				ELE-I EAM	Salunke Amol (86)
				ELE-II OR	Nehe Roshan R. (88)
				ELE-II AMP	Shete Snehabhabha (79)

### MAY-2017 EXAMINATION

SE		TE		BE	
Sub.	Name	Sub.	Name	Sub.	Name
FM	Deshmukh Sanket Dattatraya (81)	NMO	Deshmukh Sayali Shivaji (91)	PPE	Pansare Shubham B. (75)
TOM-I	Deore Siddharth Popat (84)	NMO	Patil Pavan Narendra (91)	MSD	Tajane Chinmayi Ravindra (87)
EM	Deore Siddharth Popat (71)	DME	Patil Pooja Balkrishna (86)	IE	Satpute Tejashree Madhav (83)
ATD	Khavane Vidhyasagar Vishnu (87)	TMC	Kapadnis Tushar Pramod (91)	FEA	Nehe Roshan Ramesh (88)
EEE	Gaikwad Akshay Balasaheb (75)	MTX	Patil Pooja Balkrishna (87)	DPBC	Salunke Amol Shivaji (79)
EEE	Deshmukh Sanket Dattatraya (75)	MP-II	Kolpe Kishor Nana (86)		



## TPC ACHIEVEMENT OF CURRENT ACADEMIC YEAR 2016-17

### 2017 BATCH PLACED STUDENTS



Shardul Godage  
Amazon.in



Nikhil Kadlag  
Amazon.in



Gaurav Gangurde  
Amazon.in



Pritam Desai  
TCS Pune



Shubham Abhale  
TCS Pune



Akash Ganjoo  
PRAJ Industries, Pune



Shubham Pansare  
PRAJ Industries, Pune



Kiran Patil  
PRAJ Industries, Pune



Shubham Lavagle  
PRAJ Industries, Pune



Vinit Patil  
ICICI Prudential



Mahesh Khilari  
ICICI Prudential



Bhushan Patil  
ICICI Prudential



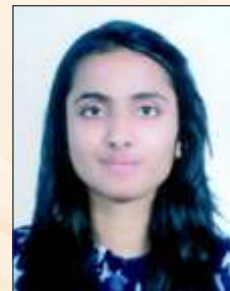
Kiran Thombare  
L-Cube Innovative  
Solutions Pvt. Ltd



Amit Navgire  
L-Cube Innovative  
Solutions Pvt. Ltd



Reshma Shaikh  
L-Cube Innovative  
Solutions Pvt. Ltd



Chinmayi Tajane  
L-Cube Innovative  
Solutions Pvt. Ltd







**Suraj Kadhane**  
Epic Research Pvt. Ltd



**Gaurav Shirsath**  
Epic Research Pvt. Ltd



**Shridhar Karandikar**  
Epic Research Pvt. Ltd



**Abhijit Kohad**  
Epic Research Pvt. Ltd



**Vrushabh Mhaske**  
Epic Research Pvt. Ltd



**Manoj Datir**  
Epic Research Pvt. Ltd



**Alok Jha**  
Epic Research Pvt. Ltd



**Priyanka Kawade**  
Epic Research Pvt. Ltd



**Deore Harshal**  
OS3 Pvt. Ltd.



**Paresh Jadhav**  
L-Cube Innovative Solutions  
Pvt. Ltd

## 2016 BATCH PLACED STUDENTS



**Dumbre Prajakta**  
Dhoot Transmission Pvt. Ltd



**Ahirrao Sampada**  
Dhoot Transmission Pvt. Ltd



**Dongare Ujjawala**  
Dhoot Transmission Pvt. Ltd



**Chitte Bhagyashree**  
Dhoot Transmission Pvt. Ltd





## 2016 BATCH PLACED STUDENTS



**Karpe Nilam**  
Dhoot Transmission  
Pvt. Ltd



**Badakh Shweta**  
Dhoot Transmission  
Pvt. Ltd



**Navale Chetan**  
Varroc Polymers Pvt. Ltd.



**Khalkar Amol**  
Surin Automotive  
Pvt. Ltd



**Kawade Kavita**  
Surin Automotive  
Pvt. Ltd



**Bodade Pankaj**  
Surin Automotive  
Pvt. Ltd



**Pawase Pankaj**  
Surin Automotive  
Pvt. Ltd



Congratulations & Felicitation of placed students by  
**Hon. Shri. Balasaheb Thorat** (President, AVS & SVS ) and  
**Shri. A. B. Shinde**, (Chief Executive, AVS & SVS)







**Student of the Year 2016-17  
Mr. Shridhar Karandikar**

**Income Expenditure Sheet of MESA for Academic year 2016-17**

Income			Expenditure		
Description	Amount		Description	Amount	
Balance Carried from previous year	17,255/-		Departmental Magazine of the year 2015-16	2000/-	
MESA fund collection of Year 2016-17	79,200/-		Stationary & Flex	7250/-	
Interest on deposited amount	1456/-		Service Charges of Bank	25/-	
			Farewell Function	56,007/-	
Total Income	97,911/-		Total Expenditure	65,282/-	
Grand Total	97,911/-		Balance	32,629/-	
			Grand Total	97,911/-	
Opening Balance	Fund Deposited After 1 April 2016	Interest on Capital Amount	Total Balance	Expend Done in Academic Year 16-17	Closing Balance of 2016-17
17,255/-	79,200/-	1456/-	97911/-	65,282/-	32,629/-

**Prof. G.S. Pendbhaje**  
MESA CoCoordinator

**Prof. P. B.Wakchaure**  
MESA Coordinator

**Prof. Dr. V. D.Wakchaure**  
H.O.D



## STAFF CORNER

1. **Prof. A. K. Mishra** took the charge as In-charge Principal for the period of 01 June 2016 to 07 Dec 2016.
2. **Prof. K. P. Morankar** took the charge as In-charge HOD of department of mechanical Engineering for the period of 01 June 2016 to 11 Dec 2016.
3. **Prof. Dr. M. A. Venkatesh** took the charge as a Principal of the institute on 07 Dec 2016.
4. **Prof. Dr. V.D. Wakchaure** took a charge of HOD, Deptt. of Mechanical Engineering on 12 Dec 2016.
5. All newly joined staff members attended an internal faculty development programme organized by Mechanical Engg. Department, AVCOE, Sangamner.
6. **Dr. V. S. Gadakh** received a grant of Rs 3,00,000/- under QIP scheme of SPPU, Pune to organize international workshop on for the academic year 2016-17.
7. The following BCUD proposals from the Department of Mechanical Engg. received the BCUD grant from SPPU, Pune

Sr.No.	Name of Staff Members	Proposal No.	Title of the Project	Amount (Rs)
1	Prof. D. S. Bajaj & Prof. P. N. Nagare	15ENG000800	Performance Evaluation of Tribological Properties of Vegetable Oil for I. C. Engines	2,30,000/-
2	Prof. A. K. Mishra, Prof. G. S. Pendbhaje & Prof. V. S. Aher	15ENG002323	Effect of Elliptical Shape Surface Texturing on Tribological Properties of Polyamide (PA) 66 Composites	2,30,000/-

8. **Prof. A. K. Mishra** received the "Outstanding Engineer Award" for the year 2016. The award is given by The Institution of Engineers (India) Ahmednagar local Centre.
9. The following staff members from Department of Mechanical Engineering worked as judge in different events of National level Tech-fest "Connoisseur 2K16". The event was arranged by Department of Information Technology on 8th & 9th September 2016 at Amrutvahini College of Engineering, Sangamner

Sr.No.	Name of Staff Member	Event
1	Prof. G. S. Pendbhaje	Paper Presentation
2	Prof. S. T. Gadakh	Paper Presentation
3	Prof. K. K. Dighe	Paper Presentation
4	Prof. S. D. Galande	Paper Presentation
5	Prof. M. B. Shirke	Auto-Cad







10. **Prof. V. S. Aher** from Department of Mechanical Engineering attended a UGC interview as Subject Expert in the month of September 2016 at Mahavir College of Engineering, Nasik.
11. **Prof. D. S. Bajaj** and Prof. V. S. Aher worked as a session incharge in MECHPGCON 2016 held during 22nd - 23rd June 2016 at D.Y.Patil institute of Technology, Pimpri, Pune.



12. As a part of social work, many students and faculties from the department of mechanical engineering donated the blood on the occasion of birth day of trustee of AVS&SVS Hon. Shri. Balasahebji Thorat on 7th Feb 2017.
13. **Prof.D.S.Bajaj** attended a Pre-Audit meeting of Students Welfare Activities at SP College, Pune on 9th March 2017.





14. **Prof. D. S. Bajaj** and **Prof. K. S. Phad** attended and successfully completed Students Welfare Audit at Ahmednagar College, Ahmednagar on 22nd March 2017.
15. All the faculties of mechanical engineering department have attended one day workshop on "Development of Work system and Answer sheets Assessment" organized by SPPU, Pune at AVCOE, Sangamner on 30th March 2017.
16. **Dr. V. S. Gadakh** worked as a reviewer & session in-charge for 2nd mechanical engineering post graduate students conference (MECHPGCON-2016) for Design Group on 22nd June, 2016 at Dr. D. Y. Patil Institute of Engineering & Technology, Pimpri, Pune.
17. **Dr. V. S. Gadakh** called as an expert for the local staff selection of SPPU, Pune at SRES College of Engineering, Kopargaon on 27th August 2016.
18. **Dr. V. S. Gadakh** worked as a session chair for Int. Conf. on Advanced Technologies for Societal Application, 20-21 Dec. 2016, at SVERI College of Engineering, Pandharpur
19. **Dr. V. S. Gadakh**, attended pre-conference workshop on "Transforming Technologies into Commercial Products?", on 19 Dec. 2016, at SVERI College of Engineering, Pandharpur
20. **Dr. V. S. Gadakh** was invited for talk on "how to write research paper", on 22 Aug. 2016 at SVERI College of Engineering, Pandharpur.
21. **Dr. V. S. Gadakh**, attended short term QIP course on "Electron Microscopy and Microanalysis of Materials (EMMM-2016)" held at IIT Kanpur from August 1st - 5th, 2016.
22. **Dr. V. S. Gadakh** worked as a reviewer for "International Conference on Automatic Control and Dynamic Optimization Techniques - ICACDOT 2016", September 9-10, 2016, at International Institute of Information Technology (I<sup>2</sup>IT), Hinjawadi, Pune
23. **Dr. V. S. Gadakh**, invited for talk on NAAC report preparation at MIT, Aurangabad on 24 Jan 2017.

### LIST OF FACULTY PUBLICATIONS / PRESENTATION IN REFERRED JOURNALS / CONFERENCES

1. **Prof. P.N.Nagare, Dr. G.J.Vikhe Patil** "A Comparative Study on Numerical Solution of Reynolds Equation of Journal Bearing", IEEE International Conference on Automatic Control and Dynamic Optimization Technique-2016 held by IEEE Pune section at International Institute of Information Technology (I<sup>2</sup>IT) Pune on 9th & 10th Sept 2016.
2. **Prof. G.S. Pendbhaje**, published a book on "Effect of Surface Texturing on Tribo Properties of PA66 Composites", in LAP LAMBERT Academic publishing, Germany in the month of Nov 2016. The book ISBN No. is 978-3-659-95712-3.
3. **Dr. V. D. Wakchaure** participated and published a paper on "Structural Equation Modelling of a Conjoint Implementation of JIT, TQM, TPM, SCM, and ERP" in the 6th International and 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016) held on 16th to 18th Dec. 2016.





4. **Prof. G.S.Pendbhaje** published a paper on "The Effect of Dimple Density on Tribological Performance of Polyamide (PA66) Composites" in the IUP Journal of Mechanical Engineering Vol. IX No. 4 Dec-2016.
5. **Prof. R.G. Dhamak** published a paper on "Design analysis and Development of Effortless Bicycle" in ICRTME-2016 held on 29th -30th Dec. 2016.
6. **Prof. R.U.Kadlag** along with his UG students project team participated in a state level conference on Recent Trends in Science and Technology (RTST-17) sponsored by QIP SPPU, Pune at SGOICOE, Belhe and presented a paper on Onion Harvester on 5th Jan 2017.
7. **V. S. Gadakh, A. Kumar**, FSW tool design using TRIZ and parameter optimization using Grey Relational Analysis. In: proceedings of Int. Conf. on Emerging Trends in Materials and Manufacturing Engineering (IMME17), 10-12 Mar. 2017 at NIT, Trichy.
8. **V. S. Gadakh, A. Kumar**, Modelling and Microstructure of Friction Stir Welds of AA2014 Alloy: Different Tool Pin profiles. In: proceedings of Int. Conf. on Emerging Trends in Materials and Manufacturing Engineering (IMME17), 10-12 Mar. 2017 at NIT, Trichy.
9. **K.N. Wakchaure, A.G. Thakur, V.S. Gadakh, A. Kumar**, Multi-Objective Optimization of Friction Stir Welding of Aluminium Alloy 6082-T6 Using hybrid Taguchi-Grey Relation Analysis- ANN Method. In: proceedings of Int. Conf. on Emerging Trends in Materials and Manufacturing Engineering (IMME17), 10-12 Mar. 2017 at NIT, Trichy.
10. **O. U. Raktate, D.P. Dolas and V. S. Gadakh**, Experimental Investigation of FSW process parameters by using RSM on 6082-T6 Aluminium Alloy, In: proceedings of Int. Conf. on Materials, Manufacturing and Design, 2016, at Dr. BATU, Lonere, Raigad, Dec. 20-21, 2016
11. **Dhamak R.G., Nagare P.N.** Design & Analysis and Development of Effortless Bicycle at International Conference on " Research Trends in Mechanical Engineering for Sustainable Growth MET Bhujbal Knowledge City Nashik 29-30 Dec.2016.
12. **Dhamak R.G. Nagare P.N.** "Review of Design and Development in Bicycle" 2nd Post graduate conference of Mechanical Engineering , SPPU Pune 22-23 June 2016.
13. **Satpute B.F. Harne M.S.** " Design , Development and analysis of sheet metal compound die" 2nd post graduate conference of Mechanical Engineering, Dr. D.Y.Patil Institute of Engineering & Technology , Pimpri, Pune 22-23 June 2016
14. **S.N.Gawali, V.S.Aher, D.S.Bajaj** Paper Presentation "Condition monitoring technique to investigate gear fault with artificially induced gear crack using vibration analysis " 2nd post graduate conference of Mechanical Engineering Dr. D.Y.Patil Institute of Engineering & Technology , Pimpri, Pune 22-23 June 2016
15. **Jondhale Dattatraya, V.S.Aher, D.S.Bajaj** "Experimental Evaluation of clutch plate material by tribological properties using tribometer", Dr. D.Y.Patil Institute of Engineering & Technology , Pimpri, Pune 22-23 June 2016
16. **Thorat S. P., V.S.Aher** "Effect of lubrication on friction and wear behavior of bronze filled PTFE 2ND Post graduate conference of Mechanical Engineering SPPU, Pune 22-23 June -2016





# PHOTOGRAPHY

## Flowers of AVCOE



Golden snaps  
taken by  
**Mr. Aniket Shenkar**  
(BE-Mech)



Paintings by  
**Mr. Devendra Katore**  
(BE-Mech)





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SE A

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SE C





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2016 -17









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**Vrushabh Mhaske** : Event Management  
**Suraj Kadhane** : Social Welfare  
**Santosh Shingote** : Sports  
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