



Reflex TKIET

NEWS LETTER



Bi- Annual News Letter

Vol. VIII, Issue - I, June 2016



JIDNYASA 2K16

The Institute has successfully organized one of the most awaited JIDNYASA-2K16, a National Level Projects/models and Industry Problem Solver

Competitions on 3rd April, 2016. About 1000 students from all over the country presented their projects/ models and exhibited their talent to solve industry problems. The prize distribution ceremony

was graced by the Chief Guest Hon'ble Mr. Sangram Patil, Managing Director, Marvelous Engineers, Kolhapur, Presided



over by Hon. Shri. G. D. Patil, Secretary, SWVSM, Warananagar, in the presence of Dr. S. V. Anekar Principal & Chairman of organizing Committee, Dr. S. S. Joshi, Vice Principal & Co-Coordinator of organi-



zing Committee, Prof. V. A. Bhosale, Convener, Dr. Mark Monis, Coordinator, Valedictory Function, CoConveners of Organizing Committee, faculty and students & participants made the entire event a grand success.

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Annual Social Function 2016

The prize distribution ceremony of the 32nd Annual Social function was held on 5th March 2016. It was graced by the auspicious presence of renowned Marathi writer and Poet, Mr. F. M. Shinde (Rupurkar), the President of the prestigious 87th Akhil Bharatiya Marathi Sahitya Sammelan (all-India Marathi literary meet) who has published so far 24 collections of his poetry, three compilations of his literary critiques, a collection of his one-act plays, a translation of a book, and a collection of his humorous essays etc, as the Chief Guest, accompanied by Hon. Shri. G. D. Patil Secretary SWVSM, Dr. S. V. Anekar Principal & other dignitaries.

Impulse 2k16

The National Level Inter Engineering Sports Meet was organized on 20th Feb. 2016 at TKIET. Several Sports loving students from various Engineering institutes participated in different sports events. The valedictory and prize distribution ceremony was held on 21st Feb. 2016 where the winners were awarded with cash prize and merit certificates. The function was graced by Hon. Shri. G. D. Patil Secretary SWVSM, as the Chief Guest, accompanied by Dr. S. V. Anekar Principal & organizing Chairman, Prof. B. V. Birajdar Convener, Prof. B. I. Kurane, Organising Secretary, Mr. Prashant Dalavi student convener, and Mr. Aniket Ghatage Sports G.S. and other dignitaries.



Academic Improvements by Faculty



Ph. D Awarded

Prof. B.T. Salokhe was awarded the Doctor of Philosophy degree by J. J. T. University, Rajasthan, for his Thesis entitled, "Performance Evaluation and Improvement of Microstrip Patch Antenna for Wireless Communication."



Ph. D Awarded

Prof. Amol S. Todkar was awarded the Doctor of Philosophy degree by Vishveshvarayya Technological University, Belagavi, in February 2016, for his Thesis entitled, "Effects of Vibrations on Electro-discharge Machining."



Mr. **ABHINAV KAMBLE** of Mechanical Department was awarded as the "BEST OUTGOING STUDENT OF THE YEAR" for the Academic Year 2016.

PG completed:

1. Prof. V. M. Shete successfully completed ME Civil (Construction & Management)
2. Prof. S. V. Bhosale successfully completed ME Civil (Construction & Management)

Book Published by Faculty

Dr. Sunil S. Joshi published a book entitled 'Water Research and Technology' Bhumi Publishing, Kolhapur, ISBN: 97881-931247-2-7

Major Technical Events of the Departments

Mechanical Dept.

Road Safety Awareness by Mr. Bharat Gaikwad, RTO, Kolhapur

A seminar was organized on "Road Safety Awareness" on 2nd Feb. 2016. Mr. Bharat Gaikwad, RTO, Kolhapur elaborated the importance of road safety in our life. He emphasized the significance of using safety devices like Seat-belts, Helmets etc. He discussed various causes of road accidents which have increased in the rate in the recent decade. He highlighted the importance of taking care on the condition of vehicle, wheel inflation, accessories of vehicle and importantly the psychological condition of driver himself.



Pollution Awareness Program and A PUC Camp

On 1st March 2016, Department of Mechanical Engineering organized 'Pollution Awareness Program & a PUC Camp' at Department playground. Mr. P. Y. Patil of Pankaj Motors, Kolhapur delivered a speech on Pollution as well as spearheaded the Camp. In all, 114 vehicles were issued a PUC Certificate. Faculty and students of entire institute enthusiastically participated and got their vehicles checked up during the camp. Mr. M. R. Todkar, Mr. S. M. Gidaveer and Mr. D. S. Patil co-ordinated the entire event.



Institution of Engineers Students' Chapter by Dr. Jay S. Bagi, Chairman, IEI

On the occasion of Opening of Institution of Engineers Students' Chapter, Dr. Jay S. Bagi, Chairman, IEI, Kolhapur and Mr. Ajay B. Deshpande, Hon. Secretary, IEI, Kolhapur addressed on the occasion. Mr. Deshpande elaborated the working of Institution of Engineers and its importance in an Engineer's life, the benefits from the memberships as well as he exhibited various activities organized by Local Center till date. Dr. Jay S. Bagi delivered a lecture on Career strategies for budding Engineers. The students of Second and Third year and all the Faculty members of the Department were present on this occasion.



FDP on "An approach to FEA in Research & Development for Dynamic Structures by using Ansys"

A FDP on an approach to FEA in Research & Development for Dynamic Structures by using Ansys was organized from 13th June to 18th June 2016, in technical collaboration with INFIDOF Solutions, Bengaluru. It was sponsored by I.S.T.E., New Delhi and Institution of Engineers (India) Kolhapur Local Center, Kolhapur. Dr. J. S. Bagi, Chairman, Institution of Engineers (India), Kolhapur Local Center and Director, Dept. of Technology, Shivaji University, Kolhapur, was the Chief Guest. In all 35 faculty members participated in the FDP, who came from various Engineering College.



Techno Premier League

Department of Computer Science and Engineering organized a college level event "*Techno Premier League*" in association with ACES on 9th, February 2016. Events like Techno-Battle & Brain Booster were held for the students of all the branches. The best teams were short-listed for the next round. Ten teams from both sections were short-listed for rapid fire round. In this round, each team were asked 10 general knowledge questions and the team which answered the most number of questions in less amount of time were declared the winners & were awarded



Workshop on Hadoop and Bigdata Analytics

The Department organized a workshop on "Hadoop and Bigdata Analytics" by Mr. Rishabh Shah, Senior Software Engineer, Persistent, Pune and Dr. Annappa from NITK, Surathkal from 12-02-2016 to 14-02-2016.

Resource persons Dr. Annappa from NITK, Surathkal and Mr. Rishabh Shah shared the information and had hands-on about Big Data, Hadoop, Need for Big Data, Its Sources, Characteristics, MapReduce and Data processing Framework, Understanding the MapReduce way, Basic API Concepts and so on. Many students participated in it.

Computer Science & Engineering

Guest Lecture on Red Hat Certified Engineer (RHCE)

The Department of Computer Science and Engineering organized a Guest Lecture on "RHCE Course Awareness" by Mr. Sachin Naik, Manager, Red Hat Learning Services on 07-01-2016. Mr. Sachin Naik effectively explained the basic concepts of Linux, Red Hat Learning services and RHCE course. The Session was so interactive and students involved very enthusiastically throughout the session.



Industry Visit to Persistent Systems Pune

B.E. Student of Computer Science & Engineering visited Persistent Systems Pune on 19th March, 2016. Rashmi Thambe- Sr. Account Manager and Technical Assistant CEO Persistent Systems, Pune gave a presentation on Internet of Things and company's various projects. Atul Shenoy - Associate Executive, Siddharth Pendse- Human Resource - Information Technology and Services at Persistent Systems, Pune were present at the time of visit.



Civil Engineering Deptt.

Two weeks students technical enhancement program STAAD PRO

Department of Civil Engineering in Collaboration with CESA and ISTE organized Two Weeks students technical enhancement program STAAD PRO by the trainer Er. Pradeep S. Kulkarni. The first session of workshop commenced from 23rd to 27th January 2016 for basics. In the next session the design of Steel Structure were covered. Nearly about 70 students from TE and BE Civil Class participated in it.



Electronics Department

Work shop on PCB Design

Department has organized Two days workshop on PCB Design for BE Electronics students by S. K. Electronics, director of S. K. Electronics Kolhapur. From this workshop students got knowledge about Schematic work and practical knowledge about PCB Design. At the time of workshop students developed their own PCB. Total 70 students from SE, TE and BE Electronics participated in this workshop.

Workshop on 'Designing of Quad copter'

A Workshop on "Designing of Quad copter", The Unmanned Ariel Vehicle" by ARK Tech Mumbai, in association with IIT Madras Under e-Yantra National Mission on Education through ICT (MHRD, Govt of India) IIT Mumbai held on 25th & 26th Jan 2016. Resource person Mr. Manan Mehta Sr. Research Engineer & Mr. Bhushan Gandhi, Research Engineer from ARK Tech Mumbai Conducted the workshop. Around 25 Students were selected for Final round of National Championship (NRC / NADC / IBCC / Robo Junior) to be held at IIT Mumbai.



Chemical Department

'Crowed Pitch' a students' Activity

Crowed Pitch a student's activity conducted on 13th Feb 2016 through ChESA in Around 43 Students participated to present their ideas to the audience. This function was adjudicated by Mr. T. S. Jagnam & Mr. P. D. Kulkarni in the presence of Chemical Department H.O.D., Staff members & students.

Guest lecture on MPSC Awareness

An Awareness programme on MPSC by Mr. Abhaysinh Mohite (Deputy Collector), first rank in General MPSC-2014 was organised by Career Development Cell on 12th February 2016. He guided the students about the significance of MPSC after completion of Engineering and various opportunities in MPSC. While discussing he gave an overlook on preparation for various MPSC Exams. A large number of students got the benefit of this lecture. Mr. S. V. Lingaraju, co-ordinated the event.



Workshop on PLC and Automation

A four days workshop was arranged for BE & TE Mechanical Students from 9th to 12th Feb 2016 on basics of PLC and its use in automation. An expert trainer from Gawade Electricals, Nashik, was the resource person who conducted the workshop for more than 50 students and at the successful completion students were felicitated and awarded with the certificates. The program was coordinated by Mr. S.H. Patil, Mr. V. N. Mane and Dr. A. S. Todkar

Training & Placement Cell

Total No. of students placed by the Institution through its Placement Cell (Discipline-Wise)

Year	Branch	No. of Students Passed Out	No. of Companies visited	No. of students placed through Placement Cell
2015-16	Chemical Engineering	68	25	25
	Mechanical Engineering	198	50	65
	Electronics Engineering	80	35	35
	Computer Sc. & Engineering	191	42	76
	Information Technology	34	7	07
	Civil Engineering	174	3	03
	Biotechnology	14	3	03
Total		759	193	204

Journal Publications by Faculty

Sr. No.	Name of the Faculty & Details of the Paper
1	Dr. S. V. Anekar, K.I. Patil, 'Experimental Study of Stability of Emulsion', RAST-2k16, 2nd National Conference, 17-18 Feb 2016, ISBN No. 978-93-83046-31-7,
2	S S. Joshi, Sunil B. Zanje, Arjun N. Kokare, "Development of a reliable analytical method for the precise extractive spectrophotometric determination of osmium (VIII) with 2-nitrobenzaldehydethiocarbohydrazone: Analysis of alloys and real sample" in 'Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy', ELSEVIER 169 (2016) pp. 223-229. S S Joshi, G. S. Kambale, Mansing A. Anuse, "Synergistic Liquid-liquid extraction and spectrophotometric determination of Nickel (II) from Foundry waste water by using Chromogenic Ligand" in DAE-BRNS SESTEC-2016; Chromatography electrochemical and Pyrochemiocal Separations, IIT Guwahati, India, May, 2016

Sr. No.	Name of the Faculty & Details of the Paper
3	N. S. Hanamapure, Design Development and Application of 3-Dimensional SCHATZ Geometry Kinematic Linkage for 3-D Motion Mixer Machine, International Journal of Engineering Science & Research Technology, , 5.(1): January, 2016, ISSN: 2277-9655, pp 14- 21
	N. S. Hanamapure, 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), Volume 4 Issue 12, December 2015, ISSN (Online): 2319-7064, pp 2043- 2046
	N. S. Hanamapure, Optimization Parameters multieffect Evaporator used in the design for the dye industry, International Journal of Science Technology & Engineering Volume 2 Issue 10 April 2016 ISSN (online): 2349-784X, PP -1056-1059
	N. S. Hanamapure, Development of rotary weeder with flex fine harrow for vegetable farming sector, International Journal for Science and Advance Research In Technology, Volume 1 Issue 12, DECEMBER 2015, ISSN [ONLINE]:2395-1052, PP- 295-297
	N. S. Hanamapure, Design Development and Application of 3-Dimensional SCHATZ Geometry Kinematic Linkage for 3-D Motion Mixer Machine, International Journal of Engineering Science & Research Technology, , 5.(1): January, 2016, ISSN: 2277-9655, pp 14- 21
4	S.A. Desai, P.B. Dehankar, 'Design and Modeling of Distillation Column', 6th NCETETA -2016, ISBN No. 978-81-920561-8-0, D.Y. Patil, Kolhapur, 30 Jan 2016.
5	S.S. Patil " Designing a Low Cost Autonomous Car for collision Prevention with Vehicle Tracking and Interconnection between Cars" in international journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 4, Issue III, March 2016, ISSN : 2321 - 9653 ISSN Impact Factor: 5.011
	S.S. Patil "Artery and Vein Classification in Retinal Images Using Graph Based Approach" International Journal Of Research Publications In Engineering And Technology [IJRPET] ISSN: 2454-7875 VOLUME 2, ISSUE 4, April -2016
	S.S. Patil "A low cost E-Billing and supply control using Power Line Communication" International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056, p-ISSN:2395-0072 Vol. 2 Issue 3, June-2015, pp: (437-440), Impact Factor: 4.43, Available online at: www.irjet.net
6	B.T. Salokhe, A smart data Acquisition system for Autonomous platforms" conference on Mechanical ,Civil, Electronics and Communication and Computer science Engg.(ICMCECE16),Bangalore Technological Institute, PP 35, April 2016, ISBN-978-9385973-77-2
	B.T. Salokhe, Graphical user Interface for Autonomous surface Vehicles" International journal of Advanced Research(2016)
7	V.A. Bhosale, 'Simulation Study of Reactive Distillation Column for the Production of Methyl Oleate', Jan 2016, IRJET, ISSN No. 2395-0056, Vol-2, Issue-9, pp-1924-1927
8	A.S. Mali, "Dairy Purpose System for Measurement of Milk Parameters in Low cost with Billing". International Journal of Software & Hardware Research Engineering. ISSN No. 2347-4890, Volume 3, Issue 9, Month - September 2015. Impact Factor: 2.669, Page No. 56-59.
	A.S. Mali, "Implementation of Process Scheduling Strategies of Operating Systems Using FPGA". International Journal of Latest Technology in Engineering Management and Applied Science. ISSN: 2278-2540, Volume 3, Issue 12, Month - December 2014, ISRA Impact Factor: 1.356 Pages No. 25-30.
	A.S. Mali, "Implementation of Green House Environment Controlling and Monitoring System Based on Android Mobile Platform". International Journal of Advanced and Innovative Research. ISSN: 2278-7844, Volume 05, Issue 02, Month- February, 2016. Impact Factor: 0.349, Page No. 52-55.
	A.S. Mali, "Monitoring the milk Parameters and Health of the Cattle from A Remote Location". International Journal of Advanced Technology in Engineering and Sience. ISSN: 2348-7550, Volume 04, Special Issue 01, Month- March, 2016. Impact Factor: 2.870, Page No. 136-140.
	A.S. Mali, "Monitoring the milk Parameters and Health of the Cattle from A Remote Location". International Conference on Recent Innovations in Engineering and Management (ICRIEM-2016). Held on 23rd March 2016 at Dhananjay Mahadik Group of Institutions (BIMAT), Kolhapur, Maharashtra, India.
	A.S. Mali, "A Review of Automatic Detection of Micro Aneurysm and Diabetic retinopathy Grading in Fundus Retinal Images". International Journal of Research Publications in Engineering and Technology. ISSN: 2454-7875, Volume 02, Issue 04, Month-April, 2016. Impact Factor: 2.785, Page No. 01-03.

Sr. No.	Name of the Faculty & Details of the Paper
8	A.S. Mali, "Automatic Detection of Micro Aneurysm and Diabetic retinopathy Grading in Fundus Retinal Images". International Journal of Research Publications in Engineering and Technology. ISSN: 2454-7875, Volume 02, Issue 06, Month- June, 2016. Impact Factor: 2.785, Page No. 01-04.
9	P.J. Patil, 'Alternative way to Reactive Distillation for the Production of Ethylacetate & Phase equilibrium', March 2016, IJESC, ISSN No. 2321-336, Vol-6, Issue-4, pp-4745-4750.
10	V.N. Mane, Productivity Improvement of Lathe Machine by Using Hydraulic Tailstock in ABC Industry, International Journal for Science and Advance Research In Technology, Vol. 1, Issue 12, Dec 2015, ISSN [Online] : 2395-1052, pp. 179-183
11	N.S. Dharashivkar, Review on Design and Analysis of Hybrid Drive Shaft Design and CFD analysis for impeller of Centrifugal Pump, International Journal of Scientific Research and Management Studies (IJSRMS), Volume 2 Issue 9, ISSN: 2349-3771, pp. 372-376 N.S. Dharashivkar, Review on Design and Analysis of Hybrid Drive Shaft, International Journal of Emerging Technology and Innovative Engineering, Volume 2, Issue 4, April 2016 (ISSN: 2394 - 6598), pp.264-268
12	P.B. Dehankar, 'Modeling and Experimentation on DPHE to Study Temperature Deviation Along With Passive Heat Transfer Augmentation Technique,' (Proceeding in SCOPUS), Int. J. Chem. Sci, ISSN - 0972-768X, Vol - 14, Issue - 3 P.B. Dehankar, S.A.Desai, V.A.Bhosale, N.S.Patil "Assessment of Reactive Separation Processes for Distillation & Extraction as a Review Study", 6th NCETETA-2016, ISBN No. 978-81-920561-8-0, DYPatil, 30 Jan 2016. P.B. Dehankar, 'Hydrocarbon Feedstock from castor oil', 2nd NCRAS 2k16, FAMT, Ratnagiri, 17-18 Feb 2016, ISBN No. 978-93-83046-31-7, pp. 350-353.
13	S. S. Mahadik, Review on Equipment Performance Enhancement of Sugar Plant, Imperial Journal of Interdisciplinary Research (IJIR), Vol-2, Issue-7, June 2016 ISSN: 2454-1362, pp. 209-2018
14	Ravindranath G. Kshirsagar, Current Research Trends in Modification/Interaction of Halloysite nanotube filled polymer blends and its composites: A Review, International Journal of Science and Research (IJSR), Volume 4 Issue 11, November 2015, ISSN (Online): 2319-7064, pp
15	Prof C.J. Harsha, Published paper on "Number Plate Detection of Moving Vehicle by Image Processing" in IJARCCCE 2016. Vol: 5 Issue: 4 ISSN/ ISBN 2278-1021
16	Swapnil S. Matsagar, Number Plate Detection of Moving Vehicle by Image Processing, International Journal of Advanced Research in Computer and Communication Engineering, Volume 5, Issue 4, April 2016
17	Sachin A. Urabanahatti, Network security issues in IVC, IJAREST, Volume 3, Issue 5, May 2016

Student Achievements

- ▶ Mr.Sumantraj Deshpande and Mr. Shivanand Sawalagi secured **1st Prize** in JIDNYASA 2K16 in Industrial Problem Solver competition held at TKIET, Warananagar on 3rd March 2016.
- ▶ Ms. Nikita Birajdar and Ms. Sae Ghatage secured **1st Prize** in Techno Battle debate competition on 09th February 2016 held at TKIET, Warananagar.
- ▶ Mr. Swapnil Deshmukh **1st Rank** in (Event BE Entrepreneur) CROWD PITCH by TKIET Chemical dept.
- ▶ Mr. Ketan Chavan got **1st prize** in Solid Modeling competition organized by DKTE, Ichalkaranji on 13 Feb. 2016.
- ▶ Mr.Vinayak Mohite received **1st prize** in Bodybuilding 2K16 competition organized by DKTE, Ichalkaranji on 13 Feb. 2016.
- ▶ Mr. Sriraj Jadhav got **1st prize** in the Mock drive of NASCNT2K16, held at TKIET, Warananagar on 16 Feb. 2016.
- ▶ Mr. Shubham Latke secured **1st prize** in Race to win NIRMITI 2K16 competition organized by PVPIT Budhagaon on 21 Feb. 2016.
- ▶ Ms.Shoukiya Shaikh and Ms. Shahin Sutar secured **1st Prize** in Brain Booster competition on 09th February 2016 held at TKIET, Warananagar.
- ▶ Mr. Chavan Tanmay secured **1st prize** in Youth Leader SPEEDER 2K16 competition organized by TKIET Warananagar on 29 Feb. 2016.
- ▶ Mr.Vaibhav Powar got **1st Rank** (Event Virtual Investor) CROWD PITCH organized by TKIET Chemical dept.
- ▶ Mr.Sreyas Shirke received **1st prize** in Galaxy 2K15- RoboRace held at WCE, sangli on 12 March 2016