

MAEER's



Maharashtra Academy of Engineering & Education Research

**MIT College of Engineering, Pune**

**Department of Mechanical Engineering**

www.mitcoe.com

Phone: 020 – 30273400

Email: mitcoe@mitpune.com

# Yantra Varta

यंत्र वार्ता

## Our Inspiration



**Hon'ble Prof. Dr. V. D. Karad**

Founder, Executive President and  
Managing Trustee MAEER'S MIT  
Group of Institute Pune, India



**Prof. Mangesh Karad**

Executive Director  
MITCOE, Pune

**Bulletin : 2011 – 12**

### **Vision**

To be one of the leading departments disseminating globally acceptable, effective education & industrial training with relevant research output.

### **Mission**

To create dexterous mechanical engineering professionals to meet global technological challenge through research and innovation for the benefit of society.



## **Editorial Committee**

Prof. Dr. B. S. Kothavale

Prof. D. R. Lohar

## Student Achievements

### Megha Kakade

Tesla-Concept O Mania,3rd Price

### Vashnavee Kamble

Tesla-Concept O Mania,3<sup>rd</sup>Price

### Saurabh Desle

Tesla-Concept O Mania,2<sup>nd</sup> Price Tesla  
CADathalon,Participation

### Pushkar Fulpagare

Tesla-Concept O Mania,2<sup>nd</sup> Price

### Pratik Karade

Tesla-Article writing competition,2<sup>nd</sup> price

### Pratiksha Bhopale

Participation in Tattoo making of Art Beat

### Piyush Gulve

Tesla-Anroid applicationdevelopment,Training  
program

### Pratik Karade

Tesla-Workshop on two wheeler

### Pathak Rajan

Innovation 2012 Cummins- 2<sup>nd</sup>price in Automobiles

### Preeti Narayanan

Throwball girls winner Football girls winner

### Pratiksha Bhopale

Throwball girls winner Football girls winner

### Priyanka Gaiwad

Throwball girls winner

## Toppers of Year 2010-11

Class	Name of Student	Rank
B.E.	Akshay Kumbhar	I
T.E.	Ajit Patil	I
S.E.	Romil Vaishnavi	I

## Faculty Achievements

Prof. V. V. Kulkarni worked as resource person for faculty development program on 'CATIA' conducted by G. H. Raisoni College of Engineering & Management, Pune, during 17-18<sup>th</sup> Nov 2011.

Prof. A. V. Joshi participated in one week STTP on 'Industrial Fluid Power' organized by ISTE in association with College of Engineering Pune, during 19-23<sup>rd</sup> Dec 2011.

Prof. S. V. Dingare participated in two-days ISTE Workshop on 'Writing Effective Conference Papers' conducted by Indian Institute of Technology Bombay, during 18-19<sup>th</sup> Feb 2012.

Prof. S. V. Dingare participated in two-week ISTE Workshop on 'Heat Transfer' conducted by Indian Institute of Technology Bombay, during 29-10<sup>th</sup> Dec 2011.

Prof. G. J. Narwade participated in 'National Workshop on Nanoscience and Nanotechnology (NWNST) 2012' held at MITCOE, pune, on 06-07<sup>th</sup> Jan 2012.

Dr. S. B. Barve has participated in '1<sup>st</sup> World Summit on Accreditation (WOSA-2012)' organized by National Board of Accreditation (NBA), New Delhi, during 25-28<sup>th</sup> March 2012.

Department organized the two-days workshop on, "Computer Aided Engineering by Using ANSYS & CFD" on 28-29<sup>th</sup> Feb 2012.

Prof. V. V. Kulkarni has attended one-day Faculty Development Program on 'Robotics' organized by Maharashtra Institute of Technology, Pune, on 10<sup>th</sup> March 2012.

Prof. G. J. Narwade has participated in 'Wriring Research Paper' organized by MIT School of Business, pune, on 24<sup>th</sup> Sept 2011.

Prof. V. V. Kulkarni has participated in one-day Workshop on 'Syllabus Implementation of Robotics (2008 Course)' at P.V.G `s COET on 10<sup>th</sup> Jan 2012.

Prof. S. P. Wadkar participated in two-week ISTE Workshop on 'Thermodynamics in Mechanical Engineering' conducted by Indian Institute of Technology Bombay, during 14-24<sup>th</sup> June 2011.

Prof. S. V. Dingare presented paper in 'INNOVATION – 2012' organized by BCUD, Pune at P. D. V. V. P. College of Engineering, Ahmednagar on 21<sup>st</sup>-22<sup>nd</sup> March 2012.

Prof. S. H. Barhatte has attended national level workshop on 'Recent Trends in Heat Exchangers' conducted by VIIT, Pune, during 27-29<sup>th</sup> Jan 2012.

Prof. S. D. Nimbalkar has participated in 'Mission 10X workshop' conducted at Maharashtra Institute of Technology, Pune, during 23<sup>rd</sup>-27<sup>th</sup> April 2012.

Prof. S. H. Barhatte has attended one day workshop on 'Industrial Heat Transfer Equipments' organized by Indira College of Engineering & Management, Pune, on 7<sup>th</sup> Jan 2012.

Prof. N. R. Anekar participated in 'Mission 10X workshop' conducted at Maharashtra Institute of Technology, Pune, during 23<sup>rd</sup>-27<sup>th</sup> April 2012.

Dr. S. B. Barve has participated in one-day seminar on 'Technological Universities of India and Higher & Technical Education in Maharashtra' organized by Association of the Managements of Un-aided Engineering Colleges (Maharashtra), on 6<sup>th</sup> March 2012.

Prof. M. R. Chopade, Prof. S. P. Wadkar, Prof. A. V. Joshi, Prof. D. D. Biradar & Prof. D. R. Lohar attended five-days workshop on "An Industry institute interaction on Industrial fluid power" at COEP, Pune, by Eaton Technologies Pvt. Ltd, Pune. (19<sup>th</sup> – 23<sup>rd</sup> Dec, 2011)

Dr. S. B. Barve has participated in the 'Indo-US Education Conclave-2011' organized by Dr. D. Y. Patil Vidyapeeth, Pune, during 5<sup>th</sup>-7<sup>th</sup> Dec 2011.

Prof. N. R. Anekar participated in workshop on 'High Impact Teaching Skills' organized by Mission 10X. during 23<sup>rd</sup>-24<sup>th</sup> April 2012.

Prof. A. A. Miraje & Prof. Mrs. S. S. Kulkarni attended ISTE approved 1 week workshop on "Recent trends in CAE", at RIT Sakhrale. (26<sup>th</sup> – 30<sup>th</sup> Dec, 2011)

Prof. N. R. Anekar has participated in 'Mission 10X workshop' conducted at Maharashtra Institute of Technology, Pune, during 23<sup>rd</sup>-27<sup>th</sup> April 2012.

Prof. S. B. Girase has participated in one-day workshop on 'Revision of Syllabus – Engineering Graphics (First Year Engineering)' under BCUD, Pune, organized by RMD Sinhagad Technical Institutes Campus on 20<sup>th</sup> Jan 2012.

Dr. B. S. Kothavale and Prof. N. R. Anekar has participated in three-days STTP on 'Advanced Finite Element Methods: Theory and Applications with ANSYS and MATLAB' organized by Sinhgad Institute of Technology & Science, Pune, during 15<sup>th</sup>-17<sup>th</sup> March 2012.

Prof. S. P. Wadkar attended a video conference on "Thermodynamics" by Prof. Dr. U. N. Gaitonde, IIT Bombay, from 14<sup>th</sup> to 24<sup>th</sup> July, 2011.

Prof. A. A. Miraje attended Faculty development program on "Master CAM-Turning" at Dnyanaganga COE, Pune, on 8<sup>th</sup> – 9<sup>th</sup> Aug, 2011.

Prof. A. V. Joshi worked on "Implementation of syllabus of Energy Auditing & Management (BE)" at SIT Wadgaon, Pune on 18<sup>th</sup> Aug, 11.

Prof. R. J. Yadav attended ISHMT-ASME Heat & Mass transfer conference (27<sup>th</sup> – 30<sup>th</sup> Dec, 2011)

Prof. A. A. Miraje attended Faculty development program on "Master CAM-Robot programming" at PVY COET, Pune, on 27<sup>th</sup> – 28<sup>th</sup> Aug, 11.

## Guest Lectures and Workshops

Department of Mechanical Engineering of MIT College of Engineering Pune, organized a two day workshop on "Vibration Diagnostics and Condition Monitoring of Machine Elements" on 7<sup>th</sup> – 8<sup>th</sup> Oct, 2011.

Last few decades have witnessed the rapid technological advancements and as a consequence the machine components are required to be operated under more stringent and precise operating conditions. This makes it necessary to analyze them from the point of view of its real life working conditions and also monitor its performance to avoid the failure. The participants got the guidance from the experts and also the hands on experience on the various equipment.





Computer Aided Engineering, Finite Element Analysis, Computational Fluid Dynamics have become the hot topics for the industry in recent years. The use of FEA, CFD as a design and analysis tool has grown rapidly. ANSYS is widely used in the industrial world for engineering simulation. There is need of trained manpower in these fields. Mechanical department organized a 2 day workshop on FEA and CFD for the faculty members and students to get hands on the software tool in this area.

Guest lecture on 'Personal Development skills' by Ms. Kalpana Madhayani for TE students. (25<sup>th</sup> Jan, 2012).

Haptix workshop for training Robotics Kit.



A lecture on “Energy Auditing” for B. E. Students by Mr. K. G. Purandare, Industrial Consultant, Pune. (3<sup>rd</sup> Aug, 2011)

A lecture on “PLM” by Mr. Keyur Gupte, Tata Technologies Pvt. Ltd.

A lecture on “Tool path generation using MasterCam Software” by Mr. Nitin Wakade, Onward Technologies Pvt. Ltd.

Guest lecture on “Open GL Programming” for B.E. Students by Prof. Deshmukh.

A virtual classroom training programme was organized for BE students on “CNC Programming Training” on 30<sup>th</sup> July, 2011 by Whalwitz Technologies Pvt. Ltd. Pune.



Guest lecture on “Power Plant Engineering” by Mr. Arvind Paranjape for BE Students. (3<sup>rd</sup> Feb, 2012)



**Department of Mechanical Engineering** of MIT College of Engineering Pune, organized a two days workshop on “**Computer Aided Engineering, FEA & CFD**” on 28<sup>th</sup> – 29<sup>th</sup> Feb, 2012.





Rivedere' - Alumni Meet 2012

## Training and Placement

Hearty Congratulations to all Mech students placed in 2011-12

Name of Company	Name of the Student
John Deere	Sagar Deepak Khivsara Aunja Lalitkumar Devi
Thermax Ltd	Ameya Choudhari Nitish Hirve Abhijat Mangrulkar
Tata Motors	Saurabh Dilip Jagtap
Tata Technology	Smit S Ranalkar Nupur R Subhedar
Infosys	Akshay Chandurkar
Cognizant Tehnologies Ltd.	Kaustubh Uday Suranglikar
Cummins India Ltd.	Rucha Kulkarni
Geometric Software	Pooja Shah
Mahindra & Mahindra Group	Alekh Lambat Mayuri Naphade
KPIT Cummins Infosystems Ltd	Anuja Dighe
Punj Llyod Ltd	Sundeep Gaikwad
Aker Powergas Pvt. Ltd	Hrishikesh Kulkarni Aniket Kawade
ACG Worldwide	Aniket Bhalerao
L&T Construction	Snehal Kala Atharva Pathak
General Motors India Pvt. Ltd.	Mangesh Pokale Rohit Chandak

## Industrial Visit

Department has organized following visits in different industries.

Name of Company Visited	Subject	Class
Malegaon Sugar Factory, Baramati.	ATD	SE
Energy Audit at University of Pune, Pune	ECM	BE
Warje Pumping station, Kothrud, Pune	T M/C	TE
Metrology Expo, ARAI, Pune	MQC	TE
A/C Plant at Citypride Cinema, Pune	RAC	TE
Thermal power plant, Dahanu.	PPE	BE
Volkswagen, Chakan, Pune	ICE	SE
University school of energy studies	ME	ME
BioGas power plant	ME	ME
Force Motors, Pune	MD-II	TE
Mercedes Benz, Chakan, Pune	General	SE
Sandvik Asia, Pune	General	TE