**KBTCOE NEWS LETTER**

The NDMVPS's K.B.T. College of Engineering, Nashik has been serving the society since 1999. At present the college provides four year course 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, 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 Newsletter 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

**Nashik District Maratha Vidya Prasarak Samaj's**
**Karmaveer Adv. Baburao Ganpatrao Thakare**
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**TECHNICAL NEWS LETTER: DECEMBER 2017**

## 1. Training & Placement

**Department of Electronics & Telecommunication and Mechanical Engineering**

- **Mahindra Pride training on Soft Skills Development by Mr. Anirudh Telang and Mr. Yogesh Nikam (11th-15th December 2017)**

With the intention of developing skills in our final year students who will be out in the job market after a period of 4 months, Mahindra Pride School has taken an initiative to conduct a CSR activity in association with NAANDI for the B.E students of Electronics & Telecommunication and Mechanical Engineering Departments. Topics covered were interview skills, group discussion, mock interview, creating an effective power-point presentation, presentations skills, extempore speech, financial literacy, self-grooming, communication skills, value & behavior, overcoming obstacles and many fun interactive activities.



**Mr. Anirudh and Mr. Yogesh during the training session**

### Department of Computer Engineering

- **Zensar Employability Skill Development Program Phase–III (19th-30th December 2017)**

Computer Engineering Department in collaboration with Zensar has organized a training program for the employability skill development on Advanced Java. The training sessions were conducted by Mr. Essaki Yadav, faculty from Seed Infotech Mumbai. Selected students from Computer Engineering and IT Department of the KBTCOE, Matoshri College of Engineering and KKWIEER were participated in the program. The training included the Advanced Java topics like generic programming, sequential and associative data structures, classic data structures, sorting and searching, exception handling, database programming with JDBC, networking programming GUI development using Swing, Multithreading, Java Applets, web applications (Servlets).



**Hands on session during the Training Program**

## 2. Workshops/ Seminars/STTPs/FDPs

### Department of IT Engineering

- **Training Program on "Big Data Science" by ICT Academy (19th-30th December 2017)**

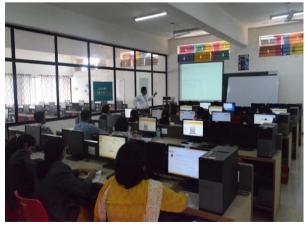Department of Information Technology organized one week ICT training program on "Big Data science" from 11th December to 15th December 2017. Faculties from IT and Computer department participated in this training. Also, faculties from various colleges were participated in this training program.

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**TECHNICAL NEWS LETTER: DECEMBER 2017**

Mr. S. Shanmughavel (Training Manager, Training & Research, ICT Academy) was the resource person for the training. He was keen to share his views on the theoretical and practical concepts like Big Data Analytics, Data Analytic Life Cycle, Basic Data Analytic methods using R, Analytics Theory/Methods. He has also explained how to analyze twitter, WatsApp data using R-programming.

In the valedictory function Dr. K. S. Holkar (Principal) took review of program. He stated the importance of Big Data in the fast growing world and insisted importance of such workshops. He congratulated the Department of IT for the initiative and motivated the department to conduct such workshops.


**Hands on session during the Training Program**


**Trainers and participants during the program**

## Department of Electronics & Telecommunication Engineering

- **National Level workshop on "Cognitive radio Techniques for 5G Wireless Communication (Project Based Learning)" (8th-10th December 2017)**

With the objectives to explore the recent trends in 5G key technologies and to carry out research, Department of Electronics and Telecommunication Engineering in association with PICT-NI LabVIEW Academy organized the AICTE funded national level workshop on " Cognitive radio Techniques for 5G Wireless Communication" on 8th - 10th December 2017. The participants of the workshop not only learnt application development in LABVIEW environment but also got hands on experience for project based learning.


**Participants during the hands on session of the workshop**

## Department of Computer Engineering

- **Big data Science and Analytics workshop (11th-15th December 2017)**

The Department of Computer Engineering organized Big data Science and Analytics workshop in association with ICT Academy as a part of train the trainers program. Eight staff members of department attended the workshop conducted from 11th - 15th December. In

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**TECHNICAL NEWS LETTER: DECEMBER 2017**

collaboration with ICT Academy, this workshop was held in the Department of IT.



**Dr. K. S. Holkar (Principal), Trainers and participants during valedictory function of the workshop**

- **Saptahaant Shikshak Prashikshan (SSP) on Introduction to Machine Learning (16th & 17th December 2017)**

The Computer Engineering Department in association with IIT Kharagpur organized a two days training program on Introduction to Machine Learning. The training sessions were conducted by Prof. Pawan Goyal and Prof. Sourangshu Bhattacharya from IIT Kharagpur. Faculty members from various colleges participated in this training program.



**Dr. K. S. Holkar (Principal), Trainers and participant staff of the training program**

Training program introduced Machine learning which is a subfield of artificial intelligence (AI) and focused on the different

methods like supervised learning and unsupervised learning, basic algorithms and classifiers along with the concepts of classification, estimation, regression, optimization used in machine learning. All the staff of Computer Engineering department took the benefit of the program.

## Workshops/Seminars/STTPs/FDPs attended by the staff (December 2017)

| Sr. No. | Name of Staff | Topic |
|---|---|---|
| **Department of IT Engineering** | | |
| 1 | Mr. S. P. Jadhav | Recent Trends in Internet of Things |
| 2 | Ms. D. R. Gatne | Trends in Design and Analysis of Algorithms with R-Programming |
| 3 | Mr. D. A. Birari | |
| 4 | Dr. V. R. Sonawane | Big Data Science |
| 5 | Mr. N. S. Ujgare | |
| 6 | Ms. J. R. Suryavanshi | |
| 7 | Ms. R. R. Tajanpure | |
| 8 | Ms. D. R. Gatne | |
| 9 | Ms. T. S. Pawar | |
| 10 | Ms. A. G. Khairnar | |
| 11 | Ms. A. D. Deore | |
| 12 | Ms. S. S. Bhamre | |
| 13 | Ms. B. A. Ahire | |
| **Department of MBA** | | |
| 1 | Dr. D. T. Khairnar | Supply Chain Management |
| 2 | Dr. S. R. Pachorkar | Brand Image & Equity |
| 3 | Mr. N. J. Salunke | Distribution Channel |
| 4 | Mr. L. C. Sontakke | New Product Development |
| 5 | Mr. S. V. Bachhav | Production Planning & Control |

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**TECHNICAL NEWS LETTER: DECEMBER 2017**

### Department of Electronics & Telecommunication Engineering

| Sr. No. | Name of Staff | Topic |
|---|---|---|
| 1 | Dr. V. M. Birari | Cognitive radio Techniques for 5G Wireless Communication (Project Based Learning) |
| 2 | Mr. A. R. Chaudhari | |
| 3 | Mr. V. P. Gawai | |
| 4 | Mr. A. P. Meshram | Concepts of Measuring Instruments |
| 5 | Ms. S. M. Jagtap | |
| 6 | Ms. S. M. Dharrao | |
| 7 | Mr. B. J. Pawar | Embedded system |
| 8 | Ms. D. V. Patil | |
| 9 | Ms. S. A. Dhumane | DSP Processor |
| | | Business Management |
| | | Advanced Processor |
| | | Embedded system |
| 10 | Mr. A. R. Chaudhari | Advanced Processor |
| | | Business Management |

### Department of Civil Engineering

| Sr. No. | Name of Staff | Topic |
|---|---|---|
| 1 | Mr. A. S. Patil | Project Management |
| 2 | Mr. B. M. Bhosale | Borelog Testing |
| 3 | Mr. A. M. Bhoi | E tabs software |
| 4 | Mr. R. V. Devalkar | Pre-engineered building (PEB) system |
| | | Fuzzy Logic |
| 5 | Mr. M. B. Patil | Jet grouting process at Takali Kalan Dam |
| 6 | Ms. M. C. Aher | Resource management |
| 7 | Mr. P. D. Aher | Implementation of ERP on site |
| 8 | Ms. K. R. Sonawane | Auto CAD |
| 9 | Ms. M. B. Murkute | |
| 10 | Mr. A. P. Shelorkar | Entrepreneurship |
| 11 | Mr. S. M. Waysal | Elementary course on experimental research |
| 12 | Dr. K. T. Patil | Outcome based pedagogic principles for effective teaching |
| 13 | Mr. S. J. Kadbhane | Hydro 2017 |

### Department of Instrumentation & Control Engineering

| Sr. No. | Name of Staff | Topic |
|---|---|---|
| 1 | Dr. B. B. Musmade | Recent Developments in Automation |
| 2 | Mr. S. B. Lukare | |
| 3 | Dr. A. R. Kulkarni | Request for Frequency (RFQ) and Automation of Assembly lines |
| 4 | Mr. V. A. Ahirrao | Interfacing of analog and digital sensors with Arduino microcontroller boards (Nano and Uno) and displaying parametric values |
| 5 | Mr. S. R. Patil | |
| 6 | Mr. S. D. Nikam | Z-Stick Gen5 Controller, Aeotec Multi Sensor, Nano Switch, Door / Window Sensor, Fibaro RGBW Controller, HomeGenie Software |
| 7 | Ms. V. P. Shinde | |
| 8 | Ms. S. H. Jadhav | Delta-V Operate Implementation-I for M-series Input output interface, Communication interfaces, M-series Controller and delta-V Operate, Commissioning the Controller and simulated Process |
| 9 | Mr. S. R. Pandit | Analytical Laboratory Equipments |

### Department of Mechanical Engineering

| Sr. No. | Name of Staff | Topic |
|---|---|---|
| 1 | Dr. S. P. Mogal | Manufacturing of PU foam seat & injection molding |
| 2 | Dr. A. B. Kakade | VMC, CNC manufacturing |
| 3 | Dr. V. C. Shewale | Manufacturing of PU, LD, HM, Polythene bass |

| Sr. No. | Name of Staff | Topic |
|---|---|---|
| 4 | Mr. Y. B. Chaudhary | Wheel balancing and wheel alignment technique |
| 5 | Dr. A. A. Kapse | Aircraft stealth technology |
| 6 | Mr. N. K. Kharate | Manufacturing, testing & installation of mechanical seats |
| 7 | Mr. S. Y. Pawar | Design & installation of central air conditioning system |
| 8 | Mr. M. S. Patil | Products-Cryogenic Containers |
| 9 | Mr. D. D. Kulkarni | Manufacturing structural steel from scrap |
| 10 | Mr. P. C. Shete | Manufacturing of PU foam seat & injection molding |
| 11 | Mr. R. B. Jagtap | Manufacturing all types of cartons & provides total packaging solutions |
| 12 | Mr. N. V. Lokare | Aircraft stealth technology |
| 13 | Mr. N. S. Gaikwad | Design & installation of central air conditioning system |
| 14 | Mr. V. V. Shinde | Industrial application & installation of solar system |
| 15 | Mr. S. J. Suryawanshi | Aircraft stealth technology |
| 16 | Mr. S. N. Palhe | Manufacturing of sugar |
| 17 | Mr. D. V. Kushare | Manufacturing of sugar |
| 18 | Mr. R. S. Thakare | Aircraft stealth technology |
| 19 | Mr. M. S. Gaidhani | Manufacturing structural steel from scrap |
| 20 | Mr. A. S. Mogal | Calibration and material testing |

| Sr. No. | Name of Staff | Topic |
|---|---|---|
| 21 | Mr. N. V. Kadam | Hydraulic press system for sheet metal |
| 22 | Mr. N. P. Magar | Coloring & painting process/gear box assembly |
| 23 | Mr. N. S. Bagal | Coloring & painting process/gear box assembly |
| 24 | Mr. R. M. Ghogare | Coloring & painting process/gear box assembly |
| 25 | Mr. P. C. Shete | Deputed to SVNIT, Surat (for PhD Course) |
| 25 | Mr. D. V. Kushare | |

**Department of Computer Engineering**

| Sr. No. | Name of Staff | Topic |
|---|---|---|
| 1 | Dr. V. S. Pawar | Big Data Science and Analytics And Introduction to Machine Learning |
| 2 | Ms. V. S. Tidake | |
| 3 | Mr. P. P. Shinde | |
| 4 | Ms. R. R. Shewale | |
| 5 | Mrs. R. P. Chandwadkar | |
| 6 | Ms. S. V. Pawar | |
| 7 | Ms. M. B. Thombare | |
| 8 | Mr. B. S. Gholap | |
| 9 | Mr. B. S. Tarle | Soft Skills and Life skills |
| | | Research Methodology |
| | | Introduction to Machine Learning |
| 10 | Mr. S. A. Talekar | Machine Learning using python |
| 11 | Mr. S. T. Datir | Web Technology |
| | | Introduction to Machine Learning |
| 12 | Ms. P. V. Shinde | Introduction to Machine Learning |
| 13 | Ms. P. P. Boraste | |
| 14 | Ms. M. V. Malode | |

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**TECHNICAL NEWS LETTER: DECEMBER 2017**

# 3. Industrial Visits

## Department of Instrumentation & Control Engineering

- **Uran Gas Turbine Power Station and Khandalgaon Substation (27th & 28th December 2017)**

The Department of Instrumentation and Control Engineering has arranged an industrial visit to Uran Gas Turbine Power Station and Khandalgaon Substation for B. E. students on 27th-28th December respectively. The Uran Gas Turbine Power Station is a gas-based turbine power plant located at Uran in Raigad district, Maharashtra. The power plant is operated by the Maharashtra State Power Generation Company (Mahagenco). It has generation capacity of 672 MW. Ms. Heena Balaggan (Executive Engineer) has given the presentation of plant activities. A technical interaction session on power production strategy with Mr. Mithilesh S. Jha (Additional Chief Engineer) was arranged. On 28th December, a visit was scheduled to 220/240-KV Khandalgaon substation at Mangaon. Mr. Paresh Pawar, Executive Engineer explained various plant activities. He also gave an overview of SCADA for remote supervision and control. Total 38 students took the benefit of the visit.



**Staff and students of the department during the visit**

# 4. Expert Talks/Lectures

## Department of Instrumentation and Control Engineering

- **Expert Lecture by Dr. Ajinkya Patil (30/12/2017)**

Department of Instrumentation & Control engineering organized an expert talk on the topic "Success story from childhood to Netherland" on 30/12/2017. Dr. Ajinkya Patil (Design Engineer, ASML, Netherland) was the resource person for the session. He narrated the fundamentals, vision, and struggle during his junior college. He has given a brief insight of the challenges he faced during his graduation in IIT Kharagpur. He motivated students by sharing on admission to PhD in Astronomy in Netherland after his graduation. He explained the working of lithography, challenges and their solutions. According to Dr. Ajinkya, Indian education system lags in critical thinking and technical discussion hence reforms are needed. Students of the department enjoyed this interactive session.



**Dr. K. S. Holkar (Principal) felicitating Dr. Ajinkya Patil along with Dr. B. B. Musmade (HoD)**

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TECHNICAL NEWS LETTER: DECEMBER 2017

## 5. Technical Activities

### Department of Information Technology

- **ICT Academy Inauguration Function (11/12/2017)**

With intent to enhance knowledge of faculties and students on latest technology, the institute has become a member of ICT academy (Information and Communication Technology Academy, a Government undertaking). Inauguration function of ICT Academy was held on 11th December 2017. Mr. Harikara Balasubramanian (State Head Maharashtra, ICT Academy) was Guest of Honor of the inauguration function.

Mr. S. Shanmughavel (Training Manager, Training & Research, ICT Academy), Mr. Sachin Pingle (Director, MVP Samaj), Dr. N. S. Patil (Educational Officer, MVP Samaj), Dr. K. S. Holkar (Principal) along with staff members of the institute were present for the function.



**Handover of MVP-ICT membership Certificate to Mr. Sachin Pingle (Director, MVP Samaj), Dr. N. S. Patil (Education Officer, MVP Samaj), Dr. K. S. Holkar (Principal)**

Mr. Harikara Balasubramanian and Mr. S. Shanmughavel were felicitated by Mr. Sachin Pingle (Director, MVP Samaj). Dr. K. S. Holkar (Principal) welcomed and addressed the audience, regarding necessity of dealing with the new technologies. Mr. Harikara Balasubramanian handed over MVP-ICT membership certificate to Mr. Sachin Pingle (Director, MVP Samaj), Dr. N. S. Patil (Education Officer, MVP Samaj) & Dr. K. S. Holkar (Principal). He excellently focused and explained the aims and objectives of ICT Academy. Training Speaker Mr. S. Shanmughavel also addressed the audience. Mr. Sachin Pingle motivated the staff and congratulated the institute for organizing such program.

## 6. Orientation Program (19/12/2017)

The institute has organized an orientation program for final year students on 19th December 2017. This program was conducted in two sessions. First session was for Department of E&TC, Mechanical, and Instrumentation & Control Engineering Students. The second session was for students of IT, Computer and Civil department. Objective of this orientation program was to provide career guidance to the final year students.

Dr. K. S. Holkar (Principal) welcomed the students for new semester and discussed the action plans for their last semester, facilities, placements scenario and opportunities for the engineering graduates. The main focus was on expectations, need, curricular requirements and extra-curricular activities. He insisted that the students to keep up with latest technology requirements. Dr. M. P. Kadam (HoD, Civil),

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**TECHNICAL NEWS LETTER: DECEMBER 2017**

Dr. V. S. Pawar (HoD, Computer) and student representatives also shared their views.


**Dr. K. S. Holkar (Principal) addressing the final year students along with Dr. M. P. Kadam (HoD) & Dr. V. S. Pawar (HoD)**


**Staff and students during orientation program**

## 7. Student Achievements

**Department of Electronics & Telecommunication Engineering**
- **Participation of Mr. Shekhar Vinayak Lokare  in Career Launcher Program at Mumbai**


**Felicitation of Mr. Shekhar during the program**

Mr. Shekhar Vinayak Lokare (TE-E&TC) participated in Career Launcher Program at Mumbai

**Department of Mechanical Engineering**
- **Avishkar-research project competition (25/11/2017)**


**Students displaying their research project**

Four students of Mechanical Engineering Department participated in Avishkar-research project competition held at MVP's Shantaram Bapu Wavre College, CIDCO, Nashik on 25th November 2017. Ms. Komal Aher and Mr. Yash Gandhalikar have been selected at University level Avishkar-research project competition. Dr. K. S. Holkar (Principal), Dr. S. P. Mogal (HoD) congratulated the students for their achievement.

## 8. NSS Camp (19th-25th December 2017)

Under the National Service Scheme of SPPU, winter camp for third year engineering students of the institute was organized at Belgaon Dhaga village. The motive of the camp was to inculcate the seeds of social responsibility in the minds of students. Campaigns for anti superstition, addiction of drugs and women empowerment were

conducted by the students to create awareness among the villagers. The students conducted a survey of the village and promoted the importance of cleanliness by actually cleaning the surroundings with the active involvement of the villagers. Shrimati Neelimatai Pawar (Hon. Sarchitnis, MVP Samaj) addressed the students of NSS camp and emphasized the importance of such camps in developing the characters of the budding citizens of the society.



**Shrimati Nilimatai Pawar (Hon. Sarchitnis, MVP Samaj) addressing the students along with Dr. K. S. Holkar (Principal)**



**Dr. K. S. Holkar (Principal), students and the staff of institute during NSS Camp**



**Students working during the camp**

## 9. Social Activity

### Department of Mechanical Engineering

- **Recipe for holistic health (11th-16th December 2017)**

Department of Mechanical Engineering organized a one week course on "Recipe for holistic health". It was conducted by Bk. Manisha Didi, Bk. Vikas Bhai, Bk. Satish Bhadane of Rajyoga Education Trust of Prajapita Brahmakumari Mission for all the staff of the institute.

The course was very motivational and all participants experienced a peace of mind through the meditation sessions conducted during the course.



**Dr. K. S. Holkar (Principal) felicitating Manisha Didi**

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**TECHNICAL NEWS LETTER: DECEMBER 2017**

कर्मवीर बाबुराव ठाकरे अभियांत्रिकी महाविद्यालयातर्फे नुतन वर्षाच्या हार्दिक शुभेच्छा.

शुभेच्छुक

प्राचार्य, सर्व कर्मचारी व विद्यार्थीवर्ग

**Dr. K. S. Holkar**
**Principal**