

MIT Tata Centre Workshop on "INNOVATION, FABRICATION AND ENTREPRENEURSHIP"



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A workshop on Innovation, Fabrication and Entrepreneurship" for the students of TKIET by Mr. Rajesh Nair, Head MIT Tata Centre Boston was held from 3rd July to 16th July 2014. This workshop promised to introduce the students to the world of business ideas and how to implement them in real time. Truly, it was a unique experience for each of the 49 participants. The workshop started with the inaugural function and a lecture by Prof. Narendra G. Shah, IIT Bombay followed by a series of guest lecturers every day viz. on the opportunities of innovation and business in the healthcare field by Prof. Santosh Noronha, IIT Bombay, a MATLAB and SIMULINK software demonstration for prototyping mechanical and electrical systems using basic equations by Mr. Amit Doshi and Mr. Prasanna, an introduction to Arduino technology by Mr. Ankit Daftery, Arduino, Bangalore and so on.

Similarly, the students were asked to fabricate a product out of a simple LED, switch and battery, and to design a lidded box of any shape they pleased. This inspired creative sparks in the minds of all participants. The students also did various experiments with Arduino Leonardo board and other devices like LED, Servo Motors and other output devices. Three field trips were arranged for the students to Manugraph Industries, Warana Dudh Dairy and Warana Distillery along with this they visit to the farm of Mr. Sanjay Takale and Mr. Vijay Takale, to learn to identify problems in the industries. On the last day, the participants undertook and displayed several projects in groups. Viz; Sugar Cane Plantation, Automatic Water Tap, Soyabean Moisture Detector, Intelligent Lighting System, Hygro Temperature sense, Alcohol indicator, Sugar Cane Cutter, Gas Detector and so on.

Shree Warana Vibhag Shikshan Mandal's

TATYASAHEB KORE INSTITUTE OF ENGINEERING AND TECHNOLOGY

WARANANAGAR-416 113, Tal. Panhala, Dist. Kolhapur, Maharashtra, India.

Phone : 02328 - 224012, 224013, Fax : 02328 - 223507

Email : principal@tkietwarana.org/tkietwarana@yahoo.com Website : tkietwarana.org

National Level Honour at ISTE National Convention for TKIET



·Hon'ble. G D Patil (EC Member), Dr. S V Anekar (Principal), Prof. T S Jangam (ISTE Coordinator) & TKIET Family Felicitated by ISTE New Delhi for Best Center of 43rd ISTE N.A.C. 2013

The 44th Annual ISTE National Convention 2014 was held at College of Engg. Trivendrum during 26th to 28th Nov. 2014. The event was graced by the Chief Guest of the function His Excellency Shri. K. Dadashiv Naidu, Governor of Kerala State, Dr. R. Murgesan, president of ISTE, Prof. Pratap Desai, Vice president ISTE along with other dignitaries. During the convention TKIET was felicitated for several achievements at ISTE. Hon. Shri. G. D. Patil, Secretary Shree Warana Vibhag Shikshan Mandal, Warananagar was felicitated for getting elected as the ISTE Executive Council Member for the 4th consecutive term.

TKIET Warananagar, was awarded as the Best Centre for holding 43rd ISTE Annual National Convention 2013. Mr. Shrikant Kore of Chemical Engg. Deptt. of TKIET bagged the Best ISTE Student Award for the year 2014.



ISTE Best Project award for Civil

Prof. J.S. Patil (Civil) and Prof. Sampath More (Eln.) were also awarded for their Best Projects at the National Level. NIT KOZHIKODE National Award for Best B.Tech Project for Civil Engg., for the project titled 'Production of BIOCNG from Press mud' @ ISTE Student convention, Rajkot, Gujrat at the hands of Hon. O P Kohli, (Governor of Gujarat), ISTE President Dr. R.Murugesan on 10th Oct. 2014. Group Members were: 1. [Chinmay Sawant](#) 2. [Akshay Patil](#) 3. [Abhijit Redekar](#) 4 [Joseph George](#) 5. [Mahesh Kharade](#). Project Guide: Prof. [Jaywant S. Patil](#)

·National level paper presentation "Eureka 2k14"



"Eureka 2k14" a National level paper presentation competition was held on 20th September, 2014. This event was sponsored by Reliance industries, Mumbai. More than 900 students participated in paper presentation competition. The Chief Guest for the inaugural function was Shri. Ramesh Hegade, General Manager, Bill Tube Pvt. Ltd, Warananagar, presided over by Hon'ble Shri G. D. Patil, Secretary SWVSM in the presence of Principal Dr. S.V. Anekar and other dignitaries. The prize distribution ceremony was carried out at the gracious hands of Shri. Satyajeet Bhosale, Reliance Polymers, Pune and Dr. S.V. Anekar, Principal TKIET. The event was coordinated by Prof. R. T. Patil and co-coordinated by Prof. B. R. Bagane and Prof. Mrs. B. A. Chougule together with the student conveners Miss. Snehal Kotawade, Mr. Viky Mohite and Mr. Aniket Dojjad.

Activities of the Department

Mechanical Engineering



Workshop on "Bearings" by SKF Bearings Pvt.Ltd. Pune

Department of Mechanical engineering organized one day workshop on "Bearings" by SKF Bearings Pvt. Ltd. Pune for S.E.,B.E. and T.E. students under MESA on 1st October 2014. A training team of SKF with four experts headed by Mr. Amit Phadke and Mr. Amol Kulkarni guided the students about classification, selection, mantling and dismantling of bearings for Different purposes. The function was inaugurated in the presence of Dr. S. V. Anekar, Principal, TKIET, Warananagar. This was well co-ordinated under the guidance of Prof.N .S. Hanamapure HOD Dept. of Mech. Engg, and faculty members Mr. S. V. Lingaraju and Mr. D. S. Patil.



MESA Celebrated Engineer's Day

MESA celebrated 'Engineer's Day' by organizing guest lecture for students on 15th September 2014. Chief Guest for this function GajananThakarshi Vasa (Managing Director, Rocket Engg. Company, Kolhapur) shared his industrial experience with students and had an interaction on the queries of students. Dr. S.V.Anekar, Principal, TKIET, Warananagar, Dr. S.S. Joshi, Prof. N.S. Hanamapure, Prof. V.N.Mane and Mechanical Engg. Department faculty members and students were present for this function.

Civil Engineering



CESA Inaugural Function

An Inaugural function of Civil engineering students' association (CESA) was organized on 26th of July 2014. The chief guest for this function was Mr. S. D. Patil, Cluster Head, L & T Construction, Mumbai. He interacted with students and gave information about the current construction industry scenario. The students were enriched with construction related insights which were highly appreciated by the participants. Dr. S. V. Anekar, Principal, Prof. B. V. Birajdar, H.O.D, Civil engineering dept., Prof R.V. Kajave, faculty adviser, CESA, Mr.Vinay Ghunke, President, CESA and all faculty and students were present on this occasion.



Guest lecture on 'Personality development'

A guest lecture by Mrs. Preeti Patil, HR Manager, B & M Infra Pvt. Ltd., Pune on the topic 'Personality development & Communication skills', was organized on 17th July 2014 by civil engineering students association (CESA) in association with T & P Cell. The chief guest interacted with students and gave information about the importance of personality development, soft skills, leadership qualities, decision making skills, time management, manners and etiquettes & communication skills. Prof. B.V. Birajdar, H.O.D, civil engineering dept., Prof S. T. Patil, T&P coordinator, Prof R. H. Sule and Prof R.V. Kajave, faculty adviser, CESA were present on this occasion.

Computer Science & Engineering



Aces Inauguration Function

The inauguration function was carried out by the ACES team on August 23, 2014. Delegates from TCS Mr. Ankur Sinha and Mr. Suyog Bhandekar were present as the guest of honour. Mr. Suyog Bhandekar shared the information about the TCS and their program Campus Commune and the contest Code Vita. Mr. Ankur Sinha shared his views and gave the presentation on the interaction to the IT sector and also shared the information on the experience and knowledge about the interviews. After the inauguration the TCS Team interacted with the B.E students regarding the campus placements.



Teacher's Day Function

Department of Computer Science and Engineering celebrated the Teacher's Day function carried out by the ACES team. It was presided over by Prof. A. G. Patil, Head CSE. During the earlier part of the day the lectures were conducted by the students for the students. During the later part of the day a felicitation function was held for the faculty. Prof. A. G. Patil, Head CSE shared his views with the students. The faculty Members also interacted with the students and shared their experiences. The ACES team felicitated all the faculty members by offering a small memento each.

Industry Interaction

Department of Computer Science and Engineering had organized Industry Interaction Program for the students on

Sept. 7, 2014. The Industrial person Mr. Amol Shirke was invited as the chief guest. He interacted with the B.E students regarding the requirements for campus placement. He shared his work experience and valuable information on the very significant aspects like personality development, soft skills and interview skills.

Electronics Engineering



Workshop on "Embedded System"

Electronics Department had organized one day workshop on "Embedded system" on 14th August 2014 for BE Electronics students. The workshop was conducted by Suryakant Dodmise, CEO Core Technology, Kolhapur. During the inaugural session of the workshop Dr. S. S. Joshi, Vice Principal, Prof. S. S. Patil, HOD Electronics Dept. and Prof. B. G. Warwante Workshop Coordinator were present.

Information Technology



Guest Lecture on "Cloud Computing"

A Guest Lecture on "Cloud Computing" was conducted on the occasion of IIIT inauguration on 6th July 2014. Mr. S. S. Soni, Head, IT Department (Shri. Warana Sugar Factory) interacted with the students and exchanged his knowledge and experience with the students. The lecture was very enlightening and eye opener for the students. This event was coordinated by Mr S. S. Farande with the help of student President Mr. Nikhil Hingmire under IIIT. Students of IT department attended this Lecture making it a grand success.



Guest Lecture "on Online Business Management"

A Guest Lecture has organized on "Online Business Management" by Mr. Rajesh Namase on the occasion of Engineers Day on 15/09/2014. The event was coordinated by Mr. S. S. Farande with Student Coordinator Mr. Nikhil Hingmire under EDC and IIIT. Students and Staff from the IT department have attended this workshop.

Chemical Engineering



Two weeks ISTE workshop on 'Control System'

A ten days workshop was conducted by IIT Kharagpur on 'Control System' from 2nd to 12th Dec. 2014 which was held at the remote center 1028, TKIET Warananagar under the guidance of workshop coordinator Prof. S. A. Desai Chemical Engineering Department and remote center coordinator Mr. N. B. Jadhav. There were about 82 faculty from various departments participated in this workshop. It was inaugurated by Dr. S. V. Anekar, Principal, TKIET.

Guest Lecture in Research Fields

A guest lecture of Dr. C. V. Rode, Chief Scientist, NCL Pune, was organized on the topic "The Various Research Fields in Chemical Engineering" on 23rd August 2014 by Chemical Engineering Student Association (ChESA). The chief guest interacted with students, faculties and discussed about the new research challenges in Chemical Engineering fields. The information shared by the guest was an eye opener for the students to pursue research in innumerable fields having wide scope.

Bio-technology



Student Committee (bits) Inauguration

Biotechnology Innovators and Technocrats Society (BITS) is a student committee of department of biotechnology. Inauguration of BITS was conducted on 2nd August 2014. Mr Omkar Shinde, IIT Kharagpur presently working in Tata steels Jamshedpur was the guest of honour. Newly elected members of the committee were felicitated on this occasion. Our beloved vice principal Dr. S.S Joshi was also present on this occasion with department HOD Mr. V.J. Pachupate. BITS president Mr. Pramod Jadhav, secretary Mr. Rohan Jadhav and coordinators were felicitated by the guest. The guest of honour, Mr. Omkar Shinde delivered a lecture on Environment and Mineral biotechnology.

First Year Engineering



Student's Association (FESA) Inauguration

Inauguration function of First Year Engineering Student's Association (FESA) was organized on 26th August, 2014. Dr. B. M. Hirdekar, Ex- COE, Shivaji University, Kolhapur, was the Distinguished Chief Guest on this occasion. The inauguration function was graced in the cheerful presence and address by Dr. S. V. Anekar, Principal, Dr. S. S. Joshi, Vice-Principal, Prof. P. B. Patil, F.E. Chief Coordinator and Prof. M. B. Kuppanatti, FESA faculty Adviser. On this occasion the FE ranker students were felicitated at the hands of Chief Guest. The event was coordinated by Prof. M. B. Kuppanatti, FESA faculty Adviser.



First Year Engineering Student's orientation program

First Year Engineering Students' orientation program was organized by TKIET on 31st July, 2014. The function was graced by the Principal, Dr. S. V. Anekar, as the president and Chief Guest of the function in the gracious presence of Dr. S. S. Joshi, Prof. P. B. Patil, Prof. B. V. Birajdar, Prof. T. S. Jangam. During the function, the newly admitted student's of First Year Engg. were formally welcomed and were familiarized and instructed with the detailed information about the campus, institute, various departments and Cells. Along with these addresses by hon'ble principal, Vice principal and FE Chief Coordinator, all the department Heads and Cell in-charges also introduced themselves and their departments. The event was anchored by Dr. Mark Monis.



Two Week ISTE Workshop on Cyber Security

This workshop was conducted by Prof. Bernard L. Menezes and Prof. Sivakumar from July 10th, 2014 to July 20th, 2014

Training & Placement Cell



System & Network support Department



Two Week ISTE Main Workshop On Control Systems

As an important initiative taken by IIT Bombay and IIT Kharagpur, to work with Engineering Colleges of India, 'a two week ISTE main workshop on Control System' was conducted at TKIET remote centre from 2nd Dec. 2014 to 12th Dec. 2014. The purpose was to train and enhance the teaching skills of the faculty colleagues in core Engineering and science subjects. Under this mission near about ten thousand Teachers were trained all over India in different remote centers. Participating teachers attended live lectures at a remote center close to their own college, and also attend tutorial and lab sessions conducted in the same.

Total Number of students placed							
Branch	CSE	IT	ELN	CHEM	MECH	Civil	TOTAL
	22	4	6	6	7	2	47

- Mission TCS one month special designed program was arranged for BE students, which includes aptitude tests, mock interviews, PI, email writing, GD etc.
- T. E- two days program on aptitude tests and soft skill was arranged under lead college cluster of Shivaji University Kolhapur.
- Company specific training was arranged in all dept's.
- Employability on-line test was arranged for all BE students.
- SE- soft skill and aptitude training was arranged under lead college cluster of Shivaji University Kolhapur.
- F. E- English and soft skill program of 30 hrs conducted for scholar batch.
- FE Vedic mathematics course is arranged.
- F. E one day program conducted on Personality development under lead college cluster of Shivaji University Kolhapur.

Academic Improvements by Faculty

Ph. D Awarded



Dr. Marku Monis, Asst. Prof. in English from the Deptt. of Humanities and Applied Sciences has been awarded with the Degree of Doctor in Philosophy (Ph. D) in English Language (Linguistics) for his thesis entitled **“A Study of the Error Analysis in Communication among the Students of Engg. Colleges, affiliated to Shivaji University Kolhapur.”**

He has Published 10 research papers in International Referred Journals and also 6 research papers presented in National Conferences.

Faculty Upgradation

- Prof. V. J. Pachupate qualified Indian Council of Agricultural Research, NET-2014& M.E. Completed in Biochemical Engg.
- Shri. J. A. Patil & Shri. T. S. Sawant Completed M.E. in Civil.
- Mrs. A. A. Thorat Completed M.E. in Electronics.
- Shri. S. A. Mogane Completed M. Tech. (CAD/CAM) from JNTU, Hyderabad, Andra Pradesh

Felicitation of Prof. T. S. Jangam by ISTE



T.K.I.E.T. organised **JIDNYASA-2K15** a National Level Project Competition on 4-4-2015. The programme was inaugurated by Prof. Pratapsinh K. Desai, President, ISTE in the presence of Prof. G. D. Patil, ISTE Executive Council Member Dr. S.V. Anekar, Principal & Prof. L. B. Patkure, Coordinator. During the Program, Prof. T. S. Jangam was nominated as Section Committee Member of ISTE for Maharashtra & Goa Section and was felicitated by Prof. P. K. Desai, President, ISTE.

Journal Publication by Faculty

1	Dr. S. S. Joshi	Diethylamine catalysed knoevenagel-carba-michael cascade pathway towards the synthesis of medicinally privileged 2-amino-4H-chromenes, National Conference on frontiers in Chemical and Material Sciences (FCMS-2015), Shivaji University Kolhapur, dated Jan. 16 th -17 th 2015, in conference proceedings Pp.111.
2	Prof. N. S. Hanamapure Prof. S. S. Jadhav	“Toroidal Drive System for Vehicle Transmission Control”, International Journal for Scientific Research & Development ISSN 2321-0613, Vol. 2, Issue 09, December 2014, pp. 77-81.
3	Prof. V. R. Gambhire	“Cam based infinitely variable transmission system”, International Journal of Innovative Research in Science Engg. and tech., ISSN: 2319-8753, Vol. 3, Issue. 08, in August 2014, pp.133-39.
4	Dr. Marku Monis	Book Review of 'Effective Business Communication' by Dr. M.V. Rodriques, (CIBER), South Asian Journal of Management Research (SAJMR) Vol-6, Issue -2, July 2014, ISSN- 0974-763X
5	Prof. M. R. Jadhav Prof. K. D. Joshi Prof. P. V. Mulik Prof. G. S. Kamble	“Facility layout design improvement in ABC Industry”, International Journal of Advanced Technology in Engineering & Science ISSN: 2348-7550, Vol. 2, Issue. 1, in September 2014, pp. 96-103.
6	Prof. A. S. Todkar Prof. P. R. Patil Prof. P. N. Deshmukh	“Effect of Vibration on Micro-Electro-Discharge Machining”, International Journal of Mechanical Engineering & Technology ISSN: 0976-6340/6359, Vol. 5, Issue. 7, in July 2014, pp. 80-100.
7	Prof. S. S. Borchate Prof. N.S. Hanamapure	“Design, Analysis and Performance Optimization of Disk Brake”, International Journal of Advanced Engineering Research and Studies, ISSN: 2249-8974, Vol.3, Issue 2, 2014, pp. 643-47.

8	Prof. V. V. Patil Prof. A. M. Patil, Prof. P. D. Kulkarni	"Design & Development of Bagasse Dryer for modern jaggery house", International Journal of Advanced Research in Science & Engineering (ISSN: 2319-8354) Vol. 3, Issue. 1, in September 2014, pp. 599-605.
9	Prof. V. V. Patil Prof. A. M. Patil Prof. P. D. Kulkarni	"Design & Development of Sunflower seeds extraction machine", International Journal of Advanced Research in Science & Engineering ISSN: 2349-6495, Vol. 1, Issue. 5, in October 2014, pp. 63-69.
10	Prof. G. N. Kanade Smt. J. B. Sangale	IJERT Vol.3, Issue 06 ISSN: 2278-0181, June 2014
11	Prof. G. N. Kanade Prof. P. B. Kolekar	IJERT Vol.3, Issue 11, ISSN: 2278-0181, Nov. 2014
12	Prof. A. R. Chougule	IJERT Vol.3, Issue 12, ISSN: 2278-0181, Dec. 2014.
13	Prof. Urabinahatti Sachin	Human-Computer Interaction using Hand Gestures, International Journal on Recent and Innovation Trends in Computing and Communication-ISSN:2321-8169, Volume: 2 Issue: 5.
14	Prof. K. I. Patil	Suspended solid growth method for the removal of organic matter from Industrial effluent International Journal of scientific & Engg. Research, Vol.5 Issue 7, ISSN No. 2229-5518 Pp. 1132-1138, July 2014.
15	Prof. P. B. Dehankar Prof. N. S. Patil	Heat Transfer Augmentation A Review for Helical tape insert, International Journal of Scientific Engineering and Technology, Vol.3 Issue No. 10, ISSN No. 2277-1581 P.P. 1236-1238, Oct.2014.
16	Prof. P.J.Patil	Reactive extraction of succinic acid by using ALIQUAT 336 in different diluents International journal of Advanced technology in Engg., And Science (IJATES), Vol.2, Issue 09, ISSN No. 2348-7550, Sept.2014.
17	Prof. A. V. Surve	'Study of Technology Forecasting Methods', International Journal of Emerging Trends in Science and Technology, IJETST, 2014, Vol:01 Issue:05(July 2014) ISSN:2348-9480.
18	Prof. V. C. Patil	Learning of DDD. International Refereed Journal of Engineering and Science (IRJES) ISSN (Online) 2319-183X, (Print) 2319-1821 Volume 3, Issue 11, November 2014, PP.35-40.
19	Prof. V. S. Doijad	Intelligent collision avoidance and monitoring system for railway using wireless network. Vol: 01, Issue: 06, Pp. 83-88 ISSN 2349-9745.
20	Smt.Dr. V. D. Patil	Effect of Different Electrolytes to generate Electricity by using Microbial Fuel Cell Pp: 110-123, 978-81-927211-9-2.
21	Prof. N. H. Shinde	Extraction of Parthenin from Parthenium Hysterophorus. IJCPS-Vol.3, No.5, ISSN No. 2319-6602, Oct.2014.
22	Prof. S.T. Patil Smt. Shilpa Patil	Photocatalytic degradation of m-chlorophenol using solar and artificial radiation International journal of Engg. And science (IJES) Vol.3 , Issue-11, ISSN No. 2319-1813 November 2014.
23	Prof. S. A. Desai	Extraction of p-coumaric acid & Ferralic acid using surfactant based aqueous two phase system Applied Biochemistry & Biotechnology, Vol. 173, Issue 6, ISSN 0273-228.