



Nashik District Maratha Vidya Prasarak Samaj's

Karmaveer Adv. Baburao Ganpatrao Thakare

COLLEGE OF ENGINEERING

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KBT COE NEWS LETTER

The NDMVPS's K.B.T. College of Engineering, Nashik has been serving the society larger since 1999. At present the college provides four year courses leading to Bachelor's Degree of Savitribai Phule Pune University in Mechanical Engineering, Computer Engineering, Instrumentation and Control Engineering, Electronics and Telecommunication Engineering, Civil Engineering, Information Technology along with post graduate courses in MBA, MCA, ME Mechanical (Design Engineering) and ME Civil (Construction Management).

The purpose of this Newsletter is to provide information to the student-staff fraternity of Nashik and society at large of the news, including relevant announcements and updates that we believe are important to them. However, this newsletter is also a valuable tool for bolstering morale, promoting unity, team spirit, motivating and rewarding achievements of KBT COE, Nashik. This college News-Letter has been started from January 2017 and latest issue will be available on the college website: www.kbtcoe.org

Vision, Mission and Objectives of the Institute :

Vision

To be Internationally accredited, Multidisciplinary, and Multi-collaborative institute working on technology enabled platform fostering innovations and patents through state-of-art academic system designed by highly qualified faculty for the development of common masses at large

Mission

To educate and train common masses through undergraduate, post graduate, research programs by inculcating the values for discipline, quality, transparency and foster career and professional development for employment thereby contributing to the development of society

Objectives

- To develop technically-sound engineers by engaging the students in progressive technical education and to promote students for academic growth by offering state-of-the-art undergraduate, postgraduate programmes.
- To undertake collaborative projects which offer opportunities for long-term interaction with society, academia and industry.

1. An Interactive Session with Students by Mrs. Supriya Sule (Hon. MP) (13/10/2017)

The KBT COE is a proactive institute especially with the issues related to student welfare. An interactive session was organized for students on 13/10/2017. The objective of this session was to obtain the suggestions from the students in regards with upgradation of existing education system. Hon. Member of Parliament, Mrs. Supriya Sule was invited to address this session. During the session, she discussed the importance of education system in building the career of students and development of nation at large. She invited various suggestions from students and promised them to raise in the parliamentary session. For this program Ms. Amruta Pawar (Member, ZP), Shri. Nana Mahale (Director, MVP Samaj), Mr. Sachin Pingale (Director, MVP Samaj), Dr. N. S. Patil (Education Officer, MVP Samaj) and Dr. K. S. Holkar (Principal) were present.

Few glimpses of the program are:



Saraswati Poojan



Felicitation of Mrs. Supriya Sule (Hon. MP) by Shri. Nana Mahale (Director, MVP Samaj)



On the dais (from left) Mr. Sachin Pingle (Director, MVP Samaj), Shri. Nana Mahale (Director, MVP Samaj), Dr. K. S. Holkar (Principal), Mrs. Supriya Sule (Hon. MP), Ms. Amruta Pawar (Member, ZP), Dr. N. S. Patil (Education Officer, MVP Samaj)



Students interacting with Hon. MP Mrs. Supriya Sule

2. Workshops and Seminars

Department of Instrumentation and Control Engineering & Electronics and Telecommunication Engineering

▪ Workshop on Industrial Automation (6/10/2017 To 10/10/2017)

Department of Instrumentation and Control engineering conducted a four days workshop on Industrial Automation and PLC for the students of Electronics and Telecommunication Engineering. During the hands on training on PLC systems, PLC Projects assignments were executed in first 2 Days and in remaining 2 days, training on SCADA systems was given. Also the opportunity to interface the PLC and SCADA system was provided to the participants. Training was conducted by Ms. S.D. Tidame. It was a great exposure for students to perform the interfacing of SCADA and PLC. 22 participating students were benefitted by this workshop.



Ms. S. D. Tidame and students during the workshop

Department of Computer Engineering

▪ Workshop on FDP 201x – “ Pedagogy for Online and Blended Teaching –Learning Process “ by IIT Bombay (14/09/2017 To 12/10/2017)

Department of Computer Engineering along with IIT Bombay organized a Faculty development Program on “Pedagogy for Online

and Blended Teaching –Learning Process”. This FDP was only for the faculties who successfully completed the FDP101x. The course was designed as a blended MOOC (Massive Open Online Course) that included pedagogy of Active Learning consisting of concepts like Think – Pair – Share, Peer Interaction, and Flipped Classroom. It also emphasized the participation of the faculty in collaborative community involved in Open Education Resource (OER) creation and dissemination. Dr. V. S. Pawar (HoD) and Ms. S. V. Pawar (Coordinator) took the efforts for organizing the FDP.



Participants of FDP along with Dr. K. S. Holkar (Principal) and Dr. V. S. Pawar (HoD)

▪ Seminar on Habit Mastery by Mr. Veer Vijay Singh (05/10/2017)

Department of Computer Engineering organized a seminar of Mr. Veer Vijay Singh, India's Foremost Habit and Passion Coach and Author of the Top Seller "NO! This Book Won't Change Your Life" for the students. He interacted with the students by specifying his personal example for developing and changing habits. He motivated the students for developing the habits of learning and studying to achieve their career goals. Students enthusiastically responded to his activities during the seminar. Dr. V. S. Pawar (HoD) and

Mr. B. S. Gholap took efforts for organizing the seminar.



Mr. Veer Vijay Singh addressing the students

3. Industrial Visits

Department of Instrumentation and Control Engineering

- **Water Treatment Plant, Nilgiri Baug, Nashik (14/10/2017)**

Water is the basic need for survival of each creature on the earth hence understanding water treatment process is very important for everyone. Keeping this in view, Department of Instrumentation and Control Engineering organized an Industrial visit to water treatment plant, Nilgiri Baug, Nashik, for final year engineering students on 14/10/2017. Mr. Suryawnshi, (Chemist at water treatment plant) explained the various stages of water purification. He also explained chlorination, aeration, flocculation, sedimentation and filtration process practically and also explained the design process of water treatment plant. Working of pumps, valves was shown to the students. Students learnt the working of PH meter, Turbidity meter and how these instruments measure the various parameters of water.



Staff and students of the department during the visit

- **Traffic Education Park (09/10/2017)**

26 students of SE Instrumentation and Control Engineering visited to Traffic Park in Nashik. The students interacted with Mr. Kulkarni and Mr. Dhumal about casualties that are caused due to road accidents.



Staff and students of the department during the visit

Students made aware of mistakes that drivers usually commit which result in road accidents. Students were also given the safe driving tips. They were shown videos to better understand the concept and rules and regulations.

▪ **RAP (Analytical and Research and Training Center) (07/10/2017)**

Analytical Instrumentation offers a powerful qualitative and quantitative technique for the analysis in pharmaceutical, chemical, clinical, food processing and oil refineries. Keeping this in view department of Instrumentation and Control Engineering organized an industrial visit to RAP (Analytical and Research Training center) Nasik on 07/10/2017 for third year Instrumentation and Control Engineering students. Mr Rohan Pawar (Pharmaceutical Analyst Sheffield, UK) provided training to the students in RAP Center. Students performed practical on Gas Chromatography and learnt the operation and maintaining of gas chromatography which was very well explained by Mr. Rohan Pawar.



Staff and students of the department during the visit to RAP

Sample for testing taken was acetone and ketone. He also explained how Analytical Instrumentation plays a vital role in monitoring and control of environment pollution due to integration of microcontroller and personal computer. Total 25 students took the benefit of the visit.

▪ **Orion Electronics (05/10/2017)**

Second Year Instrumentation and Control Engineering students visited Orion Electronics Nashik on 5th October 2017. Students saw novel instruments like Cut to length machine, arc length controller, spindle centering device, breath controller and novel sensor for detecting distance in X and Y axis. Director, Mr. Bhide motivated students to be an entrepreneur. The fact that Mr. Bhide started his own business at very young age inspired the present students.



Staff and students of the department during the visit

Department of Electronics and Telecommunication Engineering

▪ **Raja Plastic Industry (10/10/2017)**

"Raja Plastic Industry", is one of the renowned manufacturers, wholesalers, and exporters of a wide collection of plastic molding Testing & Measuring Instruments since 1970. These offered products are admired in the market for their perfect quality, high strength, long service life, accurate dimension and high performance. With intent to provide practical exposure, Department of Electronics and Telecommunication organized an industrial visit to Raja Plastic Industry on 08/10/2017 through department's Renewable Energy Club. The staff and students of E & TC Department took the benefit of the visit.



Staff and Students of the department during visit to Raja Plastic Industry

Department of MBA

▪ Sahyadri Farms, Mohadi (09/10/2017)

With intent to provide the practical knowledge of operations of Farmers cooperative company to the students, the Department of MBA organized an industrial visit to Sahyadri Farmers Producer Company at Mohadi, on 09/10/2017. Mr. Tushar Nandgaonkar (Marketing Head, Sahyadri Farms) introduced the organization and explained how Mr. Vilas Shinde (Founder, Sahyadri Farms) founded the company and working for the welfare of the farmers at large. Students also got an opportunity to meet and interact with Mr. Vilas Shinde (Founder, Sahyadri Farms). He guided the students regarding the challenges an entrepreneur faces. He also motivated the students to go for their own start-ups rather than being a job seeker. The 60 students from MBA-Ist year benefitted from this visit.



Staff and students of the department during the visit

4. Expert Talks/Lectures

Department of Instrumentation and Control Engineering

“Role of Technicians in Automation Industry” by Mr. Radheshyam Daga (31/10/2017)

Technical Assistant (Technicians) plays a very vital role in Technical Institutes regarding laboratory sessions, maintenance of equipments etc. Technical Assistants needs to upgrad, there is a need to have periodic interactions to learn recent happenings in the industries. Keeping this in view Department of Instrumentation & Control Engineering organized an expert talk of Mr. Radheshyam Daga, (Project Manager, Goodrich Maritime Private Limited, Mumbai) on 31/10/2017 for technicians of Instrumentation & Control Engineering Department.



Mr. Radheshyam Daga during his interaction with technicians

Mr. Radheshyam advised them to spend more time in laboratory and show devotion for all activities of laboratory. Technicians must keep them updated in their respective fields. He also suggested for active involvement in solving the problems faced by the students during the lab sessions.

▪ “New Challenges in Automation Projects” by Mr. Prakash Shelar (30/10/2017)

With the keen intention of minimizing the gap between the Industrial Practices and Classroom teaching, Instrumentation and Control Engineering department organized an expert lecture on “New Challenges in Automation Projects” by Mr. Prakash Shelar (Project Manager, Fox Solutions, Nashik) on 30/10/2017 for all the teaching, non teaching faculties of Instrumentation and Control Engineering Department. Mr. Prakash focused on innovative teaching methods. He said that, teacher should be proactive, self directed, goal oriented. He suggested that Demonstration, Group discussion, Animations and Simulations should be inculcated in the classroom while teaching. All faculties have enjoyed the session with full interactions. Total 10 faculties were benefitted from the session.



Mr. Prakash Shelar (Project Manager, Fox Solutions, Nashik) addressing the faculty of the department

▪ “Professional development of Faculty” by Mr. Aniruddha Sanvatsare (26/10/2017)

With the keen intention of understanding the industrial requirement regarding development of staff members in education

sector, Instrumentation and Control Engineering Department organized an expert lecture on “Professional development of faculty” by Mr. Aniruddha Sanvatsare (Director, Shree Harsh Electronics, Ambad, Nashik) on 26/10/2017 for all the teaching, non teaching faculties of Instrumentation and Control Engineering Department. Mr. Aniruddha focused on design of transformer, power supply design aspects, controller optimization design etc. using one controller in matrix form instead of four controllers.



Mr. Aniruddha addressing the faculty

Mr. Aniruddha also suggested to visit <http://www.pi.com> website regarding SMPS IC design and gave valuable knowledge on how to utilize mobile phone extra memory and open the contacts in text editor. Total 10 faculties were benefitted from the session.

▪ Graphics in C Programming by Mr. S. P. Jadhav (09/10/2017)

Industry always expects students to be master in at least two software languages after their completion of graduation. The Instrumentation and Control Engineering department organized an expert lecture on

Graphics in C Programming for second year students on 09/10/2017. Mr. Santosh Pandurang Jadhav (Assistant Professor, Department of IT) addressed the session. In this session he explained graphic, role of graphics and graphic programming commands. Graphics programming was performed on “how to create a tank, color a tank and how to fill the tank with water. The Program was run in Turbo C. Students followed the instructions, wrote the codes in C Programming and the graphics was successfully run by every students. After the session, students realized the importance of C Programming in Animation field. Students asked various questions to perform similar type of other graphic programs.



Mr. S. P. Jadhav addressing the students

▪ **Inquisitive Mind 2017 Test Activity Based Learning (05/10/2017)**

Teachers are always trying to share their technical knowledge through novel ways. Students also expect some extra additional knowledge cum activity in non technical form along with technical knowledge. Keeping this in view, Department of Instrumentation & Control engineering organized Inquisitive Minds 2017 Test Session for third year students on 05/10/17. The session was carried out by the experts from Career Launcher and executed by

Mr. H. V. Patil (Associate Professor, E&TC Department). Inquisitive test involves solving Aptitude questions from students in stipulated time with the aim to prepare them for the campus drive. Time allotted for the test was 45 minutes. 50 questions were asked. After the session, students realized the level of aptitude questions being asked in campus drive & expressed their willingness for participation in such kind of activities. Students clearing the test would be qualified for the series higher level test. Total 20 students took the benefit of the event.



Students of the department during the test

▪ **Expert Talk in LoGMIEER Nashik on Industrial Automation (03/10/2017)**

Instrumentation and Control Engineering plays a vital role in detecting, maintaining & controlling the various parameters in Industry, right from sensing part to signal conditioning display, telemetry, data acquisition and recorders. To get detailed knowledge of role of instrumentation in automobile industry, Department of Instrumentation & Control Engineering conducted an expert talk on Industrial automation and PLC for students of Electronics and Telecommunication and Electrical Engineering students at KVN Naik

LoGMIEER Nashik. Expert talk was conducted by Ms. S. D. Tidame and Ms. A. K. Patil.



Ms. S. D. Tidame addressing the students in KVN Naik LoGMIEER

5. Staff Achievements

Department of Instrumentation and Control Engineering

- Participation in IFAC-ACDOS International Conference at IISc Bangalore by Dr. N. S. Patil (09/09/2017)**
 Automatic Control and Dynamic Optimization Society (ACDOS) was established with a noble objective of promoting automatic control and dynamic optimization discipline in academia and industry across India and world. The society aims to host international conferences, symposiums and technical workshops in India regularly in order to promote close interaction between industry and academia. ACDOS is a proud National Member Organization (NMO) of International Federation of Automatic Control (IFAC), which has its presence in 49 countries worldwide with a mission to promote the science and technology of automatic control through technical meetings, publications and other means. Dr. N. S. Patil (Professor & Education Officer, MVP Samaj) and Final Year Student Ms. Shweta B. Gunjal of the Department participated in this prestigious International Conference entitled “Advanced

and Success Stories of Robust and Adaptive Control” during 8th and 9th September 2017. The Conference was hosted by the Department of Aerospace Engineering, Indian Institute of Science Bangalore. Many experts across the globe have presented their recent contributions on this platform.



Dr. N. S. Patil (Professor and Education Officer, MVP Samaj) along with other participants

6. Sports

Department of Instrumentation and Control Engineering

- ICON Cup 2017 Prize Distribution (10/10/2017)**

On the occasion of Engineer’s day, Department of Instrumentation and Control Engineering inaugurated the ICON Sports activities (Cricket, Basketball, Volleyball, Mix box cricket & football) at college level of which the prize distribution ceremony took place on 10/10/2017. International athlete Ms. Monika Athre was chief guest for the program. Ms Monika distributed the trophies to the winning teams. Mechanical Engineering department won the Football, volleyball & cricket matches, while Civil engineering department won the basketball & mix cricket

matches. Chief Guest emphasized on how sports play an important role in everyone's life. She narrated her daily schedule of exercise & job, which motivated students in a right way.



Dr. K. S. Holkar (Principal) felicitating Ms. Monika Athre (International Athlete)



Dr. K. S. Holkar (Principal), Ms. Monika Athre (International Athlete), Dr. B. B. Musmade (HoD) Dr. Kare (Physical Director) along with winning team captains

Student coordinators of various events were also felicitated for conducting the event successfully. Students enjoyed this activity a lot. Dr. K. S. Holkar (Principal) and Dr. B. B. Musmade (HoD) motivated students by sharing their experiences.

7. Other Activities

Department of Information Technology

▪ “Vaachan Din” Celebration (25/10/2017)

The birth anniversary of Dr. A. P. J. Abdul Kalam is celebrated as “Vaachan Din”. The Department of Information Technology celebrated “Vaachan Din” on 25th October 2017. The main aim of this celebration was to inspire students through Dr. Kalam's distinguished life and to inculcate habit of reading among them. This event was organized by ITSA Members of IT Department in collaboration with Departmental Library. On this occasion Dr. V. R. Sonawane (HoD), faculty and students of IT department were present.



Students of the department celebration the Vaachan Din

Department of Instrumentation and Control Engineering

▪ Donation by Dr. A. R. Kulkarni (23/10/2017)

Dr. A. R. Kulkarni donated the latest state-of-art Multimeter [MM66 Multimeter 60XX Series] worth of Rs. 17,500/- to the Instrumentation and Control Engineering Department. It is most valued donation along with calibration report, CD and user manual to

the department. This instrument is very useful to the students and the department is thankful of his token of Love.



Donated Multimeter

Department of MBA

▪ Social Project: Project Divyang (25/09/2107 To 12/10/2017)

The Department of MBA has been carrying out social project, Project Divyang since 2014. It involves marketing of Candles prepared by visually challenged people working for Sunrise Candles Pvt. Ltd. in Dipawali Festival period. The Sunrise Candles Pvt. Ltd. is a company founded by Mr. Bhavesh Bhatiya (Visually Challenged Entrepreneur) and consisted of employees who are also visually challenged manufacturing more than 9000 types of scented and beautifully handcrafted candles. The students from the MBA Department marketed these candles in various corporate offices, institutes, events etc in Nashik.

This project not only helped students improve their managerial skills but also helped them learn entrepreneurial abilities such as leadership, understanding the market, consumer behaviour, fund management etc. The contribution generated this year went up to Rs.33,000/- (approx.) This activity is carried out under ED Cell of MBA Department.



MBA Department Students marketing the candles during the Project Divyang

कर्मवीर बाबुराव ठाकरे अभियांत्रिकी
 महाविद्यालयातर्फे दीपावली व पाडव्याच्या
 हार्दिक शुभेच्छा !

शुभेच्छुक

प्राचार्य, सर्व कर्मचारी व विद्यार्थीवर्ग

Dr. K. S. Holkar
Principal