



# REFLEX TKIET

## NEWSLETTER



Bi-Annual News Letter

Vol. VII, Issue - I, June 2015

### Distinguished Advocate Hon. Ujjwal Nikam, Chief Guest for Annual Social Gathering 2k15

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The 30<sup>th</sup> annual social function was held from 12<sup>th</sup> to 14<sup>th</sup> March 2015. The main function and prize distribution ceremony was held on 14<sup>th</sup> March. 2014 and it was graced by the auspicious presence of distinguished personality, and seasoned Advocate

Hon. **Ujjwal Nikam** who is an Indian Public Prosecutor and has been involved in prosecuting the 1993 Bombay bombings case, the Gulshan Kumar murder case, the Pramod Mahajan murder, and the 2008 Mumbai attacks. Nikam is also the Special Public Prosecutor (SPP) in the 2013 Mumbai gang rape case and Ajmal Kasab trial case of 26 November 2008, Mumbai attacks.

The other eminent dignitaries accompanied on the dais were Hon. Shri. Vinayraoji Kore (Savkar), President of SWVSM, Hon. Shri. G. D. Patil, Secretary SWVSM, Dr. S. V. Anekar, principal and Dr. S. S. Joshi, Vice principal followed by chief co-



coordinator of annual social function, Prof. T. S. Jangam. It was a mega Grand finale where prize winning students of various events and activities throughout the academic year were awarded with at the gracious hands of renowned personalities.



Shree Warana Vibhag Shikshan Mandal's

## TATYASAHEB KORE INSTITUTE OF ENGINEERING & TECHNOLOGY

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## Guest Lectures, Workshops & Departmental Events

### Chemical Engineering

#### **Research Opportunities :** Dr. Vivek V. Buwa from IIT, Dehli

A Guest Lecture of Dr. Vivek V. Buwa from IIT, Dehli, a Doctorate from IIT, Mumbai through NCL, Pune was organized on 28th Jan.2015. He has also completed his post doctorate from Germany and presently working in IIT, Delhi. He shared his experience and research opportunities in Chemical engineering and for the students. He also shared the different courses offered in various IIT's and NIT's where all engg. Students can participate. He also guided them regarding research, Summer / winter Internship in organization BARC, NCL, DAE, DRDO., ISRO ,PUS (HPCL,IPCL,GAIL,BHEL and companies in Maharashtra and Gujarat. Program was successfully organized by Prof. K. I. Patil & ChESA members..



#### **Career Opportunities :** Dr. K. Srinivas from BIT's Goa

A Guest Lecture of Dr. K. Srinivas from BIT's Goa campus was arranged on 28th Jan. 2015 by a dynamic person who completed Doctorate from England and has experience of 25 years. He shared his industrial knowledge and career opportunities in Chemical engineering. Also he shared how Chemical engineering field can develop the bio engineering field with basic science and humanities. All students appreciated his inspiring lecture. Dr. S. V. Anekar, Principal, H.O.D, along with all teaching staff and students were present on this occasion. Program was successfully organized by Prof. K. I. Patil, Mr. S.U. Patil & ChESA members.



### Civil Engineering

#### **Best Organizing Department Award, Jidnyasa-2k15**

The civil department received the prestigious "Best Organizing Department Award", for overall conduction of Jidnyasa 2K15- A national level Project competition held on 4<sup>th</sup> April 2015 in TKIET, Warananagar. The Civil Engineering department organized "CONSTROFEST" comprising of Model Making, CAD War, Cube Casting and Project Competition under the banner of JIDNYASA 2k15. There were around 200 students participated in these events from different Institutes.



#### **General Sports Championship**

The students of civil Engineering clinched the much awaited "General Sports Championship" by being winners/ runners up place in various interclass sports competitions in the year 2014-2015. Congratulations to the sportsman spirit and fair play of the civil Engineering department along with HOD and all the faculty members for their encouragement and well wishes.



## Mechanical Engineering



**Supply Chain Management :** Shri. Mahesh Bal Bosch India Ltd. Department of Mechanical engineering organized Two days workshop on “Supply Chain Management” for S.E., B.E. and T.E. students under MESA on 9<sup>th</sup> to 10<sup>th</sup> February, 2015. Shri. Mahesh Bal, an experienced resource person from Bosch India Ltd; Pune guided the students about fundamentals of supply chain Management. This was well co-ordinated under the guidance of Prof. N .S. Hanamapure HOD Dept. of Mech. Engg, and faculty members Prof. A. R. Shinge and Prof. D. S. Patil.

**Current Scenario in Power Sector :** Shri. Rajaram Lokhande, OSD, Urja. MESA arranged guest lecture on “Current Scenario in Power Sector” on 24th Feb. 2015 for All T.E. Students. Expert for this session was Shri. Rajaram Lokhande (Officer on Special Duty, Urja 4). He shared his industrial experience with students and interacted on the queries of students related to Power Sector. Dr. S.V. Anekar, Principal, TKIET, Warananagar, Prof. N.S. Hanamapure, Prof. V. N. Mane and Mechanical Engg. Department faculty members were present for this function.



## Computer Science & Engineering



### Syllabus revision Workshop for TE CSE

The Department of Computer Science and Engineering organized One day Syllabus revision Workshop for TE CSE on 10<sup>th</sup> March 2015. This workshop was conducted under the lead college activity. This workshop was participated by the entire Computer science faculty under Shivaji University. The resource person for this workshop was Dr. G. A. Patil (BOS chairman) and Prof. A. G. Patil (HOD CSE, TKIET).

### Workshop on Linux and Networking

The Department of Computer Science & Engineering organized one day workshop On “Linux and Networking” conducted by Mr. Tanaji B. Patil, Head of Information Technology Department from Kolhapur Institute of Technology, Kolhapur. This workshop was conducted under CSI (Computer Society of India) Student Chapter on 23<sup>rd</sup> January 2015. More than 80 students from CSE department had participated in this workshop.





### **TECHNO PREMIER LEAG 2K15**

The Association of computer Science engineering Students organized a technical competition TECHNO PREMIER LEAG 2K15 on 5<sup>th</sup> February 2015. This competition is beneficiary to improve personality development & awareness of technology in students through Ex-tempore, Techno Battle, Techno Vision activities. There was a huge response from various branches of the entire college..

### **Workshop on Spoken Tutorial**

Computer Science & Engineering Department has a collaboration with MHRD & IIT Mumbai for Spoken Tutorial Workshop which promotes students for the use of Free Open Source platforms like C/C++, PHP, MySQL, Java and Latex among students and faculties. This workshop was held on 12<sup>th</sup> February 2015. CSE Department plans to conduct these workshops for the betterment of students.



### **Industrial Visit at L&T Bangalore**

The third year students of CSE department visited L&T Limited, Bangalore on 13<sup>th</sup> February 2015. They saw the assembly of electronic meter and Installation of software in the electronic meter. An industry expert explained and showed three phases for a completion of software installation. The program for electronic meters was developed by L & T Infotech at software department. More than 50 students learned effective technical details from their experts.

## **Electronics Engineering**

### **Industrial Visit to Advanced Electronics System Bangalore**

Third year electronics students visited Advanced Electronics System Bangalore on 14<sup>th</sup> February 2015. During their visit, industry person discussed with them several aspects like; scope of electronics engineering in embedded system; organized structure of the company; Design of production of various educational kits like microprocessor, micro controller & embedded systems; Industry persons highly appreciated the students for their fundamental knowledge.





### Work shop on Revised Syllabus

Electronics department organized one day workshop on revised syllabus for SE Electronics and ME Electronics on 3rd February 2015. The BOS chairman, Prof. B. B. Godgole, presided over the function and teachers from various engineering institutes under Shivaji University attended and actively participated in the workshop..

## Information Technology

**Computer Networking :**Mr. Amit Kore, Proff. AISSMS, IOIT, Pune.

Expert Lecture on "Computer Networking" was held on 10<sup>th</sup> Feb. 2015 by Mr. Amit Kore, Professor at AISSMS, under IIIT Student Association and ISTE Student Chapter. The event was coordinated by Mr. S. S. Farande with the help of Student Coordinator Mr. Nikhil Hingmire, and students from IT Department attended this lecture. It really helped the students to understand the Networking Concepts.



### Technical Symposium Nascent 2k15

"Nascent 2k15" One week college Level Technical Symposium was arranged from 11th January 2015 to 24th January 2015 under IIIT Student Association. The events in Nascent were Aptitude, Technical Interview, Personal Interview, Group Discussion and so on. The event was coordinated by Ms. S. S. Farande with the help of Student Coordinator Mr. Nikhil Hingmire. Students from various departments of the Institute participated in this Event. It was a grand Success.

## Humanities & Applied Sciences

### "TECHNOCUBS" - Jidnyasa 2k15

National level Industrial Problem Solver and Model Making Competition "Jidnyasa 2k15" held on 4th April, 2015. Department of Humanities and Sciences participated in competition "Jidnyasa 2k15" under the head "TECHNOCUBS". Total 150 students participated in this event from several colleges. 20 groups participated from other colleges and 33 groups participated from T.K.I.E.T.. Mr. Choudhary, and Mr. Patil worked as an external judge and Prof. B. R. Bagane and Prof. S. T. Patil worked as an internal judge for this event.



## Events of System and Network Support Department



### TWO - WEEK ISTE (STTP)

Department of System & Network organized in association with Civil Engineering Department, TWO - WEEK ISTE Short Term Training Programme (STTP) on “Pedagogy for Effective use of ICT in Engineering Education” for Engineering & Nearby Institute Faculties. There were 31 participants. This Workshop was conducted by IIT, Bombay by Prof. Sahana Murthy, Prof. Sridhar Iyer from January 5th, 2015 to January 31st, 2015. The Workshop Coordinator was Prof. Rahul V. Kajave.

### TWO – WEEK- ISTE STTP on Environmental Studies

Department of System & Network organized in association with Civil Engineering Department TWO - WEEK ISTE Short Term Training Programme (STTP) on “Environmental Studies” for Engineering & Nearby Institute Faculties. There were 29 participants. This Workshop was conducted by Prof. Virendra Sethi, Prof. K Narayanan from 2<sup>nd</sup> June 2015 to 12<sup>th</sup> June, 2015. The Workshop Coordinator was Prof. Babasaheb R. Bagane (Civil Engineering).



### ISTE STTP on Introduction to Design of Algorithms

In association with Computer Science & Engineering organized two week ISTE STTP on Introduction to Design of Algorithms Under the National Mission on Education through ICT (NMEICT), funded by the Ministry of Human Resources Development, Government of India. This workshop remotely held at CSE department with 52 participants from 25<sup>th</sup> May 2015. The workshop was conducted by Partha Pratim Chakrabarti, Partha Pratim Das from IIT Kharagapur. This two week workshop was coordinated by Prof. A. G. Patil (H.O.D CSE) as workshop coordinator.



### Virtual Labs Nodal Center of IITB RC

The inaugural function of T.K.I.E.T. as Nodal Center was held on 10<sup>th</sup> March 2015, wherein Dr. Sunil V. Anekar (Principal) was Coordinator, Prof. Pushpdeep Mishra was Project manager IITB and Ajay Mathur was the Co-Coordinator. The objectives were to provide remote-access to Labs in various disciplines of Science and Engineering; to enthuse students to conduct experiments by arousing their curiosity and to provide a complete Learning Management System around the Virtual Labs where the students can avail the various tools for learning, including additional web-resources, video-lectures, animated demonstrations and self evaluation.



**PG completed Faculty :**

1. Prof. Joshi K. D. and Prof. Patil D. S. (Design Engineering) from Mechanical Deptt.
2. Prof. J. B. Sangle, Prof. P. B. Kolekar, Prof. V. M. Sanade, Prof. C. S. Gaikwad & Prof. T. S. Sawant  
From Civil engg. Deptt.

**Faculty registered for PH. D program :**

1. Prof. R. B. Patil – K L University, Vijaywada from Computer Sci. & Engg Dept.
2. Prof. G.V. Patil - VT University, Karnataka from Computer Sci. & Engg Dept.
3. Prof. S. H. More - Shivaji University, Kolhapur from Electronics Engg. Dept.

**Extraordinary students' achievements or awards :**

1. Miss. Takale Manasi Vijay from B.E. electronics bagged the Best Outgoing Student award for the academic year 2014-2015.
2. Awarded Best Project, 2nd Prize for project titled 'Production of BIOCNG from Pressmud' at BHAGEERATH TECHNOLOGY FESTIVAL under Bhartiya Sanskriti Mahotsav at Sidhhagiri Math, Kaneri on 19th to 25th Jan. 2015. Presented by: Aditya A. Khade and Avdhoot Jadhav from Civil engg. under the guidance of Prof J. S. Patil
3. Mr. Ajit Patil of BE Civil bagged Rajyastharia Sahyadri Yuva Gaurava Puraskar 2015 by Sahyadri Foundation

Sr. No.	Name of Student	Class	Competition	Prize/ Rank	Date	Venue
1	Daljit Singh	T. E. Mech	Innovate-Imathalate	First Prize	9 Mar 2015	PVPIT, Budhgaon
2	Mali Pankaj PatilManoj	T. E. Mech	ROBO THROTTLE-ONN	First Prize	28 Feb 2015	YSPM, Satara
3	Mali Pankaj	T. E. Mech	ROBO RACE	First Prize	24 Feb 2015	SGL, Atigre
4	Mali Pankaj	T. E. Mech	ROBO RACE	First Prize	3 Mar 2015	Finolex Academy, Ratnagiri
5	Mali Pankaj Shelke Mahesh Ram	T. E. Mech	ROBO RACE	First Prize	13 Mar 2015	DYPCET, Kolhapur
6	MahamuniAniruddha	T. E. Mech	ROBO RACE	First Prize	18 Mar 2015	Adarsh Group, Vita
7	MohiteSwapnaj MahamuniAniruddha	T. E. Mech	ROBO RACE	First Prize	3 Mar 2015	Finolex Academy, Ratnagiri
8	Tejashri Diwan	B.E. CSE	Medha-Milan	First Prize	7 March 2015	VECW, Andhra Pradesh
9	BhoiteShubham	S. E.Mech.	ZEST-15	First Prize	18 March 2015	COE, Pune

**Journal Publications by Faculty :**

- **V. R. Gambhire** : Experimental analysis of stress in real (Preserved) Inact proximal Human Femur Bone under static load, International Journal of Advanced Technology in Engineering and Science, Volume - 03, Special Issue - 01, March 2015, ISSN (online): 2348-7550, Pp.1179-1187.  
Analysis of Bending strength of Bevel Gear by FEM, International Journal of Innovative research in Advanced Engineering, PP.424-429.  
Finite Element analysis of composite flat C spring of car rear suspension under dynamic load, International Journal Of Engineering Development and Research, Pp.217-224.
- **S.S.Patil** : "A review on intelligent Automatic Meter Reading and E-Bill System using Power Line communication" international journal of science and Research (IJSR), ISSN:2319-7064 Vol-4, Issue-4, April 2015, PP.1341-1343.
- **V. A. Bhosale, K. I. Patil, P. B. Dehankar** : 'Study of accidental releases heavy gas dispersion comparing SLAB models and SCREEN-3 model', Jan'15', IJESRT, ISSN - 2277-9655, Vol. – 4, Issue – 1, PP: 765-769.

- **M. V. Jadhav, G. S. Kamble, V. R. Gambhire** : Experimental analysis of stress in real (Preserved) Inact proximal Human Femur Bone under static load, International Journal of Advanced Technology in Engineering and Science, Volume - 03, Special Issue - 01, March 2015, ISSN (online): 2348 -7551, Pp. 1179-1188.
- **S. T. Patil** : 'Design of Fluidized bed Bioreactor for Biological Denitrification', May 2015, IJPRET, ISSN -2319-507X, Vol – 3, Issue – 9, PP: 1-8.  
 'Removal of Heavy Metal from industrial waste water', 2015, IJAERS, ISSN -2321-0613, Vol – 3, Issue – 3, PP: 556-560.  
 'Degradation of M-chlorophenol using solar radiation', May 2015, IJPRET, ISSN -2319-507X, Vol – 3, Issue – 9, PP: 21-29.  
 'Kinetic & Equilibrium Study on Removal of Acid Orange by using Activated Carbon', May 2015, IJPRET, ISSN - 2319-507X, Vol – 3, Issue – 9, PP: 9-20.
- **M. R. Todkar** : An Experimental study of thermo hydraulic performance of modified double pipe heat exchanger using mesh inserts, International Journal of innovative , Research in Science engineering and Technology, Vol. 4, Issue 6, June 2015, ISSN 2319-8753, Pp. 4622-4627.
- **M. R. Jadhav, G. S. Kamble, P K. D. Joshi, P. V. Mulik** : Process Improvement in Powder Coating Station And Pit Furnace Station in ABC Industry, International Journal of Informative & Futuristic Research, Vol. 2, Issue 10, 2015, ISSN (Online): 2347-1697, Pp. 3638-3643.
- **N. S. Patil, P. B. Dehankar**, 'Recycling of Orange Peels As Pectin – A Valuable Product', May 2015, IJIFR, ISSN - 2278-0181, Vol. – 3, Issue – 7, PP: 3041:3048.
- **K. I. Patil** : 'Comparison of heat transfer co. for simple 2-Blade Agitator & 4-Blade Agitator in semielliptical', NCETETA, National Conference January 2015, Vol. – 1, PP: 1025.
- **Vibhavari D. Patil** : Sarika A. Lohar<sup>1</sup>, , and Deelip B. Patil<sup>1</sup>, Role of Mediators in Microbial Fuel Cell for Generation of Electricity and Waste Water Treatment, Vol. 6, Issue-1, 2015, Pp. 6-11, ISSN: 0976 -2590, Online ISSN: 2278 –6015.
- **A. S. Mali** : "Wireless Healthcare Application Development for Sitting Posture Monitoring". International Journal of Engineering Science and Research Technology . ISSN: 2277-9655, Volume 4, Issue 5, Month - May 2015, "Underground Coal Mine Monitoring System by Using Wireless Communication". International Conference on Electronics and Computing, Organised by DKTE Society's Textile and Engineering Institute, Rajwada, Ichalkaranji and IEEE Bombay section, on 9<sup>th</sup> and 10<sup>th</sup> April, 2015. Proceedings Page No. 170-174.  
 "Wireless Healthcare Application Development for Sitting Posture Monitoring". International Conference on Electronics and Computing, Organised by DKTE Society's Textile and Engineering Institute, Rajwada, Ichalkaranji and IEEE Bombay section, on 9<sup>th</sup> and 10<sup>th</sup> April, 2015. Proceedings Page No. 182-184.  
 "An Embedded Platform Based PLC Development". International Conference on Electronics and Computing, Organised by DKTE Society's Textile and Engineering Institute, Rajwada, Ichalkaranji and IEEE Bombay section, on 9<sup>th</sup> and 10<sup>th</sup> April, 2015. Proceedings Page No. 270-273.  
 "Online Dynamic Torque and Efficiency Monitoring in Induction Motor by Integrating Embedded System into Wireless Sensor Network". International Conference on Emerging Trends in Engineering Sciences, Organised by Jain College of Engineering, Belgaum on 25<sup>th</sup> April, 2015. Proceedings Page No. 96-99.  
 "Implementation of Process Scheduling Strategies of Operating Systems Using FPGA.". International Journal of Scientific Research. ISSN: 2277-8179, Volume 4, Issue 6, Month - June 2015, Page No. 551-554.
- **P. B. Dehankar** : A Double Pipe Heat Exchanger – Fabrication and Standardization For Laboratory Scale', April'15', IJRITCC, ISSN - 2321-8169, Vol. – 3, Issue – 4, PP: 1845 – 1847
- **P. B. Dehankar** : V.A.Bhosale, 'Catalytic Conversion of Used Palm Oil into Valuable Product', Outstanding Young Chemical Engineer, International Conference March 2015, Mumbai.
- **K. K. Awale** : "Anomaly Detection & Response system for RDBS ", IJERT, Vol.4, issue 1 , No.42, ISSN: 2278-0181. "Anomaly Response System For RDBS using Joint Administration. Model", IRJET, Vol.2, issue.1, e-ISSN: 2395-0056