

MAEER's



Maharashtra Academy of Engineering & Education Research

MIT College of Engineering, Pune Department of Mechanical Engineering

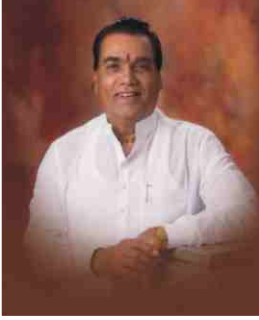
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Yantra Varta यंत्र वार्ता

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 : 2014 – 15

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. A. R. Nadgire

Student Achievements

S. N.	Name of the Student(s)	Event Name	Achievement / Award
1	Aniket Rishi	Project work at IIT Mumbai	Completed project work on Nanofluids
2	Ameya Khodegaonkar	International Conference at SKN COE, Pune	Presented paper on Vibration
3	Shardul Pawar	International Conference at SKN COE, Pune	Presented paper on Nanofluids
4		International Conference at SKN COE, Pune	Presented paper on MR fluids
5	Shardul Pawar Aniket Rishi	International Colloquium, ICMMM2014 at IIT Madras	Participated
6	Mir Asad Abbas Razvi	Preparation camp for Asian Games, ASTF, India	Participated
7	Gaurav Fase	Intercollegiate Sports, SPPU	Runner-up For Chess
8	Anurag Palkar	SAE SUPRA Student Formula-2014 18th -20th July 2014	Participated
9	Vivek Mahajan	TEXEPHYR-15 : Prezenta (19th – 21st Feb 2015)	Participated
10	Aniruddha Kulkarni Akshay Shroff	Boeing Modeling Competition (14th -15th March 2015)	2nd Prize
11	Sunny Shahane / Amit Patil SanjivaniBhosale	Innovation – 2015 (27th – 28th Feb 2015)	1st Prize
12	AnayHarkare	Seminar Presentation (Volkswagen Ltd., Pune)	Presented seminar on “Advance Automotive Technology”
13	Akshay Jadhav Aakash Chavan / Shruti Raut	MIT CREON-15	Participated
14	Ajinkya Ambike	Kavare Smruti Karandak : CRICKET	Ahsta Pailu
15	Shubham Dabhade	Journal of Advance Mechanical Engineering	Published Paper in Columbia International Publication
16	Kunal G. Ghodake Dipak J. Darawade	3rd National Conference on Innovations in Mechanical Engineering, Lonavala	Presented paper on ‘Case Study of Air Conditioning Comp-ressor in Automobile.’



Purushottam Karandak team won 3rd Prize for dram 'Malabh'

Placements 2014-15

S. N.	Name of the Company / Industry	Name of the Students Placed		
	MU Sigma Business Solutions, Pune	Kisan Jayesh Rana		
	ZS Associates India Pvt. Ltd., Pune	Tanmay C. Pawale		
	Cognizant, Pune	Amar Jamdhade Bhushan Choudhari Keshav Jadhav Shripad Saraswat Unique Rahangdale	Ameya Khodegaonkar Keshav Patil Prasanna Naik Swapnil Gaikwad Yuvraj Chavan	
	IBM, Pune	Abhishek Patil Akshay Khopade Amol Patil Aniket Arshad Shaikh Akash Upadhyay	Amol Dhuri Anchal Singh Anurag Palkar Jatin Rajpal Jaydeep Funde Kshitija Nagarkar	Mir Asad Razvi Omkar Suryawanshi Rahul Pradhan Sadanand Kulkarni Sudarshan Boob Vivek Zagade
	WIPRO, Pune	Aniket Rishi	Sourabh More	
	Accenture, Pune	AbhijeetUrunkar AbhishekWalkekar Arnab Rajkhowa MadhaviRaul MayankKumar	Ram Jajoo Rucha Bhirud Saiyam Bilala Sameer Gavali Saurabh Kedare	Sumeet Salunkhe Vishal Gite YashAgarwal
	Aker Solutions, Pune	Keshav Patil	Abhishek Patil	
	Thermax, Pune	Anish Avhad	Amol Dhuri	
	TATA Technologies (TTL), Pune	Saurabh Kedare Sadanand Kulkarni	Rahul Pradhan Vive Hinge	
	Tech Mahindra, Pune	Suraj Deshmukh		
	Inautix Technologies, Pune	Chirag Daga	Avadhoot Raktade	
	Mahindra & Mahindra (M&M) Alloted Dream Status, Pune	Kishan Rana Suraj Ubale PrasannaNaik	Apoorva Lele Abhijeet Urunkar Vishal Gite	
	Capgemini, Pune	Gaurav Mishra		
	Cummins India Ltd., Pune	Madhuri Jadhav	Kshitija Nagarkar	
	Grindwell Norton (Saint Gobain), Pune	Kunal Ghodake		
	Armacell India Pvt. Ltd., Pune	Amol Patil		
	JSW Steel Ltd., Pune	Ajinkya Sandbhor Akshaykumar Wasu Aniket Rishi Bhushan Choudhari Purushottam Harde Sachin Pardeshi	Shrirang Vidhale Sourabh More Tushar Survase Yash Jain Yuvraj Chavan	
	Electromech Material Handling Systems (India) Pvt. Ltd., Pune	Saurabh Deshpande		
	Fluor Daniel India Pvt. Ltd., Pune	Sunny Kudapane	Raj Shaikh	
	Johnson Controls India Pvt. Ltd. (JCI), Pune	Madhura Videkar	Swapnil Shewale	
	Coffee Day Beverages, Mumbai	Anurag Barde	Saurabh Desale	
	Neosym Industry Ltd., Pune	Sudarshan Boob	Umesh Mohite	

Guest Lecture and Seminars



Mr. Dinesh Pethe (TATA Autocomp – SCM, Hinjewadi, Pune), delivered guest lecture on '5S' on 19th June 2014.



Mr. Manu Abraham (Director – ICE GATE Academy), delivered guest lecture on 'How to Prepare for GATE & PSU's & Career Opportunities after GATE' 16th July 2014



Dr. K. G. Purandare (Kaustubh Energy Rationale, Pune), delivered expert lecture on 'Energy Audit & Management (Case Study)' on 21st July 2014.



Mr. Nitin Welankar (Welan Technologies, Pune), delivered guest lecture on 'Vibration and Noise Measurement' on 18th Sept 2014



Mr. Uday Chatre, delivered expert lecture on 'Drawing Reading Skill & Expectations from Industry' on 23rd January 2015



Mr. P. A. Bhat (DGM - Transmission Division, ARAI, Pune) delivered guest lecture on 'I. C. Engines' for FE Students on 27th March 2015

Industrial Visits Organized



- Industrial visit was organized for second year students for the subject Thermodynamics, at Malegaon Sugar Factory, Baramation 5th September 2014.
- Industrial visit was organized for third year students for the subject of MQC and H&P at Mehta Pressings, Bhosari, Pune, on 21st September 2014.
- Industrial visit was organized for final year students for the subject of Automobile Engineering at Wonder Cars, Chinchwad, Pune, on 25th September 2014.
- Industrial visit was organized for second year students for subject Workshop, at S. T. Workshop, Dapodi on 6th October 2014.



Mechaical Engineering Students Association (MESA) celebrated the 'Engineers Day' on 15th September 2014. MESA organized quiz & competition on the occasion of Engineers Day

- Industrial visit was organized for third year students for the subject Turbomachinery at Hydro Power Station, Bhatgar, on 21st January 2015.
- Industrial visit was organized for third year students for the subject Turbomachinery at Warje Pumping Station, Pune, on 10th February 2015.
- Industrial visit was organized for second year students for subject Applied Thermodynamics, at S. T. Workshop, Dapodi on 10th March 2015.
- Industrial visit was organized for second year students for subject Applied Thermodynamics, at PimpriChinchwad Science Park, Pune, on 10th March 2015.
- Industrial visit was organized for second year students for subject Applied Thermodynamics, at Army Workshop 512, Khadki, Pune, on 27th March 2015.
- Industrial visit was organized for final TVS Motors, Bangalore.



Parent Meet Semester – I (14th August 2014)



Parent Meet Semester – II (27th February 2015)
Parent Meet was organized by the department on 14th August 2014 (Semester-I) & 27th February 2015 (Semester-II)

Workshops, FDP, STTP and Conference Organized



Mechaical Engineering Students Association (MESA) celebrated the 'Teachers Day' on 5th September 2014.



One Week FDP on 'Basics and Applications of the CFD' was organized by the department in association with ZEUS Numerix Pvt. Ltd., Pune, from 2nd to 6th February 2015. Most of the speakers for the FDP were from IIT, Mumbai. 70 participants had attended this FDP.



Inaugural ceremony of AMET-2015 in hands of Prof. Dr. Surendra Pal (Vice-chancellor, DIAT University, Pune), Prof. Dr. Sangeeta Kale (Dean Academics –DIAT, Pune), Dr. S. K. Panigrahi (HOD-Mechanical, DIAT, Pune) along with gracious presence of Hon`ble Prof.(Dr.) V. D. Karad.



Visit to DIAT during AMET-2015.



2 Day National Conference on 'Advances in Mechanical Engineering Techniques (AMET) – 2015' was organized by the department jointly with Defence Institute of Advanced Technology (DIAT), Pune, on 12th – 13th March 2015. 160 students from different colleges and industries were participated. 80 participants presented and published their paper at conference.



One week workshop on 'MATLAB' was organized by MESA on 23rd – 27th Feb 2015. This workshop was organized by the students for the students. 38 students participated in this workshop.

Faculty Publications-Conferences

S. N.	Name of Faculty Member	Conference (International / National)	Location	Date	Title of Paper
	Prof. Dr. B. S. Kothavale	International colloquium on materials Manufacturing and Metrology, ICMMM 2014.	IIT Madras, Chennai.	8-9 August 2014	Performance analysis of automobile radiator operated with Nano fluid based coolant
		A National Conference on Advances in Mechanical Engineering Techniques (AMET-2015)	MIT-COE, Pune	12-13 March 2015	Preparation Techniques of sic Ceramic Foams Used As Solar Receiver – A Review
		A National Conference on Advances in Mechanical Engineering Techniques (AMET-2015)	MIT-COE, Pune	12-13 March 2015	Energy Management of MIRC Electronics Ltd–A Review
		A National Conference on Advances in Mechanical Engineering Techniques (AMET-2015)	MIT-COE, Pune	12-13 March 2015	A review of desiccant enhanced evaporative cooling system
	Prof. Dr. S. B. Barve	A National Conference on Advances in Mechanical Engineering Techniques (AMET-2015)	MIT-COE, Pune	12-13 March 2015	A Review on Aero elasticity Analysis
		A National Conference on Advances in Mechanical Engineering Techniques (AMET-2015)	MIT-COE, Pune	12-13 March 2015	Design and Simulation of Pneumatic Welding Fixture for Two Models for an Automotive BIW (Body in White) Line
		A National Conference on Advances in Mechanical Engineering Techniques (AMET-2015)	MIT-COE, Pune	12-13 March 2015	Savonius darrieus wind turbine-a review
		A National Conference on Advances in Mechanical Engineering Techniques (AMET-2015)	MIT-COE, Pune	12-13 March 2015	A Study of Design and Analysis of Solar-Powered Refrigeration System
		A National Conference on Advances in Mechanical Engineering Techniques (AMET-2015)	MIT-COE, Pune	12-13 March 2015	Review of Aerodynamic CFD Analysis of Spinning Projectiles
	Prof. S. V. Dingare	A National Conference on Advances in Mechanical Engineering Techniques (AMET-2015)	MIT-COE, Pune	12-13 March 2015	Review of forced convection heat transfer enhancement of plate-pin fin heat sink and its performance comparisons with a plate fin heat sink
		A National Conference on Advances in Mechanical Engineering Techniques (AMET-2015)	MIT-COE, Pune	12-13 March 2015	Study of forced convection heat transfer from horizontal rectangular fin array having triangular perforations
		A National Conference on Advances in Mechanical Engineering Techniques (AMET-2015)	MIT-COE, Pune	12-13 March 2015	A review on Diesel generator: For optimization of thermal and noise parameters
		A National Conference on Advances in Mechanical Engineering Techniques (AMET-2015)	MIT-COE, Pune	12-13 March 2015	Study of Microchannels with Fins for Effective Cooling of Electronic Equipment with Help of CFD
	Prof. R. J. Yadav	A National Conference on Advances in Mechanical Engineering Techniques (AMET-2015)	MIT-COE, Pune	12-13 March 2015	CFD Analysis of Aerofoil for Single Axis Double Rotor Utility Drone – A Review
		A National Conference on Advances in Mechanical Engineering Techniques (AMET-2015)	MIT-COE, Pune	12-13 March 2015	Investigation of heat transfer through quarter baffles insert in a tube

		International colloquium on materials Manufacturing and Metrology, ICMMM 2014.	MIT-COE, Pune	12-13 March 2015	Review Of Passive Heat Transfer Augmentation Techniques In Tubes
		Proceedings of 3rd National Conference Innovations in Mechanical Engineering		Jan 2015	Experimental and CFD analysis of heat transfer enhancement in square duct using W-shaped tabulators
		Proceedings of 3rd National Conference Innovations in Mechanical Engineering		Jan 2015	Experimental Heat transfer enhancement through quarter baffles insert in a tube
		A National Conference ICROME,2015		Feb 2015	Forced convection heat transfer over a plate through jets: A review
	Prof. S. H. Barhatte	A National Conference on Advances in Mechanical Engineering Techniques (AMET-2015)	MIT-COE, Pune	12-13 March 2015	Review of Heat Pipes with Screen Mesh as Wick Structures
		A National Conference on Advances in Mechanical Engineering Techniques (AMET-2015)	MIT-COE, Pune	12-13 March 2015	A review on Diesel generator: For optimization of thermal and noise parameters
	Prof. V. S. Kanthale	A National Conference on Advances in Mechanical Engineering Techniques (AMET-2015)	MIT-COE, Pune	12-13 March 2015	A Review of Magnetorheological Fluid Based Finishing Processes
	Prof. S. D. Limaye	A National Conference on Advances in Mechanical Engineering Techniques (AMET-2015)	MIT-COE, Pune	12-13 March 2015	Establishment of Flow Coefficient For Ball Valve
	Prof. A. D. Lokhande	A National Conference on Advances in Mechanical Engineering Techniques (AMET-2015)	MIT-COE, Pune	12-13 March 2015	Investigate the Feeder Mechanism for Plastic Pouch Printing Machine Used in Industrial Sector
	Prof. M. R. Chopade	A National Conference on Advances in Mechanical Engineering Techniques (AMET-2015)	MIT-COE, Pune	12-13 March 2015	Experimental Analysis and Investigation for Flow through Ventilated Disc Brake Rotor Using CFD
	Prof. P. R. Mahale	A National Conference on Advances in Mechanical Engineering Techniques (AMET-2015)	MIT-COE, Pune	12-13 March 2015	Test Rig of Free End Torsion Effect on Linear Strain
	Prof. S. S. Mujumdar	A National Conference on Advances in Mechanical Engineering Techniques (AMET-2015)	MIT-COE, Pune	12-13 March 2015	Analysis of solar steam generation plant for various thermal applications using evacuated tubes and thermal fluid
	Prof. S. B. Girase	A International Conference ICAET 2014	Pune	2014	Vibration Measurements From Seismometer To Miniature Accelerometer: A Study
	Prof. N. R. Anekar	A International Conference ICAET 2014	Pune	2014	Vibration Measurements From Seismometer To Miniature Accelerometer: A Study
		A National Conference on Advances in Mechanical Engineering Techniques (AMET-2015)	MIT-COE, Pune	12-13 March 2015	Vibration and Noise in Reactive Muffler: A Study
	Prof. S. D. Nimbalkar	A National Conference on Advances in Mechanical Engineering Techniques (AMET-2015)	MIT-COE, Pune	12-13 March 2015	Vibration and Noise in Reactive Muffler: A Study
	Prof. V. V. Kulkarni	A National Conference on Advances in Mechanical Engineering Techniques (AMET-2015)	MIT-COE, Pune	12-13 March 2015	Design Analysis of Pick And Place Robot With Mechanical Gripper