



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



**e-Newsletter**

**APRIL**  
**2020**

**INSIDE THIS  
ISSUE:**

<b><u>FOREWORD</u></b>	<b>1</b>
<b><u>PARTICIPATED OR PAPERS PRESENTED IN CONFER- ENCES OF SEMINARS</u></b>	<b>2-3</b>
<b><u>WORKSHOPS/ DEPARTMENTAL EVENTS ORGANISED</u></b>	<b>4-5</b>
<b><u>INSTITUTE AND DEPART- MENT LEVEL PROGRAMS ORGANISED</u></b>	<b>6</b>
<b><u>STUDENTS' ACHIEVEMENTS</u></b>	<b>7-10</b>

**EDITOR  
AND  
DESIGNER**

**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 April 2020. During this period, our faculty members and students have involved with their keen interest in higher learning, research and training programs.

During this period, our faculty participated in workshops, presented their research papers and also won awards in various competitions. They presented their research papers in national and international conferences. Most of our faculty 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. One of our students filed a patent and some students started their own start-ups. A group of students presented their research paper as well as project model. Their project group secured 2<sup>nd</sup> position in Project Model.



**e-Newsletter**

**APRIL**  
**2020**

- **Mr. Rohit Tarade, Mr. Pawan Upadhye and Mr. Deepak Yeole**



They attended AICTE, New Delhi Sponsored 2<sup>nd</sup> International Conference on Green Energy for Sustainable Development (ICGESD-2020) on 28 and 29 February 2020. It was jointly organised by Government Polytechnic, Nagpur and MSBTE Mumbai. They presented their paper on Transmission Congestion Management in Re-structured Power System Using Fuzzy Method.

- **Prof. R K Shastri**

He attended International Symposium on Artificial Intelligence Based Future Technologies in Agriculture during 7-9 Jan 2020. He also presented his paper in the Symposium.



Dr. Rajveer Shastri while presenting his paper

- **Dr. Vinay Nagalkar**

He delivered an Expert Lecture on 'Intellectual Property and Patenting'. It was organized by Atal Incubation Centre of Agricultural Development Trust in Baramati and NITI Aayog Delhi on 12 January 2020. He guided students about intellectual property rights and patenting and it proved beneficial for the students.



Dr. Vinay Nagalkar during the lecture



**e-Newsletter**

**APRIL**  
**2020**

• **Mr. Anil Patil**



He attended a Two-Day State Level Seminar on *Research Methodology and Scholarly Writing*. It was organised by JSPM'S Institute of Management and Research in Pune during 2 to 3 February 2020. He also attended the National Conference on 'Literature of Protest'. The Conference was organised by S M Joshi College of Arts, Science and Commerce in Pune on 31 January and 1 February 2020. He also presented his research paper on Identity Crisis in Salman Rushdie's Selected Novels. The resource person for this program was a well-known author R. Raj Rao. He deliberated on many issues related to protest and identity crisis among human beings in the contemporary society. Mr. Anil Patil developed certain insights which will help him in his teaching and learning process.

• **Mr. Dilip Patil**

He participated in a Two-Day SPARC Workshop on Sustainability and durability of concrete structures with by-products and recycled materials. It was organised by IIT Madras Research Park in Chennai on 17 and 18 January 2020.



Mr. D G Patil during the Workshop

• **Mr. Dinesh Zende**



He participated in International Symposium on "**Artificial Intelligence Based Future Technologies in Agriculture**" from 07<sup>th</sup> to 09<sup>th</sup> January 2020, organized by Centre for Advanced Agricultural Science and Technology for Climate Smart Agriculture and Water Management (CAAST-CSAWM) Mahatma Phule Krishi Vidyapeeth, Rahuri.



• **Department of Electrical Engineering** organised the Technical Event VOLTZ-FEST 2K20 on 13 and 14 January 2020. It was organised under ELESA and ISTE. Various competitions were organised during this program. Circuit implementation event provided a practical learning of electrical circuits for students. Exposure of technical and non-technical events for the students encouraged them to improve their career skills. Various competitions included poster presentation, extempore, debate, photography, idea presentation and mini-project competition.



Faculty and students during the program

School student during the presentation

• **EESA Committee from Department of Electronics and Telecommunication Engineering** organised a Guest Lecture on 'Life and Career Opportunities in Defence Services'. It was organised on 31 January 2020. The event was especially organized for students willing to join defence sections. Major Rishikesh Kadam was the expert speaker. Hon. Principal, Dr. R S Bichkar felicitated the guest. The program proved beneficial for the students. Mrs. Sonal Nikam coordinated the program.



Major Rishikesh Kadam during the interaction with students



**Department of Mechanical Engineering** established a centre on **Metallurgical inspection and testing** (MITC). It was inaugurated on 7 February 2020 by Mr. Nitant Kothari, renowned entrepreneur of Rack N Space in Baramati. MITC performs various types of microstructure and non-destructive testing examinations, corrosion analysis and micro hardness testing of materials. NDT evaluates defects and the effects of heat treatments and ensures material conform to required specifications. Dr. S. C. Bali is the coordinator of the centre.



Mr. Nitant Kothari, Dr. P R Chitragar, Faculty and Students during the program

• **Department of Mechanical Engineering** established a centre on Vibration Analysis. It was inaugurated on 7 February 2020 by Mr. Nitant Kothari, renowned entrepreneur of Rack N Space Pvt. Ltd. in Baramati. This centre performs the experimental vibration analysis of mechanical structures by using NI (National Instruments) hardware system supported by LabVIEW software. This centre has a NI hardware system which includes 8-channel chassis and accelerometer configured with software which gives vibration signatures of particular structure. Mr. S. H. Kumbhar is the coordinator of the centre.



Mr. Nitant Kothari, Dr. P R Chitragar, Faculty and Students during the program



• **Our Institute** organised an Industry-Institute interaction Summit in association with Baramati Industrial Manufacturers Association (BIMA) on 7 February 2020 at our campus. The program included exhibition of new innovative ideas from students who participated in Smart India Hackathon and innovative final year projects. 30 groups of students participated in this industry summit and displayed their innovative projects. All the students from our institute visited the exhibition. Mr. Dhananjay Jamdar, President of BIMA, Mr. Sushant Pustake (President, Bharat Forge Ltd.) And Mr. S. B. Patil (Head -HR, IR, and Admin., Bharat Forge Ltd, MIDC Baramati) were present as Chief Guests. The objective of the summit was to establish a continuous interaction between our Institute and industries. The program helped the institute to plan various Industry-Institute Interaction activities.



Hon. Trustees of Vidya Pratishthan, Industry Executives, Hon. Principal and Faculty during the Industry-Institute Interaction Summit

• **Department of Electrical Engineering** organised a training programme on Importance of IPR in Research and Entrepreneurship by Pixelstat e-Solution Development Pvt. Ltd during 4 to 5 March 2020. Hon. Principal, Dr. R. S. Bichkar inaugurated the event in the presence of Heads of all Departments. The chief guest for the valedictory function was Ms. Kalyani Ahir and Dr. S M Bhosle (Dean R & D), Mr. H M Shaikh, Mr. S D Shelar coordinated the program. The training program proved beneficial for the students.



Hon. Principal, Faculty and Students during the program

## STUDENTS' ACHIEVEMENTS



e-Newsletter

APRIL  
2020

• Smart Innovation Center was inaugurated by Hon. Mrs. Sunetra Pawar, in the presence of trustees of Vidya Pratishthan Baramati including Hon. Shri. Dattatray Unde, Hon. Shri. Shrikant Sikachi, Hon. Adv. Neelima Gujar, Hon. Shri. Rajiv Shah and Registrar Shri. Shrish Kamboj on 18 February 2020. Faculty of Electronics and Telecommunication Engineering Department: Dr. Sudhir Lande, Dr. Vinay Nagalkar, Mrs. Jyoti Rangole and Mr. Balasaheb Patil filed 12 patents along with 15 students in the Department. The Department has a credit of filing 8 patents in one day. Hon. Sunetra Pawar appreciated their efforts and achievements students and faculty during the program.



Hon. Sunetra Pawar, Trustees, Principal, Vice-Principal, Faculty and Students during the Program

**Our Institute** organised an Industry-Institute interaction Summit in association with Baramati Industrial Manufacturers Association (BIMA) on 7 February 2020 at our campus. The program included exhibition of new innovative ideas from students who participated in Smart India Hackathon and innovative final year projects. 30 groups of students participated in this industry summit and displayed their innovative projects. Students from Department of Mechanical Engineering presented their project in this program. Their project was to build Trainable Motion Follower Robotic Arm which follows the desired path. The robotic arm was controlled with the help of the android-based application designed by the team. The industry persons visited the project and appreciated the team. The project team included final year students: Akshay Patil, Anoop Rode, Mayur Barhate and Mohit Pingale. Mr. Vishal Bhagwat guided the students for this project.



Student demonstrating their project during the program

• **Ms. Sarika Darade**

She is a Third Year student from Electrical Engineering Department. Sarika along with her family cycled 4080 kms. from Jammu and Kashmir to Kanyakumari. Their achievement has been recorded in Limca Book of World Record for Cycling. They decided to complete the venture on the occasion of birthday of Hon. Shri Sharadchandraji Pawar, with noble message of 'Beti Bachao Beti Padhao' and 'National Unity'. They started their journey from Jammu and Kashmir on 12<sup>th</sup> December 2019 and completed it on 9<sup>th</sup> January 2020. They travelled through 8 states of India viz. Jammu and Kashmir, Panjab, Hariyana, Rajasthan, Gujrat, Maharashtra, Karnataka and Tamilnadu. Her sister, parents and four other people participated in this journey. They cycled around 150 km. during the day and stayed overnight. They had memorable experiences throughout the journey.



Ms. Sarika Jadhav during the Journey



Ms. Sarika Jadhav, her family and other participants during the journey

**Mr. Mosam Bhong**

He prepared the Automatic Hand Sanitization Machine. He started his own Startup Innovatics Pvt. Ltd. He demonstrated the functioning of the machine to Hon. Shri. Ajitdada Pawar and Hon. Trustees of Vidya Pratishthan Sanstha. Mrs. Jyoti Rangole guided the student for the project.



## e-Newsletter

**APRIL**  
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Hon. Trustees of Vidya Pratishthan Santha, Mrs. Jyoti Rangole and Mr. Mosam Bhong during installation of Sanitizer Machine

- **Anoop Rode, Mohit Pingale**
- **Mayur Barhate and Akshay Patil**

A group of students from Mechanical Engineering Department: Anoop Rode, Mohit Pingale, Mayur Barhate and Akshay Patil participated in National Competition which was held on 27 and 28 February 2020 at MAEER's MCRER in Barshi. They presented their research paper as well as project model. Their project group secured 2<sup>nd</sup> position in Project Model.



Organising Dignitaries and Students during the program



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Vidyanagari  
Baramati**

• Atal Incubation Center, ADT in Baramati organised Navonmesh 2020. Two groups of students from our Institute presented their projects. These projects include 'Multipurpose Egg Hatching Machine' and 'Automatic Sugarcane Bud Detection and Cutting System'. These students were Paigambar Shaikh, Aishwarya Fulari and Anuj Fulari. The project 'Sugarcane Bud Detection and Cutting Machine' won the 2<sup>nd</sup> Prize at Navonmesh 2020. Faculty from E and TC Engineering Department: Dr. Vinay Nagalkar and Mrs. Jyoti Rangole guided these students.



Students and Faculty receiving the Award during the Competition

#### **Mr. Ashish Kulkarni**



He is a student from Department of Electronics and Telecommunication Engineering. He filed a patent on 'Smart Unique ID Security System for Next Generation Using IRIS Biometrics' on 31 January 2020 at IPR office Mumbai. Dr. Sudhir Lande and Dr. Vinay Nagalkar guided him for the project.

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