



Marathwada Mitra Mandal's
College of Engineering, Pune-52
 Department of Mechanical Engineering

"YANTRADNYA" NEWSLETTER ISSUE 2 | APRIL 2016

From HOD'S Desk:-

Greetings to faculties and students!

It gives me an immense pleasure to release semester-I newsletter of Mechanical Engineering Department for A.Y. 2015-16.



Prof. S. N. Satpute

As semester start, the department had settled the Vision and mission of Mechanical Engg. Dept. And to accomplish that every faculties and students are striving of.

During semester-I, various curricular and co-curricular Activities were conducted successfully by the department like organizing technical events at every month, workshops, ISHRAE chapter, paper publication & presentation by faculty members and students in National / International journals.

To attain the programme objectives and creativity to excel in the engineering profession, the department had arranged periodic seminars, industrial visits and industrial training as integral parts of the course.

This newsletter highlights many latest achievements that have brought laurels to the department both by students and staff.

Prof. S. N. Satpute
 Vice Principal & HOD Mech Engg. Dept.

In this issue:-

- Message from Principal
- From HOD'S Desk
- Departmental Activities
- Faculty Achievements
- Students Achievements

Credits: - Prof. P. V. Sawai

VISION MISSION OF MECHANICAL ENGINEERING DEPARTMENT

VISION:-

TO PRODUCE GLOBALLY COMPETENT MECHANICAL ENGINEERS THROUGH EXCELLENCE IN TEACHING, RESEARCH AND INNOVATION.

MISSION:

MOTIVATE STUDENTS FOR HIGHER STUDIES, RESEARCH, INNOVATION AND LIFE LONG LEARNING.
 EQUIP THEM WITH MODERN TOOLS IN MECHANICAL ENGINEERING.
 CREATE ENTREPRENEURSHIP SKILLS.
 HARNESS TECHNICAL ABILITIES TO ADVANCE WELL BEING OF THE SOCIETY IN VARIOUS FIELDS.

DEPARTMENTAL ACHIEVEMENTS:-

- *Mechanical Engineering Department participated in e-Yantra project initiated by IIT-Bombay & sponsored by National Mission for education through ICT (NMEICT) of the Ministry of Human Resources development (MHRD), Government of India. Hence we are setting e-Yantra, robotics & embedded system lab in our college to promote robot enhancement among the students and center of excellence.*



- *Team Abhedya (BAJA Team) has qualified in International Level Virtual BAJA Competition held at Chitkara University, Chandigarh, Punjab at 10th & 11th July 2015. This event is co-ordinated by Dr. K. R. Patil as a senior faculty adviser and prof. A.D. Desale as a Additional Faculty Advisor.*



- *Team Tachyon (Go-Cart Team) has qualified driving test and preliminary technical test in Go-Cart Competition organized by International Series of Karting held at Bangalore. This event is co-ordinated by Prof. J. Diwakar, Prof. R. P. Tadakhe and Prof. P. V. Sawai.*

- *MOU Signed with Maharashtra State Transport Corporation (M.S.R.T.C) Workshop Dapodi, Pune, S.T. Workshop Dapodi. This MOU is co-ordinated by Dr. V .R. Devulgaonkar.*

DEPARTMENTAL ACTIVITIES:-

In order to learn something more 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:-

- ❖ Mechanical Engg. Dept. had organized an event named "IDEA-3D" on 25th July 2015. This event was designed to give a unique platform to introduce the students to the Mechanical design industry in a positive and challenging manner.

The event was coordinated by the faculty in-charge Asst Prof. Sawai. P. V. (Mechanical Engg, Dept) and student coordinators Mr. Sanket Barhate & Mr. Dhairyashil Bhutkar



Department had organized technical event "Auto-Prashn Manjusha" (Auto Quiz Competition) on Saturday, 26th Sep, 2015 at MMCOE, Pune. Auto-Prashn Manjusha event was based on automobile questions and latest development in automobile sector. There was very huge response of students for this event. The event was coordinated by the faculty in-charge Asst Prof. Sawai. P. V. (Mechanical Engg, Dept) and student coordinators Mis. Rujuta Kulkarni & Mr. Dhairyashil Bhutkar



- ❖ Department of Mechanical Engineering installed the **ISHRAE (Indian Society of Heating Refrigerating Air Conditioning Engineers)** Chapter on 31st August 2015. Prof. V. W. Bhatkar had handled and co-ordinated all the activities required to install the **ISHRAE CHAPTER**.



Add -On Courses Conducted:

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

- **Course on GD &T** for TE & BE students by industrial expert Mr. Anand Bhise from MechaTol Engineering Solutions, Pune 09/06/2015 to 26/06/2015.
- **Training on CATIA** software by EDS Technologies, Pune arranged at Mechanical Dept., MMCOE from 12/7/2015 to 12/09/2015.
- **Training for AUTODESK Fusion 360** software for 3D Student Design Challenge 2015 competition organized by AUTODESK for SE, TE and B.E Mechanical students from

FDP Conducted:-

- ❖ Department of Mechanical Engineering had organized One day FDP on "**Delcam Power Plant simulation, Hydraulics, Pneumatics & Mechatronics, CIM & FMS**" on 30th Sept. 2015 sponsored by India Soft Technology Pvt. Ltd. Pune. This programme is co-ordinated by Prof. R. S. Yadav.



- ❖ Department of Mechanical Engineering had organized one day Value Added Programme on "Automation Studio Software" on 25th Sept. 2015. This programme was co-ordinated by Prof. S. N. Belsare.

MESA ACTIVITIES:-

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

- Celebration of Guru Purnima on 31 July 2015
- Celebration of Teachers Day on 5 Sept. 2015
- Organizes PUC camp for awareness towards environment on 5 Sept. 2015
- Celebration of Engineers Day on 15 Sept. 2015

GUEST LECTURERS CONDUCTED

Department had called various eminent personalities to enhance the industry academic relations and to share their valuable words of knowledge with our students.

- Guest lecture by Mr. Vishwesh Phansalakar, Mr. Nitin Bombale and Mr. Nihit Shrivastawa from Autodesk, Pune and delivered lecture on, " 3D- Design Challenge" for S.E. and T.E students on 24th Jun 2015.
- Guest lecture by Mr. Rahul Naidu, Mr. Sandip Altage and Mr. P. Subhash from CEO Dysmech Consultancy Services Pvt. Ltd., Pune and delivered lecture on, " Skill development under PTC academic grant scheme " for S.E. and T.E students on 30th Jun 2015
- Guest lecture by Mr. Prashant Deshapande Design Tech, Pune and delivered lecture on, " Lect. on Engg. Through CAD (CATIA and NX) " for S.E students on 26th June 2015.
- Guest lecture by Kailash Belekar, Exoskeleton Robotics technology, Pune and delivered lecture on, " Robotics awareness" for S.E students on 7th July 2015
- Guest lecture by Kiran Lalsangi, Director, 11 Dot CadTech, Pune and delivered lecture on, "Engineering drawing" for S.E students on 10th July 2015.
- Guest lecture by Mr. Kushagra and Mr. Himenshu from Dimensionless Technology , Pune and delivered lecture on, " 3D-Printing" for T.E. and B.E students on 30th July 2015
- Guest lecture by Mr. Shrikant Bidwai from CAD/CAM Guru , Pune and delivered lecture on, " FEM based simulation" for T.E. and B.E students on 28th Aug 2015.
- Guest lecture by Mrs. Suchita Balkawade and delivered lecture on, " Soft skills " for S.E students.

- Guest lecture by Prof. Amol Patil from D.Y. Patil College of engineering, Lohgaon , Pune and delivered lecture on, " Reliability Engg. " for B.E students on 30th Sep 2015.

INDUSTRIAL VISITS:-

To have a better practical approach and get industry touch to academic department had organised various industrial visits.

B.E. Mechanical (A & B Division) Students Visited

- Shivraj Cold Storage, Khedshivapur, Pune on 24th and 25th July 2015
- Kushako Industries, Pune

T.E. Mechanical (A, B & C Division) students visited

- Accurate sales and services on 19th September 2015.
- Aqualite Industries on 27th September 2015.
- Volkswagen training Centre at MM Polytechnic on 11th, 14th, 16th July 2015

S.E. Mechanical (A, B & C Division) Students Visited

- Volkswagen training Centre at MM Polytechnic on 11th, 14th, 16th July 2015.
- Samaram Engineering Services, Nandedgaon, Pune on 2nd April 2015
- Katraj Dairy, Pune on 23rd, 24th and 25th July 2015.
- Rajesh Engineering Works, Bhosari on 15th, 16th and 17th September 2015.

FACULTY ACHIEVEMENTS

The faculties completed Post Graduation in this semester are :-

- Prof. Santosh S. Raut
- Prof. R.N. Khachane
- Prof. A. V. Chavan
- Prof. P. Z. Lokhande
- Prof. D.K. Chavan

PAPERS PRESENTED / PUBLISHED BY FACULTY

- Prof. A. D. Desale published a paper "Detention of fault in gear system using vibration analysis method" in International Journal of Engineering & applied science on May 2015
- Prof V.W. Bhatkar published a paper "Performance Improvement of Refrigeration System with environmental friendly refrigerants" in IJAER in July 2015
- Prof A. V. Chavan published a paper "Design of Mobile Robotic Platform for use in constraint environment" at IJERT on 20th June 2015
- Prof A. V. Chavan & Prof. S. S. Raut presented paper "Development of customized software for designing get in gating system of compressor Rotor Dies" at IJERT in May 2015
- Prof.R.S.Yadav has presented paper "Finite element analysis of curved plate" in National Conference at G.I.T, Lavel, Ratnagiri

WORKSHOP, SEMINARS AND CONFERENCES ATTENDED BY FACULTIES

- ❖ Dr. K. R. Patil and Mr. Amit Desale attended one day Faculty Development Programme held at Devgiri College of Engineering, Aurangabad on 27th July 2015
- ❖ Prof. Miss. P.P.Kachare has attended Faculty Development Program on "Master Cam X9 Multi-Axis and Turn Mill" held at Dnyanganga College of Engineering and Research, Narhe on 29th to 31st July 2015
- ❖ Prof. A.D.Desale has attended workshop on "Research Methodology" organized by the North Maharashtra University as a part of their Ph.D.Course Work Paper1 during 08-13 June, 2015
- ❖ Prof. Jitendra Diwakar participated Faculty development program "Teaching Methodology for Engineering Graphics" at Sinhgad Institute of Technology & Science, Narhe Pune
- ❖ Dr.K.R.Patil and Prof. H.C.Pisal has Participated in one Day Seminar on "Energy Conservation & Auditing" on Tuesday 11th Aug 2015 at MIT, Kothrud Pune
- ❖ Prof.A.V.Chavan participated in 2-Days workshop on 'Introduction to Robotic' at VIT, Pune held on 2nd and 3rd Sept. 2015
- ❖ Dr.V.R.Deulgaonkar and Prof.V.W.Bhatkar attended CII West Tech Summit on 4th September 2015
- ❖ Prof.S.N.Belsare has attended Faculty Development Program Jointly Organized by KPCL and CII Pune. on 10th and 11th December 2015
- ❖ Prof.R.S.Yadav has attended "One Day workshop on Syllabus Implementation for Mechanical System Design" at DYPCOE, Pimpri on Monday 21st December 2015
- ❖ Prof.P.V.Sawai has Participated in National Level Workshop on "Ansys Mechanical Linear and Non Linear Dynamics" on 7th and 8th January 2016

STUDENTS ACHIEVEMENTS

- ❖ Sayed Yasser has participated in QPSC held on December 29th to 30th May 2015 organized by Fergusson College, Pune.
- ❖ B. E. Project of Jayraj Ligade, Parikshit Maggirwar, Attar Shafin and Rohit Gaikwad of final year students is shortlisted for final round of KPIT SPARKLE 2015.
- ❖ More Mayur stood 1st Rank in Instrumental Competition (BANDISH) in Tabla Playing at MMCOE, Karvenagar.
- ❖ Venisha Dive Participated in 'Kala Katta' organized by Kala Mandal of MMCOE, Karvenagar.
- ❖ Kunal Kumthekar participated in 'Best Smile Event' organized by 'Mr & Mrs MMCOE, Karvenagar.'
- ❖ More Mayur Madhukar has won first prize in Bandish / Instrument organised by MMCOE in June 2015.
- ❖ Sanman Golwalkar has elected as Vice President, Sakal Young Inspirators Network, Pune which organised by Sakal YIN, Pune Region Jan 2016.
- ❖ Sopan Jagdale Selected at University level NSS camp, Pune

OVERALL RESULTS OF SEMESTER-I A.Y.2015-16

Class	No. of students appeared	Passing Percentage All Clear
SE	222	67.11 %
TE	223	54.50 %
BE	153	75.66%

TOPPERS OF SEMESTER-I A.Y.2015-16

Rank	Class	Name of the student	Div	%
1	SE	Parkale Pratik Sanjay	A	78.27
2	SE	Gujrathi Aniket Milind	C	76.67
3	SE	Devgunde Rahul Laxman	A	75.73
1	TE	Patil Indrajit Maruti	C	78.53
2	TE	Satish Thangraj	B	76.67
3	TE	Mahajan Yogesh Kishor	C	75.47
1	BE	Gujrathi Sagar Nandkishor	A	75.34
2	BE	Jangnure Nishigandha R.	A	75.07
3	BE	Gugale Rohan Ravindra	A	74.67

Engineering is the art
of directing the great
sources of power in
nature for the use and
convenience of man.
— Thomas Tredgold

