



## National Conference "DIME - 2015"



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On 30<sup>th</sup> July 2015 Department of Mechanical Engineering organized one day National Conference on "Development and Innovations in Mechanical Engineering ("DIME-2015") in association with Shivaji University, Kolhapur and Indian Society of Technical Education (ISTE), New Delhi. The conference was graced with the gracious presence of Dr. S. M. Sawant, Dean, Engineering, Shivaji University Kolhapur, Dr. U. A. Dabade Professor, Walchand College, Sangli, Mr. Shirish Sumant (HRM) Manugraph India Ltd. Kolhapur, presided over by Hon. Shri. G. D. Patil, Secretary SWVSM along with Dr. S. V. Anekar, Principal TKIET, Prof. N. S. Hanamapaure, Head of Mech. Engg. Prof. A. S. Todkar Convenor and Co-convenor, Prof. N. S. Dharashivkar.

More than 60 papers were presented from different fields of Mechanical Engineering by students and Faculty from Karnataka and Maharashtra who participated in the programme and shared their knowledge. The main objective of this conference was to provide a platform, for academicians, research fellows and industrial personnel, to showcase their creative ideas, and research work in the field of Engineering which in-turn, will enhance, the present technocrats, with the sound knowledge of latest findings, fast emerging technological developments, and applications in Mechanical field.

Shree Warana Vibhag Shikshan Mandal's

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## National level Paper Presentation "Eureka- 2k15"



"Eureka 2k15" a National level paper presentation competition was held on 12<sup>th</sup> September, 2015. Over 1500 students participated in paper presentation competition with their creative ideas and presentations. The event was graced with the presence of Chief Guest Hon. Mr. A. P. Kale (Vice President (Business development) Marsh Risk Consulting), presided over by Hon. Shri. G. D. Patil, Secretary SWVSM in the presence of Principal Dr. S. V. Anekar and other dignitaries. The event was coordinated by Prof. P. J. Patil as a convener together with the student conveners. The Mechanical department was the host for EUREKA 2K15 that was also awarded with the best organizing department as well as best decoration award.

## Parent Teacher Association Meet



The PTA Meet of Sem-I was organized on 22nd August 2015. Around 190 parents from various districts like Kolhapur, Sangli, Satara and Solapur came to college campus. In the respective departments they had their interaction with the faculty and students where they guided the juniors and gave suggestions related to certain measures for career development to the departments based on their practical experience. A common interaction with the faculty and all parents was held where important issues were discussed and sharing took place for the welfare of the students and institute.

## IITB Workshop on Technical Communication

The 25<sup>th</sup> STTP, in the series of IITB STTP's, on Technical Communication, through ICT in collaboration with MHRD & ISTE, New Delhi was organized from 30<sup>th</sup> Nov. to 5<sup>th</sup> Dec. 2015, for enhancing teaching skills of faculty of STEM, dept's, i.e. Science, Technology, Engineering, Mathematics and Humanities, where 49 participants participated in it. It was coordinated by Dr. Mark Monis with the help of Principal Dr. S. V. Anekar, F.E. Chief Coordinator, Prof. P. B. Patil, & remote centre coordinator Mr. N. B. Jadhav.





## Activities of the Department

### Mechanical Engineering



**Career Opportunities:** Mr.Derrick Mascaranhes, Black & Veatch

Mechanical Engineering Students' Association was inaugurated on 31st July 2015. Mr. Derrick Mascaranhes, Rotating Equipment Engineer, Black & Veatch, was the Chief Guest & delivered a guest lecture. Principal Dr. S. V. Anekar addressed the audience and N. S. Hanamapure in his welcome speech emphasized the importance of building appropriate career. Mr. Mascaranhes, through his presentation, showcased his company, Black & Veatch & career scope for Mechanical Engineers. MESA Faculty Advisor Prof. S. M. Gidaveer & Mr. Rohit Khatal coordinated the event.



**Industry Institute Interaction:** Shri Madan Kulkarni, Kalakruti Industries

One day workshop on Industry Institute Interaction was organized on 14th September 2015 for making students aware of industrial atmosphere, requirements, opportunities etc. Shri Madan Kulkarni from Kalakruti Industries, Shri Gajanan Kadukar from Altech Alloy, Kolhapur, Shri Sandip Salokhe from Sunmill Industries, Kolhapur shared their industrial experiences, focusing on different financial & technical aspects related to small scale industries (SSI). They also highlighted on expectation of industries from budding engineers. Prof. P. D. Kulkarni coordinated the event.

### Civil Engineering



**Entrepreneurship in Civil Engineering:** Dr. Pramod Bhalerao, Chairman Yureka India

Civil Engineering Student Association organized Inauguration function of CESA on 28<sup>th</sup> July 2015. The chief Guest Dr. Pramod Bhalerao, Chairman Yureka India, a leading door manufacturing Co., addressed the students regarding the scope & demand for Civil Engineers as entrepreneurs. Prof. B. V. Birajdar suggested current scenario of Civil Engineering world and role of students. All the teaching staff and students attended the function. Prof. V. J. Yadav, coordinated the event.



**Felicitation of MPSC Scholars (Civil Alumni)**

The five alumni of Civil Dept. who were selected in MPSC were felicitated at the hands of Prof. B. V. Birajdar (Head Dept. of Civil Engg.) in the presence of all Civil Engg students (SE TE BE), & Staff. Their names and posts are: 1) Nagesh Jadhav (2005) Assistant Engineer-I, PWD, 2) Amit Patharwat (2010) Assistant Engineer-I, WSSD 3) Narendra Garge (2011) Assistant Executive Engineer- I, WRD, 4) Aniket Sawant (2012) AEE I, WRD 5) Suhas Patil (2012) Assistant Engineer-I, WRD, 6) Suhas More (2004) Assistant Executive Engineer-I, WRD.



## Computer Science & Engineering



**Scope in IT Sector: Mr. Nitant Joshi HR Manager, Persistent Systems Pune**

The inauguration function of ACES was carried out on July 30, 2015. **Mr. Nitant Joshi** HR Manager, Persistent Systems Pune & **Mr. Milind Deshpande** Team Leader, Persistent Systems Pune interacted with the students. The former shared the information about the Persistent systems & the latter gave the presentation on the interaction to the IT sector, shedding light on the campus placements & interviews skills. All CSE students along with faculty attended the event.



**Opportunities in Embedded Systems: Mr. Vikrant Pagare CEO, Cubez Technologies,**

ACES organized Guest lecture on Opportunities in Embedded Systems by **Mr. Vikrant Pagare** CEO, Cubez Technologies, Mumbai on 20<sup>th</sup> August, 2015. Mr. Vikrant Pagare through his interaction with the students created awareness about scope of embedded system in IT industry and gave brief introduction of the tools and technologies used in Embedded System. It was an eye opener to the students and informative lecture.

### Industry Interaction

A guest Lecture on **Big Data & Hadoop Technologies** by **Mr. Sagar Pise** Software Developer, L & T Infotech Pune was

organized on 5<sup>th</sup> September, 2015 on the occasion of Teachers Day. The resource person explained Big Data and Hadoop Data analysing and processing infrastructure to the students and made them aware the market need of Hadoop Developers. It was successfully organized by ACES team.

## Electronics Engineering



**Embedded System: Mr. Suryakant Dodmise, Core Technology Kolhapur**

One day workshop on "Embedded System" was organized for BE Electronics students by Core Technology, Kolhapur. The resource person Suryakant Dodmise, Director, of Core Technology Kolhapur, interacted with the students and shed light on the subject where the students acquired knowledge about advanced embedded system, Embedded "C" programming and applications of embedded system.



**Scope of Electronics in Pharmaceuticals: Mr. Nitin Shinde from Dr. Reddy's**

Mr. Nitin Shinde, one of distinguished electronics alumni, working in Dr. Reddy's lab, Chennai conducted guest lecture on "Scope of Electronics in Pharmaceutical area" on 2<sup>nd</sup> March 2015 for T.E. Electronics students. It was an eye opener as it revealed wide scope even in Pharmaceutical field and the students became aware of the applications of Electronics for Pharmaceutical field.



## Chemical Engineering



**Syllabus revision workshop: Dr. S.V. Anekar , B.O.S. Chairman**

**Chemical Engg. Dept. organized a Syllabus revision workshop** on 26th August 2015 that was **sponsored by Shivaji University, Kolhapur.** It was to review a T.E. Chemical Engg., Teaching Methodology and about the B.E. final year syllabus structure & syllabus. The workshop was conducted in the presence of B.O.S. Chairman & Principal Dr. S.V. Anekar, Mr. Seshu, project head, & Deepak Diwate from Galaxy surfactants ltd, Mumbai along with Prof. Desai S. A. HOD. 20 faculty members from T.K.I.E.T, P.V.P.I.T., Budhgaon & DYP CET, Kolhapur participated. Prof. K.I. Patil & Prof. V. A. Bhosale coordinated the workshop.



**ProMax foundation course level-I: Mr. Umesh Goel,  
Director USPT & M**

Considering the importance of Petroleum industries in India and need of process simulation, the Chemical Engineering department organized 3 day's workshop on ProMax Foundation Course Level I from 9th 11th Oct. 2015. Mr. Umesh Goel Director USP Trading and Manufacturing Pvt. Ltd (USPT & M) interacted & conducted for 30 Participants from T.K.I.E.T, Warananagar. Prof. S. V. Kadoli has worked as a workshop resource person, Prof. P. J. Patil & Prof. S. U. Patil coordinated the event.

## Bio-technology



**Small scale Business: Ms. Aishwarya Deshmukh,  
Aishwarya food processing**

Biotechnology Innovators and Technocrats Society (BITS) organized a guest lecture on Small scale business startup by Mrs. Aishwarya Deshmukh, Head Aishwarya food processing unit, Kolhapur, on 10<sup>th</sup> August 2015, for the Biotech students. During the occasion the inauguration of BITS was also carried out. Speaking on the occasion, the resource person guided the students to give a deep thought to oneself and look for small scale business setups to begin with as first hand entrepreneurs.

## Information Technology



**Student's Association (FESA) Inauguration**

During the occasion of Inaugural function of IIIT Student Association, a guest lecture was organized on the subject 'Campus Placements' by Mr. Vivek Kulkarni, Ramkrishna IT Pvt. Ltd. on 01/08/2015. The students from CSE, IT and Electronics Department participated in this event and obtained lots of information on significant aspects essential for getting placed through campus drive. It was coordinated by Prof. Ms. Pallavee Bavane along with Mr. Onkar Vanarase.



## Other Major Events

### MOU with infiDOF solutions, Bangalore :

MOU was signed between infiDOF solutions, Bangalore (A consultancy services in CAD/CAM/CAE) and Mechanical department, TKIET Warananagar in December 2015. InfiDOF will be providing training to students in CAD & CAE, training and assistance to faculty in their research. infiDOF will also work for placement of the students.

1. A guest lecture Mr. Amit Vaidya on the importance of Dipex and Srujan project and competition was arranged for the students of Mech. Dept. on 13<sup>th</sup> July 2015.
2. Guest lecture on competitive exams by Mr. T. N. Khandekar (Industrial officer, DIC Wasim), alumni of 2000 batch was held on 20<sup>th</sup> August 2015 by Mech. Dept.
3. Guest lecture on Entrepreneurship development by Mr. Nilesh Kadam (Proprietor of Kadam Bajaj, Kolhapur) in Sept. 2015 Mech. Dept.
4. A paper presentation competition was held by Mech. Dept on 31<sup>st</sup> August 2015 where 21 students participated in competition. This competition gave students a stage to assess their presentation skill & obtained confidence.
5. A guest lecture on Heating, Ventilation & Air conditioning by (HVAC) by Mr. Nagesh Patil from Aerience Ltd. Pune was held on 11<sup>th</sup> September 2015.
6. A guest lecture on Career opportunities in Indian Navy by Mr. J. S. Walia and Chabrawal (officers from Indian Navy) was held on 22<sup>nd</sup> September 2015 Mech. Dept.
7. GATE coaching: Mech. Dept. facilitated the GATE coaching classes for interested students of third and final year at Imperial Academy, Pune. Total 40 plus

students underwent GATE class and got its benefits.

8. Mech. Dept. conducted two week Certificate course on ANSYS 14.5, an analysis tool to third year students. Prof. A. S. Darur and Prof. H. S. Nejkar trained about 40 students.
9. Mech. Dept. conducted Faculty development programme on "An approach to computational fluid dynamics (CFD) for engineering research". 30 faculty from nearby colleges attended it. Mr. Dharmendra Kumar (Technical mentor) and Mr. Ganesh (CFD Engineer) from infiDOF solutions, Bangalore guided and trained the participants.
10. Civil Dept. conducted a guest lecture on REVET Software by Mr. Koustubh Panase from CADD Centre, Aundh. for all TE and BE Civil students on 18<sup>th</sup> August 2015.
11. Guest Lecture on Competitive Exam and Gate Preparation, Mr. Khedkar (IIT Madras) from Vision Academy, Pune was organized by Civil Dept. on 22<sup>th</sup> August 2015. Also he gave details of minimum qualification criteria for government sector such as in MPSC and UPSE Exams.
12. Dr. Sanjay Mahajani, IIT Mumbai delivered a lecture on use of latest software in chemical Engg. on 11<sup>th</sup> Oct 2015. For all Chemical Dept. students.
13. Mr. Umesh Goel, USPTM New Delhi delivered a lecture on Promax-4, capabilities through Vedio Conference on 9<sup>th</sup> Oct 2015.
14. Guest lecture on "carrier Guidance and opportunities for chemical engineers" by Alumni Mr. Anand Kumar (1993 batch) from Tamilnadu was organized in Chem Dept. on 31<sup>st</sup> August 2015.

### Training Conducted by T& P Cell

Sr.No	Training on	Resource person	Participants (Class)
1.	Aptitude Test	Sanir Kittur	TE CSE
2.	Soft Skills	Sneha Pai	TE CSE
3.	Aptitude Test & Soft Skills	Lead College	FE & TE CSE
4.	Placement Preparation	FACE Academy Pune	BE CSE

## FACULTY ACHIEVEMENTS

1. Prof. A. S. Todkar submitted Ph.D thesis entitled "Effects of vibration on Electro-Discharge Machining" at VTU, Belgavi.
2. Mr. Prasahnt Pawar, (Heat Power Engg.) Mr. Vinay W. Atgur (Thermal Engineering), Mr. M. V. Jadhav (Design Engg.) have completed M. E. from Mechanical Engg. Department.
3. Mr. J B Sangale (Construction & Management), Mr. P. B. Kolekar (Construction & Management) Mr. V M Sanade (Construction & Management) Mr. C S Gaikwad (Construction & Management) Mr. VT Babar (Structures) and Mr. R. R .Chandanshive (Construction & Management) have completed M.E in from Civil Engg. Department.
4. Prof. S. V. Lingraju secured first prize in project competition organized during 18<sup>th</sup> National Annual Student Convention, ISTE, New Delhi at King College of Engineering, Tamil Nadu

## EXTRAORDINARY STUDENTS' ACHIEVEMENTS OR

1. Kulkarni Parkshit P, Gaikwad Audumbar A, Kale Suraj T & Kolekar Pradeep T secured Winners Place in TREMENDO STRUCTURES event - AAKAR 2K15 at National Level Technical Symposium, Walchand Coll. ege of Engg. Sangli 17th & 18th Oct.15.
2. Thorat Sanjyoti, Swapnil Deshmukh secured Winners Place in Questioniare event - AAKAR 2K15 at National Level Technical Symposium, Walchand Coll. of Engg, Sangli 17th & 18th Oct.15
3. Sangale Amar J, Pawar Ganesh S. Patil Rohan, Mali Sagar, secured Winners Place in Stuktura beam event - AAKAR 2K15 at National Level Technical Symposium, Walchand Coll. of Engg, Sangli 17th & 18th Oct.15
4. Mr. Shreyash Choudhary, Mr. Swapnil Phadatare from S.E. Chem secured first prize in the National conference at M.I.T., Pune.
5. Jaydev Ingavle secured 1st Prize in Kabaddi held at MIT Pune during 10th to 14th Sep. 2015.
6. Tejashree Diwan secured first prize in Digital India Week on 08th July 2015 held at TKIET, Warananag.
7. Patil Rohan D., Mali Sagar, Sangale Amar, secured First Place in TREMENDO STRUCTURES event - AAKAR 2K15 at National Level Technical Symposium, Walchand Coll. of Engg, Sangli 17th & 18th Oct.15.
8. Kharje Mayuresh, from TE-Mech secured First Prize in Transblazer 2k15, held on 20th Sept. 2015, at RIT, Sakharale.
9. Surve Sushant, from TE-Mech secured First Prize in Galaxy 2K15- RoboRace, held on 16th Sept. 2015, at SDIT, Red-Shirala.
10. Jadhav Sreyas S, from TE-Mech secured First Prize in Transblazer 2k15, held on 20th Sept. 2015, at RIT, Sakharale.

## Resear ch papers published by the faculty members Research Publication in Journals

1. N. S. Hanmapure, Design and development of Kinematic and Strength analysis of Solar operated multipurpose agriculture cutter mechanism with shaft mounted speed reducer. International Journal of science and research (IJSR), Vol. 4, Issue 12, December 2015, ISSN 2319-7064, pp. 2043-2046.
2. B. V. Birajdar, Risk Analysis & Management for Public Private Partnership Infrastructure Projects in India, IRJET, Vol.2, Issue 4, July 15, PP 49-51, ISSN 2395-0072.
3. B. V. Birajdar, Risk Assesment for Public Private Partnership Infrastructure Projects in India, IJRET, Vol 3, Aug.15, PP 68-71, ISSN 2321-9637.



4. B. V. Birajdar, Risk Assessment for PPP Infrastructure, Projects, IJRNES, Vol 2, Issue 1, Aug 15, PP -31-34, ISSN 2394-7349.
5. B. V. Birajdar, Literature Review on Causes of Delay in Building Construction Projects, JIKRCE, Vol 3, Issue 2, Oct 15, PP 217-220, ISSN 0975-6744.
6. B. V. Birajdar, Productivity Improvement in Construction Industry, IRJET, Vol 2, Issue 8, Nov 15, PP 1330-34, ISSN 2395-0072.
7. S. S. Patil, Prof. S. U. Patil, S. V. Kadoli "Advanced method of purification of pharmaceutical waste water", Dec. 2015, IJEMR, ISSN - 2250-0758, Vol.5, Issue-6, PP 246-252.
8. S. S. Patil, " Study on Brain Computer Interfacing" in international journal of Advanced research in Electrical & Electronics and Instrumentation Engineering (IJAREEIE), Volume 4, Issue 11, November 2015, ISSN (Online): 2278 8875 ISSN (Print): 2320 3765 Impact Fator: 5.016
9. A. S. Mali "Low Budget System for Measurement of Milk Parameters and Billing for Dairy". International Journal of Electronics and Communication Engineering. ISSN 2348-8549, Volume 2, Issue 5, July 2015.
10. S. V. Lingraju, "Design and fabrication of prototype of over speed controlling system", International Journal for science and advanced research and technology, Vol. 1, Issue 8, August 2015, ISSN 23 95-1052, pp 240-248.
11. R. T. Salunkhe, M. R. Jadhav, G. S. Kamble, K. D. Joshi, V. N. Mane, "Productivity Improvement of Lathe Machine By Using Hydrualic Tailstock in ABC Industry", International Journal for science and advanced research and technology, Vol. 1, Issue 12, August 2015, ISSN 23 95-1052, pp. 179-183
12. Vinay Atgur, "Analogy between thermal conductivity & electrical conductivity for some common liquids", International Journal of Inventions in engineering and science technology, Volume. 1, P-ISSN No. 2454-8111, Page No. 62-69.
13. Vinay Atgur, S. M. Gidaveer, "Experimental investigation of thermal conductivity of liquids by guarded hot plate method", International Journal of Innovative research in science engineering and technology, Volume. 4, Issue - 11, P-ISSN No. 2347-6710, Page No. 10491-10498.
14. P. B. Dehankar, S. A. Desai, V. A. Bhosale, K. I. Patil "Enhancement of Overall Heat Transfer Coefficient by using Twist Tape A Passive Augmentation Technique", Oct 2015, IJNTSE, ISSN - 2349-0780, Vol - 2, Issue 4, PP : 51-55
15. S. D. Bhopale Published paper on "A survey on QoS based Routers for Next Generation Network (NGN)", International Journal of modern Trends in Engineering and Research (IJMTER), ISSN (Online)- 2349-9745, Vol: 2, Issue-9, August 2015.
16. S. D. Bhopale Published paper on "Simulation of per antenna coding schemes of receiver for wireless communication with V-BLAST", International Journal of Electrical & Computer Engg, (IJEC), ISSN-0974-2190, Volume3, Dec. 11.
17. R S Gavade, Experimental Study and Comparison of Test Results on Fiber Reinforced Concrete, IJERT, Vol 4, Issue 11, ISSN 2278-0181.
18. V T Babar, Shear Strength of steel fiber reinforced concrete beam without stirrups, IJAET, Vol 6, Issue 2, PP- 320-330, ISSN 0976-3945.
19. C.S. Gaikwad, Application of analytical hierarchy process for selecting the best suitable bridge construction method, RRJP, Vol1, Issue 4, PP 1-4, ISSN 2249-2623.
20. Patil Satyawar Anil, "Filter Performance Evaluation For Noise Reduction in Bio Images", (IJARCSMS) Paper id- V2I11-0128, Volume 2, Issue 11, November 2014.