



Vidya Pratishthan's  
Kamalnayan Bajaj Institute of Engineering and Technology  
Baramati Dist. Pune



**e-Newsletter**

**JANUARY**  
**2018**

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AND  
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**ANIL PATIL**

**FOREWORD**

We publish the quarterly activities organised in the campus and also the activities in which our students and faculty members participated in outside prestigious campuses. In this publication we give emphasis on our Faculty's engagement in research activities, training programs as well as students' achievements in various fields. Therefore, it gives us pleasure to publish before you our e-Newsletter of January 2018. During this period, our faculty members and students have involved with their keen interest in higher learning, research and training programs.

During this period, ISTE Chapter in association with AICTE organised a one-week Refresher Programme "Synergogy" during 24 to 28 October 2017 at VPKBIET campus. 76 faculty members participated in the program and on the last day participants presented their team-made posters which was an excellent activity.

Some of our faculty members attended and presented their research papers in national and international conferences. Most of our faculty members organised industrial visits for the students. Some faculty members organised various workshops for the students which proved beneficial for the students. Industrial and educational visits were organised for the students so that they can get practical knowledge of their subjects. Our faculty members also organised guest lectures and workshops which were organised by faculty and professionals from outside.

Foreword By

**Dr. Nirmal Sahuji**

**Head (Gen. Sci. and Engg.)**

**Chairperson of e-Newsletter**



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• **Vidya Pratishthan's KBIET in coordination with ISTE Chapter** organised a One-Week Refresher Program "Synergogy" during 24 to 28 October 2017 at VPKBIET campus. The program was approved by ISTE on self-financed basis and the program was considered for career advancement scheme of AICTE, New Delhi. Two faculties Prof. Basawraj Hooli, Senior Adviser, CDAC- Pune and Mrs. Shaila Hooli, Senior Manager WIPRO Pune conducted the program.

It was an activity and knowledge-based workshop that definitely helped teachers to face new challenges in engineering education. 76 faculty members participated in the program and on the last day participants presented their team made posters which was excellent activity. Dr. A P Hiwarekar, (Professor of Mathematics) worked as a coordinator of this program.



Prof. Basawraj Hooli during the program



Participants in the Refresher Program along with Guests and Principal, Dr. M G Devamane

Develop your senses

— learn how to see.

Realize that everything

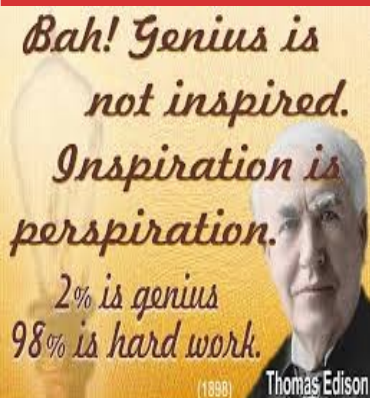
connects

to everything else."



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## **FACULTY'S ACHIEVEMENTS**

### • **Dr. Nirmal Sahuji**



Homi Bhabha Centre for Science Education (TIFR) (HBCSE), Mumbai held an International Physics Olympiad. For this, HBCSE had developed some experimental kits. It had announced free dissemination of these kits based on merit criterion. Dr. Nirmal Sahuji's write up for the same was selected and got sanctioned for Physics Laboratory equipments for free. The prominent equipments in the kit include: Tablet computer, Laser source, Light meter sensor, Digital multi-meter, Digital vernier caliper and all assembly components needed to conduct the said experiments.

## **RESEARCH PAPERS PRESENTED IN CONFERENCES**

### • **Dr. Nitin Jadhav**



He attended and presented paper in International Conference on "Applied Nanotechnology and Nano Sciences". This Conference was organised by Tuljaram Chaturchand College, Baramati during 7 to 9 December 2017. He presented two papers entitled "Structure, Texture and Morphology Modulation of Mesoporous Electrode for Efficient Solar Cells" as Oral Presentation and HgS-TiO<sub>2</sub> Nanocomposite as Modified Working Electrode for Dye-Sensitized Solar Cell as poster presentation. In the presentation he discussed future of renewable energy and different Nano-materials for solar energy production. He presented his results which showed good solar conversion into electrical energy using mesoporous TiO<sub>2</sub> and ZnO.

He got the Second prize in Oral Presentation for his paper entitled "Structure, Texture and Morphology Modulation of Mesoporous Electrode for Efficient Solar Cells". This Conference proved beneficial for him as it would help him in teaching and learning process.

### • **Mr. Anil Patil**



He attended and presented his research paper in the International Conference on "Language, Literature and Culture" during 15 to 17 December 2017. The Conference was organised by Institute of Advanced Studies in English in Pune. Anil Patil presented his research paper on *Interpreting Salman Rushdie as a Postmodern Writer*. The eminent scholars discussed various aspects of language, literature and culture in their plenary sessions. This conference proved beneficial for him as it would help him in teaching and learning process.

### • **Mr. Anil Disale**



He attended and presented his research paper in the International Conference on Applied Nanotechnology and Nano Sciences. This Conference was organised by Tuljaram Chaturchand College, Baramati during 7 to 9 December 2017. He presented a paper entitled "Structure, Texture and Morphology Modulation of Mesoporous Electrode for Efficient Solar Cells" as oral presentation. This conference proved beneficial for him as it would help him in teaching and learning process.



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• **Mr. Govind Devasuth**



He attended the 8<sup>th</sup> National Power Electronics Conference, 2017 (NPEC-17) which was held at College of Engineering, Pune during 18 to 20 December 2017. This Conference (NPEC) provided a platform to him to exchange ideas, information and expertise amongst the power electronics community of India. It provided a) the power electronics exposition, b) tutorials, c) presentations of peer reviewed papers and invited articles and d) a venue to network with fellow power electronics professionals and researchers. He also attended the 7<sup>th</sup> International Conference on Power Systems-2017 (ICPS 2017) which was held at College of Engineering Pune during 21 to 23 December 2017. The International Conference on Power Systems (ICPS) was a premier conference in the area of power engineering.

• **Mr. Rohit Tarade and Mr. Nikhil Sardar**



They attended a Workshop on “Effective Teaching and Learning of Smart Grid and Microgrid Technologies (SGMGTT)” which was conducted by NIT Warangal during 4 to 8 December 2017. The objectives of the programme were 1) to enable participants to learn and conceptualize smart grid and micro grid technologies 2) to enhance the learning capabilities of the participants in communication, wide area measurement, protection and storage technologies 3) to empower participants with usage of MATLAB/Scilab tools for smart grid and micro grid optimization applications. They had also provided hands-on-training to the participants with usage of OPAL-RT for smart grid applications.

• **Ms. Jyoti S Kulkarni**

She attended a STTP on Renewable Energy Source for Sustainable Development during 25 to 30 December 2017. This STTP was organised by VJTI, Mumbai. The STTP covered various renewable sources such as solar, wind, geothermal, biomass, wave energy and tidal energy. In this course, the need of Renewable energy resources, current scenario and policies of renewable energy resources was discussed in detail. All participants visited Thane Municipal Corporation to see various implemented schemes of Renewable Energy Source for Sustainable Development.



Ms. Jyoti Kulkarni at the Workshop along with other participants

“Imagination is more important than knowledge.”

- Albert Einstein



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- **Ms. R B Kokare and Ms. S A Swami**

They attended a two-day State Level Workshop on “Smart Agriculture using Internet of Things” at VIT Pune. This workshop was sponsored by Savitribai Phule Pune University, Pune. It was conducted during 23 and 24 December 2017.



Ms. Rohini Kokare and Ms. Shridevi Swami

- **Prof. Dinesh Zende**



He coordinated a two-day Faculty Development Program on “Introduction to Machine Learning” on 16 and 17 December 2017. This FDF was organised under Saptahaant Shikshak Prashikshan (SSP) by IIT Kharagpur.

- **Mr. Machindra Gaikwad**



He presented his research paper entitled “Combustion Characteristics of Bio-methane-Diesel Dual Fueled CI Engine in the Existence of EGR” in the 25<sup>th</sup> National Conference on IC Engine and Combustion (XXV NCICEC). This Conference was organized by the Department of Mechanical Engineering, National Institute of Technology Karnataka, Surathkal during 15-16 December 2017.

### **INDUSTRIAL VISITS ORGANISED**

- **Department of Mechanical Engineering** organised an industrial visit to Automotive Company and ARAI Open Day by SAE-INDIA during 5, 6 and 7 October 2017. 14 BE students along with one faculty visited Mahindra Pvt. Ltd. Company at Chakan, Pune on 5 Oct. 2017. They visited the assembly section of this company and studied the assembling of various parts. The visit was coordinated by Mr. Akshay Bhapkar.



Students along with faculty members during the visit

“ The important thing  
is to never stop  
questioning. ”

Albert Einstein

MADE  
FOR  
SCHOOL



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• **Department of Mechanical Engineering** organised a Visit to Accurate Sales and Services Pvt. Ltd. on 3 October 2017. Total 44 students along with 2 staff members visited the industry which is located at Hadapsar Industrial Estate in Pune. The visit was arranged for the subject of Metrology and Quality Control to study various aspects of Coordinate Measuring Machines. Students studied different aspects of coordinate measuring machines like Bridge type, Gantry type, cantilever type, Horizontal arm type, etc. The Company also arranged a discussion session for students regarding various career opportunities in Metrology and Quality Control Department. Mr. Prasad Galande and Mr. Vishal Bhagwat coordinated this Visit.



Students with the instructor at Accurate Sales and Services Pvt. Ltd.

### **STUDENTS' ACHIEVEMENTS**

• **Sangram Jadhav and Sourabh Kanade**



They participated and got selected in University level Project Competition of Avishkar-17. The name of their project was "A Novel Approach towards Agricultural Advisory System using Crop Disease Diagnostics". Mr. S A Shinde guided these students.

• **Ankita Omase**

She participated in "Men and Women Maharashtra State Volleyball Championship". This championship was held at Charoli (BK), Pune. It was held during 22 to 25 December 2017.



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