



Marathwada Mitra Mandal's
College of Engineering
Karvenagar, Pune – 411052

Department of Mechanical Engineering

'YANTRADNYA' Newsletter ISSUE 5 August 2017

'We crank the ideas and shift the gears to accelerate lives'



It gives me immense pleasure to bring the achievements of Mechanical Department in your hand through YANTRADNYA Newsletter. This Department is continuously undergoing transformation. Realizing the importance of learning beyond class rooms, the department encourages students to indulge in co-curricular activities. Department has established student chapters in association with International and National professional bodies like SAEINDIA, ISHRAE, ASHRAE, Institution of Engineers etc. Many of the students in department participate in technical, non-technical and cultural events on regular basis such as BAJA, SUPRA, Effi-cycle, Go-Kart, Robocon. Department has 'Center of Excellence' in Automation and Robotics. Our strong Industry Liaisoning and MOUs with various Industries and Organizations help to enhance teaching, learning and research in the Department.

At last, I thank to the editorial team of 'YANTRADNYA' for their sincere efforts and I offer my best wishes to the readers of this newsletter.

Dr. K. R. Patil
HOD, Mechanical Engineering

VISION:

EXCELLENCE IN MECHANICAL ENGINEERING FOR GLOBAL COMPETENCY AND SOCIAL WELFARE.

MISSION:

- TO DEVELOP PROFESSIONAL SKILLS THROUGH STUDENT CENTRIC ACTIVITIES AND THE INDUSTRY INTERACTIONS
- TO PREPARE STUDENTS FOR HIGHER EDUCATION, RESEARCH AND INNOVATION
- TO MAKE GLOBALLY COMPETENT AND SOCIALLY COMMITTED MECHANICAL ENGINEERS WITH MORALS AND ETHICAL VALUES

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Credits: - Ms. Shweta R. Deshmukh

Departmental Achievements

- Team ABHEDYA secured **15th Rank** all over INDIA at ENDURO STUDENT INDIA 2017 Competition held at Coimbatore, Tamilnadu between 5 to 9 January 2017.



- Team ABHEDYA secured **14th rank** all over India at BAJA SAE INDIA held at Pithampur, Madhya Pradesh Between 15 to 21 February, 2017.



- Go-Kart Team 'Tachyon' participated in Driver Training ISK 2017, held at Bangalore on 19 January 2017.



✚ Go-Kart Team ‘Tachyon’ received Special Category award for best acceleration timing in Zeal Drag 1.0, held at Pune on 31 March to 2 April 2017, and secured **6th Position** all over India.



✚ Our team Rudra gave excellent performance in National Robotics Competition. Robocon-2017, was organized at Shree Shiv Chatrapati Sports Complex, Balewadi, Pune on 2 to 4 March 2017. Theme for Robocon -2017 was ‘Asobi: The landing Discs’.



Departmental Activities

In order to learn something apart from the theoretical knowledge and to express the generic technical skills, department had organized various technical events for students. The highlighted technical events in this semester were



ISHRAE ACTIVITIES

- ✚ Techno CHILL 2017 is a flagship event of ISHRAE pune chapter for students members. Various events such as research paper presentation, quiz competition and project idea competition are organized. The event was organized on 17 January 2017 at Marathwada Mitra Mandal's College of Engineering (MMCOE), Karvenagar, Pune.



e-Yantra

✚ Two Projects entitled Smart Waste Carrier and Traffic Clearance for Ambulance demonstrated at Regional Finals of e-Yantra Ideas Competitions (eYIC-2017) held at Vishwakarma Institute of Technology, Pune on 1 April 2017 organized by IIT-Bombay.



IE(I)-INSTITUTION OF ENGINEERS(INDIA)

Institution of Engineers student's chapter established in Mechanical Department on the occasion of World Water Day on 22 March 2017.



ADD -ON COURSES CONDUCTED

To meet the requirement of industry along with academic courses, Mechanical Engg. Dept. had conducted the value added courses as

Year	Participating Institute/ Industry	Name of Course
2016-17	Autodesk Inventor	FUSION 360
2016-17	Vidyalankar Academy	Virtual class for GATE
2016-17	Design Tech Systems Ltd.	Training on CATIA
2016-17	Design Tech Systems Ltd.	Training on ANSYS
2016-17	Onward Technology Ltd.	Application of tool path generation of Turning, milling, multiaxis and Turn mill.



MESA ACTIVITIES

Mechanical Engineering Students Association (MESA) carried out various activities throughout the semester to make the academic energetic and enthusiastic. The highlighted Activities conducted by MESA were

-  Organized 'Quiz on 2K17' competition for TE students on 24 January, 2017.
-  Organized 'Aakruti 2K17 CATIA Competition' competition for SE, TE, BE students on 10 and 12 January, 2017.
-  PUC check up camp on 27 and 28 March, 2017



Faculty Achievements

- ✚ Prof. V.W. Bhatkar's project 'Development of versatile refrigeration Test Rig with mini channel Condenser environment friendly alternative refrigerants using solar water heating' was funded by ASHRAE (American Society of Heating, Refrigeration and air conditioning Engineers) of amount \$4645 (approx Rs 3,11,000/-)
- ✚ Prof. Mrs. M. P. Rode received consultancy of amount Rs 20,000/- for 'Gear box design, Vidarbha Plastics, Palghar.

MOUs

Sr. No.	Date	MOU with organization
1	5/5/2017	Mechatol Engineering Solution, Kothrud, Pune.
2	13/04/2017	Ahmednagar Auto and Engineering Association Auto Cluster, Ahmednagar.

Students Achievements

Sr No	Name	Award received to student	Organization
1	Sandeep Khade	Secured 1 st prize in Project Idea competition (Rs.10000/-)	ISHRAE, Pune chapter
2	Dinesh Khairnar	Secured 3 rd prize in Paper presentation competition (Rs.2000/-)	ISHRAE, Pune chapter
3	Chaitrali Salgaonkar & Rujuta Kulkarni	Received prize of Rs.5000/- at chapter level	ISHRAE, Pune chapter
4	Sanket Barhate	Secured 3 rd prize in Quiz competition (Rs.2000/-)	ISHRAE, Pune chapter
5	Khanekar Raj	Secured 3 rd place in 100m running competition	PANACHE 2017 (MKSSS HNIR college, Pune)
6	Omkar Waghmare	Secured Gold Medal in Drill Competition	NCC IGC camp, Nagpur
7	Omkar Waghmare	Secured Silver Medal in Drill Competition	NCC All India VayuSainik Camp, Jodhpur
8	Mr.Ankit Changedia & Ms. Lingadhar Heamreddy	Received Rs 20000 /- each scholarship.	Durgadevi Charitable trust and ACR project consultant

Dexterity 2K17

Department had organised different technical competitions like Mech-mind, Roborampage and IPL Kurushkhtra in the Dexterity. The event Mech-mind was co-ordinated by Prof.P.V. Sawai ,Robo-rampage by Prof. P.Z. Lokande and IPL Kurushkhetra by Prof. P.C.Jikar. Students enthusiastically participated in these competitions and won different cash prizes in these events.



Guest Lecturers Conducted

Various eminent personalities were called by department to enhance the industry institute interaction with whole and sole purpose of sharing their valuable words of knowledge with our students.

- ✚ Mr.Apporv Bapat and Mr. Pradip Alandakar Founder and CEO of Elevation Academy,Pune shared their valuable views on topic 'Fundamentals of FEA and CAE' on 18 January 2017
- ✚ Mr.Abhishek Kesakar delivered lecture on topic 'Utilisation of software in the system design', A-square innovations and research, Warje, Pune, on 20 January 2017 for all BE students.
- ✚ Mr. Sanjeev Bedekar of Cummins India Ltd. shared his valuable views on 'CFD under EER and CII' on 10 February 2017 for all T. E. and B. E. students
- ✚ Prof. S. C. Jog, (MIT college of Engineering) interacted with all SE students on topic 'Iron Carbide Equilibrium Diagram' on 13 February 2017.
- ✚ Mr. Prasanna Bhat (General Manager in ARAI) shared his valuable views on topic 'Recent trends in Automobile' 16 March 2017 for all BE students.
- ✚ Mr.A.D.Paranjape (Rtd. TATA Power Plant Mumbai) interacted with students on topic 'Case study of TATA Power Plant' on 28 February 2017 for all BE students.

- ✚ A guest lecture on topic ‘Industrial Engineering’ by Mr. R. R. Kulkarni , Cummins India Ltd, Pune on 23 March 2017 for all B.E. students.
- ✚ A guest lecture on topic - Pump station Installation by Mr. Kishor Pande, TTL, Pune on 1 April 2017 for all T.E. students.
- ✚ A guest lecture on topic ‘MATLAB in Industry’ by Mr. Nikhil Giri,Safcom India Pvt. Ltd, Pune on 3 March 2017 for all TE Students.
- ✚ Mr. Amol Kadam, Cummins Turbo Technologies India Pvt.Ltd. delivered lecture on topic ‘Theory of Machines on 25 March 2017 for all SE students.
- ✚ A guest lecture on topic Machine Design through manufacturing by Mr. Mukund Deshmukh, Auto and Engineering Association (Auto-Cluster), Ahmednagar on 14 June 2017 for all TE students.

Industrial Visits

To relate theoretical knowledge taught in institute with practical scenario of industrial environment, department arranged visits to various plants with the objective of bridging gap between institute and industry.

B.E. Mechanical Engg. Students visited to

- Sant Tukaram Sahakari Sakhar. Karkhana, Kasarsai, Pune on 11 February 2017
- G.T.P.S. Uran on 7 February 2017 and 8 February 2017
- MAHA Tech, Pune on 7 January 2017



T.E. Mechanical Engg. Students visited to

- Vishwaj Energy Private Limited , Dhoni, Satara on 1 March 2017
- MAHA Tech , Pune on 7 January 2017
- IMTEX, ISRO, HAL Bangalore from 26 January 2017 to 31 January 2017



S.E. Mechanical Engg. Students visited to

- MAHA Tech, Pune on 7 January 2017
- MIT, ADT, Loni, Kalbhori. Pune on 6 February 2017
- S. T. Workshop, Dapodi, Pune on 6 January 2017 and 17 March 2017 ,18 March 2017
- ARAI, Kothrud, Pune on 21 January 2017

**Workshops, Seminars , Conferences Organized and Attended by
Faculties**



- ✦ Dr. K.R. Patil participated in Two days National Workshop on ‘Accreditation Process for Technical Institutions’, organized by Dr. D. Y. Patil School of Engineering, Pune held on 15 and 16 December 2016.
- ✦ Dr. V. R. Deulgaonkar presented paper on ‘Finite element analysis of chassis integrated structure of transport utility vehicles’, at 4th international conference on industrial and production engineering held at NIT, Jalandhar.
- ✦ Prof. V.W. Bhatkar Presented Paper in International Conference on Science & engg. For Sustainable development at Bangkok-Thailand during 24 May to 28 May 2017
- ✦ Prof. V.W. Bhatkar participated in Industrial Projects, Two days workshop by Galaxy services Pvt.Ltd on 3 and 4 May 2017.
- ✦ Prof. V.W. Bhatkar organized a scholarship program given by Durgadevi Charitable trust and ACR project consultant on 31 March 2017
- ✦ Prof. V.W. Bhatkar participated in Research Promotion Night organizes by ASHRAE Pune chapter on 13 January 2017.
- ✦ Prof. V.W. Bhatkar felicitated by ISHRAE pune chapter with gratitude for valuable contribution as CWC member & student chair for the society year April 2016-17
- ✦ Prof. V.W. Bhatkar participated in AICTE sponsored short term training programme on ‘Advances in Refrigeration and Sustainable Energy’ from 28 November to 2 December, at COEP, Pune

- ✦ Prof. V.W. Bhatkar attended one day workshop on ‘Building a Safe and Secure India’ at KJCOEMR, Pune on 24 September 2016 which was organised by Fire & Security Association of India.
- ✦ Prof A. V. Chavan attended e-Yantra Symposium-2017 at IIT Bombay on 7 and 8 April 2017.
- ✦ Prof. P. K. Tamkhade attended ‘FDP on Heat Transfer’, at Zeal COE & R, Pune, from 5 to 9 June 2017.
- ✦ Prof. Manjushri V. Patil, Prof. Pradip D. Bhambure attended Industrial visit cum training at Emerson Climate Technologies, Chakan on 3 June 2017.
- ✦ Prof.Ms.RenuShashtri attended ‘FDP on Switch Gear Training ‘ at L & T Pvt Ltd. ,Bhosari on 7 June 2017.
- ✦ Mr.A.R.Lakhe attended STTP on topic ‘Developing Basic Competencies in Laboratory Management’ by Govt. College of Engineering and Research,Awasari (Khurd) under the agies of TEQIP.

ENSEMBLE 2K17

ENSEMBLE 2K17, Institute level Sport and Cultural events was organized from 24 and 25 February 2017. Students and Faculties of Mechanical Engineering Department participated in different events. Cultural event had many competitions like Mismatch Competition, Traditional Days etc, which was flooded and energized by pool of students. Institute also focused on sports activities, which bring body and mind of the students in harmony. Faculties also showed great eagerness in competing sports like Cricket, Volleyball, and Carom etc.

On 25 February 2017 Hon. Mr.Rajeev Pradhan, Cognizant Technologies Pvt. Ltd.was invited as a Chief Guest for the Prize Distribution Function. This year, mechanical engineering department engraved name on prestigious **House Cup in interdepartmental competition** with guidance of HOD, Dr.K.R. Patil.



HOUSE CUP ENSEMBLE 2K17

(Achievement in Inter Departmental Competitions and Annual Gathering)

Toppers

Class	Name of Student	Percentage /CGPA	Rank
SE	SAPTARSHI SHRADHA MAHESH	9.06	1
	PAIGUDE KARAN AVINAS	9.02	2
	KUDLE PRATIK RAJENDRA	8.72	3
TE	KOKATE ADITYA KUNDALIK	79.20	1
	KULKARNI KAPIL MOHAN1	79.20	1
	KUL SHRUTI RAVINDRA	75.20	2
	BHAPKAR ADITYA SURESH	74.14	3
BE	WAKCHAURE MAYUR BALASAHEB	79.20	1
	MAHAJAN YOGESH KISHOR	77.74	2
	PATIL INDRAJIT MARUTI	76.53	3

Placements

Sr.No.	Name	Industry	Package in Lakhs/Year
1	Aditya Abhyankar	Tech Mahindra	3.25
2	Aditya Ranade	Amazon.in	2.00
3	Ankita Jadhav	Amazon.in	2.00
4	Ashutosh Limaye	Amazon.in	2.00
5	Aumkar Pradhan	Amazon.in	2.00
6	Chaitanya Deshpande	Tech Mahindra	3.25
7	Gitansh Makwana	Tech Mahindra	3.25
8	Gopal Dalal	Tech Mahindra	3.25
9	Maitrey Gogate	Tech Mahindra	3.25
10	Mandar Deo	Amazon.in	2.00
11	Mitali Mane	Amazon.in	2.00
12	Omkar Dixit	Tech Mahindra	3.25
13	Palash Bhangare	Amazon.in	2.00
14	Pranav Nalawade	Tech Mahindra	3.25
15	Sahil Kulkarni	Amazon.in	2.0
16	Sanket Barhate	Tech Mahindra	3.25
17	Shardul Chavan	Amazon.in	2.00
18	Shaunak Khole	Amazon.in	2.00
19	Akshay Todkar	Thyssenkrupp	2.5
20	Varun Joshi	Thyssenkrupp	2.5
21	Sanket Barhate	Thyssenkrupp	2.5
22	Mohanish Waghela	Thyssenkrupp	2.5
23	Chaitrali Salgaonkar	Kirloskar Enriching Lives	2.5

Dreams

is not what you see
in sleep

is the thing which
doesn't let you sleep

- A. P. J. Abdul Kalam



THANK YOU

