



# REFLEX TKIET

## NEWSLETTER



Bi- Annual News Letter

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### TKIET bestowed with 'A' Grade by NAAC with thumping CGPA 3.27

#### Editorial Committee

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**Dr. Marku Monis**

Design & Technical : Mr. Vinayak M. Chavan



TKIET has been accredited with 'A' Grade by National Assessment and Accreditation Council (NAAC), Bangaluru in the cycle-I. The institute, with NAAC CGPA 3.27 sets a new quality benchmark in Shivaji University & becomes number one Non- autonomous

Engineering Institute in the State of Maharashtra and amongst top five institutions in India. With this excellent grade, the college is now eligible for Shivaji University Permanent Affiliation, Autonomy and various grants from DST, UGC, New Delhi and other organizations. Along with NAAC, the institute had already sought accreditation and certification from National Board of Accreditation, thrice.

The NAAC visit was held on 07, 08 and 09 Oct. 2016. The Peer Team for the assessment comprised of three experts from different destinations i.e. Chairperson Prof. Dr. Raj Kamal, Former Vice Chancellor, Rector & Professor in CSE, Electronics &



Information Technology, Devi Ahilya Vishwavidyalaya, Indore (MP), Member Coordinator, Prof. Dr. Brajabandhu Pradhan, Former Professor, Dept. of Mech. Engg. IIT Kharagpur Patia, Bhubaneshwar (Odissa) and Member, Dr. V. Venkatakrishna, Former Principal, Godavari Institute of Engg. & Tech. Rajahmundry, Hyderabad (Telangana).



Shree Warana Vibhag Shikshan Mandal's

## TATYASAHEB KORE INSTITUTE OF ENGINEERING & TECHNOLOGY

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## Glance at NAAC Peer Team Visit at TKIET



Principal'S Presentation



@ Chemical Department



@ Civil Department



@ Mechanical Department



@ Computer Sci. & Engg. Department



@ Electronics Department



NAAC Co-ordinator  
Dr. Brajabandhu Pradhan



@ Gymkhana



@ Orchestra



NAAC Chairperson  
Dr. Raj Kamal

## National level Paper Presentation "Eureka- 2k16"



"Eureka 2k16" a National level paper presentation competition was held on 24<sup>th</sup> Sept., 2016. Over 1000 students participated in the competition with their creative ideas & presentations. The event was graced by Chief Guest Hon. Mr. Santosh Raktwan, Alumni Electronics, Sr. Vice President, Engineering & Operations, SoftDel, Pune. Mr. Suresh Patil and Mr. Amit Gade Alumni of Chemical Engineering were guest of honour & presided over by Hon. Shri. G. D. Patil, Secretary SWVSM in the presence of Principal Dr. S. V. Anekar & other dignitaries. The event was coordinated by Prof. S. S. Patil as a convener together with the student conveners. The Electronics department was the host for EUREKA2K16.

## Guest Lectures, Workshops & Departmental Events

### Mechanical Engineering



On 9<sup>th</sup> July 2016, MESA organized a function to welcome new Second Year students to the Department. The First Year (Mechanical) toppers were felicitated. Mr. Pratik Mane topped the list with 80.36% in SU Examinations. Mr. Ritesh Khandekar (2013-14), one of the alumni, shared his experiences with the audience. He discussed his views on Banking Sector as one of the avenues for Engineers. Mr. Ishwar Gophane and Mr. Vaibhav Chavan presented the Activity Calendar of MESA for the academic year 2016-17. Miss. Sneha Chile, Mr. Pratik Mane, students from Second Year, expressed their views, opinions and appeals. Finally, MESA President, Mr. Vaibhav Chavan expressed vote of thanks.

MESA, Mechanical Engineering Students' Association was formally inaugurated on 6<sup>th</sup> August 2016. On this occasion, Principal, Dr. S. V. Anekar addressed the students and shared information about the various activities conducted by MESA. The Chief Guest, Mr. Parag Kulkarni, Head of Piping Design, TICB, Mumbai, showcased not only his company, but focused on Scope of Mechanical Engineering in Industries, applications of mechanical devices in various fields. He addressed students to participate in different activities with academics. During his speech, he also shared his personal experiences as an Industrialist. Mr. Shubham Chougule concluded the function with his vote of thanks.



### Chemical Engineering



Chemical Engineering Department organized a Two days workshop on 'Application of AutoCAD & CATIA in Chemical Engineering Design' on 2<sup>nd</sup> & 3<sup>rd</sup> Sept. 2016. The workshop sessions were conducted by external expert Prof. R. M. Shinde, RIT, Sakhrle & internal expert Prof. K. D. Joshi, Mechanical Department, TKIET, Warananagar. The workshop was inaugurated by Prof. R. M. Shinde & Prof. K. D. Joshi, in the presence of Principal, HOD, Departmental staff & students. Valedictory program was conducted on 3<sup>rd</sup> Sept. 2016 as concluding sessions of workshop. It was coordinated by Prof. V. A. Bhosale & Prof. P. B. Dehankar.

Student development program was organized by the chemical engineering department in association with InfiDOF Bangalore during 28th to 30th July 2016. Total 54 participants participated in the workshop. Mr. Ganesh Narayan technical mentor infiDOF was the chief guest of the inaugural function and key speaker for the three days' program. During workshop the lecture sessions were effectively designed to give the necessary theoretical background. The exercises included in workshop were drawn from almost all the core area of chemical engineering domain which might help the students to consolidate their engineering concepts.



## Computer Science & Engineering



The CSE Department organized three days hands on workshop on "Android Application Development" from 27-08-2016 to 29-08-2016. The resource persons were Mr. Ranjit Kolkar from VPCOE, Baramati, Mr. Sarthak Joshi and Mr. Pratik Doshi. The objective of the workshop was to explore the fundamentals of Android application Development, to endow overview of android course contents. To provide a platform for the engineering students to learn from the industry expert and explore the practices followed in industry.

One day workshop on "Redefining Projects: From Project Development to Product Deployment" was conducted on 01 Oct. 2016. The objective of a workshop was to focus on Problem identification, domain selection, development till deployment and report writing of projects carried by students as part their academics in the final year. Resource person for the workshop was Prof. Rajesh Dontham, Dept of Information Technology, Rajarambapu Institute of Technology, Sakharale interacted with the students on various related aspects.



Association of Computer Engineering Students organized an expert lecture on "Operating System Development" on 18<sup>th</sup> July, 2016. The Resource person Mr. Yogesh Babar, Technical Support Engineer, Red hat Linux Software Services, Pune delivered the lecture. The guest spoke on introducing basic concepts of Operating System like Kernel, process, shell etc. He also covered UNIX operating system details, Naming of Unix functions in detail. The session ended with mentioning prerequisites to develop own operating system.

## Electronics Engineering

The festival of Guru Pournima is celebrated with much gust and galore throughout India. It is a day when the students or the disciples celebrate the role of their Guru in their lives. On this day various speeches are read out from the Gita and the puranas which tell us how important the Guru is in our lives. On this auspicious day felicitation of all teachers is done by students on the occasion of Guru Pournima. There were speeches by students as well as teachers. It is then followed by debate competition between students.



## Civil Engineering



During the occasion of CESA inaugural function, a guest lecture was arranged for the students of Civil Engg. Dr. G. S. Kulkarni who was the Chief Guest for the function interacted & addressed students regarding the job opportunities in Civil Engineering and the attitude of students for getting High Profile Jobs. Principal Dr. S. V. Anekar also guided students with regard to the needs and responsibilities of students association. HoD, Civil Engg. Dept. Prof. B. V. Birajdar, motivate students regarding the contribution of students in the Dept. Association.

## Humanities & Applied Sciences

The Inauguration of First Year Engineering Students' Association (FESA) was organized on 20<sup>th</sup> Sept. 2016. Dr. R. K. Shanediwan, Associate Prof. in Marathi, Shri. Shahaji Chhatrapati Mahavidyalaya, Kolhapur interacted with the students as Chief Guest & discussed on current and past status of the students behaviors and gave some motivational tips for their future study. It was graced by Dr. S. S. Joshi, Vice-Principal, Prof. P. B. Patil, F.E. Chief Coordinator, Miss. Arati Patil, FESA student president and Dr. A. V. Patil, FESA faculty adviser. The event was coordinated by Dr. A. V. Patil and Dr. Marku Monis.



First Year Engineering students' orientation program was organized on 08 August, 2016. It was graced by Shri. G. D. Patil, Secretary S.W.V.S.M. Warananagar in the cheerful presence of Principal, Dr. S. V. Anekar, Dr. S. S. Joshi, Prof. P. B. Patil, Prof. B. V. Birajdar & Dr. D. N. Mane. 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 by hon'ble principal, Vice principal and FE Chief Coordinator, all the department Heads and Cell in charges. The event was well coordinated by Dr. Amol Patil and Dr. Marku Monis.

## Career Development Cell (CDC)

A guest lecture by Miss. Bhakti Bhadra In-charge Training and Placement cell, CSIBER College Kolhapur was organised by Career Development Cell on 11<sup>th</sup> July 2016. She guided the students about the significance of soft skills and personality development role in placement activities of students, activities for improving communication, requirement & opportunities in MNC Companies etc. Prof. S.V. Lingaraju, coordinator CDC organised the program successfully.





A Guest lecture by Miss. Pallavi Desai, Head Achievers Academy, Kolhapur & Prof. S.R.Kulkarni Head Vinay Kore Career Academy (VKCA) was organised by CDC on 1<sup>st</sup> August 2016 & 3<sup>rd</sup> Sept. 2016 respectively. They both guided the students about the significance of GRE, TOEFL, IELTS & UPSC, MPSC, Banking Exams etc. While discussing they gave an overlook on getting admission in Top universities in foreign countries for doing Master of Science (MS) in foreign Countries as well as career in public sector.

## Personality Development Cell (PDC)

The inaugural function of “**Personality Development Cell (PDC)**” was organised on Friday, 29<sup>th</sup> July, 2016. The Chief Guest Mr. Shashank Shekar Mishra Regional Head, Cocubes.com, West India presided over the function and shared his views about the need and significance of a well groomed personality in the corporate global world. The resource person an orator, Dr. (Mrs.) Preeti Shinde, Faculty member, Y.C.W. Mahavidyalay, Warananagar delivered a motivational speech on the 'Importance of grooming a refined professional Personality. The PDC Central Co-ordinator Dr. Mark Monis organized the event.



The Personality Development Cell (PDC) in association with T&P organized a Guest Lecture by Mr. Rajesh Chavan, Founder Cahirman, Jeevan Sanjivani on the subject 'Jeevan Sanjivani' for Non Teaching Staff members and 'Guru Sanjivani' for Faculty members on 7<sup>th</sup> Sept. 2016. He emphasised the need of being focused in setting priorities and nurturing positive attitude in whatever we do for becoming a happy, cheerful & transformed personality. He convinced the audience that we should not be over ambitious, aspiring or expect that which is not necessary in life. It was coordinated by Dr. Marku Monis in association with Prof. S.T. Patil TPO, TKIET.

## HEARTY CONGRATULATIONS



**Dr. Dhanaraj Mohan Patil** was awarded with the Ph. D degree, on 12<sup>th</sup> Sept 2016, in Civil Engineering from V.J.T.I. Mumbai (Mumbai University) **for his Thesis entitled** “Behaviour of Different Structural Systems in High Rise Steel Buildings for Lateral Loads.

## PG COMPLETED

- Prof. P. N. Deshmukh, successfully completed his M.E. at TKIET, Warananagar, in October 2016.
- Prof. M. R. Todkar, successfully completed his M.E. at PVPIT, Budhgaon, in November 2016
- Prof. A. V. Patil, successfully completed his M.E. at KIT, Kolhapur, in November 2016.

## Training Placement Cell

- Mission TCS one month special designed program was arranged for BE students, which included aptitude tests, mock interviews, PI, email writing ,GD etc
- Co-Cubes employability assessment test was conducted for all BE students under lead college cluster of Shivaji University Kolhapur.
- Company specific training was arranged in all departments.
- BE: 120 hrs soft skill and aptitude training program was conducted by O2 breathing brains Miraj for mechanical and electronics students.
- BE: soft skill and aptitude training program was conducted by Universal training institute Bangalore for computer science students.

Sr. No.	Branch	Total No of students placed
1	Computer Science & Engg.	31
2	Electronics Engg.	09
3	Chemical Engg.	13
4	Mechanical Engg.	24
<b>TOTAL</b>		<b>77</b>

## Students' achievements or awards 2016-17

Sr. No.	Name of Student	Achievements		Venue
		Competition	Rank	
Paper Presentation And Project Competitions				
1.	Mane Shruti Methe Amol Purva Kulkarni Rasekar Vishnu Swapnil Biradar- Patil Guide : Prof. A.S. Kharade	NIT Kozhikode National Award for Best B.Tech. Project (Civil Engg.) for Parametric study on transmission line tower through shape configuration under the influence of earthquake and wind forces		NIT
2.	Jadhav Avdhut Prataprao	University Examination	Third Rank	Shivaji Uni. Kolhapur
3.	Bhankapure Raksha Jivandhar	University Examination	Fifth Rank	
4.	Nikam Dhanraj Bhagwan	Highest marks in Design of Steel Structure subject	Topper	Shivaji Uni. Kolhapur
5.	Mane Pratik D	Paper Presentation (EUREKA)	First Prize	TKIET warananagar
6.	Babar Chaitanya	Paper Presentation (EUREKA)	First Prize	TKIET Warananagar
7.	Miss Joshi Chaitali	Technical Symposium	First Prize	AMGOI
8.	Miss Hawal Shubhangi R.	Table Tennis Kolhapur Zonal	Second Prize	S. C. College, Kotoli.
9.	Miss Sutar Vasudha S.	Table Tennis Kolhapur Zonal	Second Prize	S. C. College, Kotoli.
10.	Miss Mane Madhavi S	Table Tennis Kolhapur Zonal	Second Prize	S. C. College, Kotoli.

## Research publications by the faculty

Sr. No.	Name of the Authors	Title of Paper	Details of the Journal
			(Name, Vol. No. Page No., ISSN)
1	Dr. S. V. Anekar	'Simulation And Optimization Of Sour Gas Processing'	"Recent Advances In Chemical, Biochemical And Environmental Engineering" October 2016
2	N. S. Hanamapure	1. Computational Analysis of Intake System for Biogas Fuelled SI Engine	International Journal of Engineering Research & Technology, Volume 5, Issue 7, July 2016, pp-621-625
		2. Design of Intake System For Biogas Fuelled SI Engine	International Journal of Informative & Futuristic Research, Volume 3, Issue 11, July 2016, pp-4181-4187
3	S. S. Patil	" FPGA Implementation Of Invisible Watermarking Using Matlab Simulink"	International Journal Of Advanced Technology Engineering and Science ISSN: 2348-7550 Volume 4, Issue No. 8, August -2016
4	V. R. Gambhire	Experimental Testing of Toggle Lever Caliper cable Trolley Brake for fail Safe	International journal of Research in IT, management and Engineering, Vol. 6, Issue 8, August 2016, pp. 31-36, ISSN: 2249-1619
5	J. K. Shinde	'Adsorption Of Methylene Blue In Waste Water By Low Cost Adsorbent Bentonite Soil'	IJES & Computing, Vol.6, Issue No.9, Sept. 2016
6	V. A. Bhosale	'Excel Worksheet Algorithm For Dpche With Augmentation Technique'	International Journal of Multidisciplinary Research, ISSN No. 2277-9302, Vol-VI, Issue-5, pp-58-61
7	A. V. Patil	Precursory Behaviour of Fractal Characteristics of the Ulf Data Associated with Earthquake	International Journal of Engineering Research, Vol. No.5 Issue: Special 3, pp: 716-720, 2016, ISSN: 2319-6890.
8	S. S. Desai	1.Full rationality of fuzzy choice functions on base domains through indicators	New Mathematics and Natural Computation, Vol. 12, No. 3 (2016) 175–189,
		2) Quasi-transitive rationality of fuzzy choice functions through indicators	New Mathematics and Natural Computation, Vol. 12, No. 3 (2016) 191-208
9	G. V. Patil	Distributed Rendering System for 3D animation with Blender	IEEE International Conference on Advances in Electronics, Communication & Computer Technology(ICAECCT), Pune 3 <sup>rd</sup> Dec. 2016, ISBN- 978-1-5090-3662-2/16/\$31.00©2016 IEEE, Pg 11
10	P. B. Dehankar	'Modeling and Experimentation on DPHE to Study Temperature Deviation Along With Passive Heat Transfer Augmentation Technique.'	Int. J. Chem. Sci, ISSN - 0972-768X, Vol - 14, Issue – 3, PP No.1533-1540.
11	G. N. Kanade	Application of Benchmarking Method in The Construction Projects To Improve Productivity	International Journal of Technical Research and Applications, Vol-04, Issue-03, 2016, pp. 394-398
12	D. M. Patil	Seismic Behaviour of Outrigger Braced Systems in High Rise 2-D Steel Buildings	International Journal of "Structures" (Elsevier Publications), 2016, Vol. 8 (1) pp.1-16
13	A. S. Todkar	Review Paper on Twin Motor Planetary Gear Drive for Dual Speed and Safety Optimization in Hoist Application	International Journal of Science Technology & Engineering, Volume 3, Issue 2, July 2016, ISSN: 2349-6010
		Development and Testing of active Electro-Hydraulic Thruster for application in emergency brake assist system in automobiles	International Journal of Engineering Technology, Management and Applied Sciences, October 2016, Volume 4, Issue 10, ISSN 2349-4476, pp-54-60
		Review on Active Electro-hydraulic Thruster for Application in Emergency Brake Assist System in Automobiles	International Journal of Recent Trends in Engineering & Research, Volume 02, Issue 10, October-2016, ISSN: 2455-1457, pp- 32-37