



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



**FOREWORD**

In this Newsletter, we publish the quarterly activities organised in the campus and also the activities in which our students and faculty 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 competitions and fields. Therefore, it gives us pleasure to publish before you our e-Newsletter of July 2020. During this period, our faculty have received training through online Faculty Development Programs.

During this period, many of our faculty published their research papers in reputed national and international journals. Some of our students also presented their posters in prestigious competitions and won prizes. Most of our faculty presented their research papers in national and international conferences as well.

Faculty members also 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 faculty received the Young Scientist Award and some of the faculty received incubations as well. The workshop on intellectual property rights was also conducted for the second year students to make them aware about various aspects about the field and patenting as well.

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**EDITOR  
AND  
DESIGNER**

**ANIL PATIL**



- **Dr. Vinay Nagalkar**

He received 'Young Scientist Award' from VDGGOOD Professional Association. He also received the Best Mentor Certificate from MHRD for the exceptional contribution given in Smart India Hackathon 2019. He also won the First Prize for the Best Research at AVISHKAR-2020 Research Convention organised at S.G.B.A. University Amravati under Medicine and Pharmacy Research category. He was felicitated by Hon. Dr. Vijay Bhatkar for being the best research scholar in Amravati University.



Dr. Vijay Bhatkar felicitates Dr. Vinay Nagalkar during the Program

- **Dr. Vipin Gawande**



He presented his paper in an International Conference on 'Advances in Mechanical Engineering'. It was organized by NIT Warangal. The paper is published in 'Lecture notes in Mechanical Engineering' book series, indexed by SCOPUS and published by Springer.

- **Mr. Suraj Kumbhar**



He presented his paper 'A Review on Damping Characteristics of Aluminium (Al) Matrix Composites' in National E-Conference on Research and Development in Mechanical Engineering-2020 by G. H. Raisoni College of Engineering and Management in Pune. It was organised on 26 and 27 June 2020.



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- **Ms. Jyoti Rangole**



She participated in the IIC online sessions conducted by Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi to promote Innovation, IPR, Entrepreneurship, and Start-ups among HEIs during 28 April to 22 May 2020. She is working as Institute Coordinator for Implementing National Innovation and Startup policy at the Institute. She also attended a One-Week online FDP on Python 3.4.3 organized by Anantrao Pawar College Of Engineering, Pune in association with Spoken Tutorial IIT Bombay during 1 to 5 June 2020.

- **Mr. Avinash Kokare**



He participated in a One-Week Faculty Development Program organized on 'BOSS Linux' by Spoken Tutorial, IIT Bombay project. It was organised during 24 to 30 April 2020 at D. Y. Patil College of Engineering Akurdi in Pune.

- **Ms. Yashoda Sakhare**

She participated in a One-Week Faculty Development Program on 'Advanced Trends in Engineering' during 19 to 23 May 2020. It was organized by Institute of Technology, Nagpur in association with Institution of Engineers (India), Nagpur Local Centre. He also participated in a Two Week Faculty Development Program on 'Emerging Trends in Industry 4.0'. It was sponsored by ACM Student Chapter. It was conducted during 18 to 29 May 2020 and organized by Computer Engineering Department, JSPM's Rajarshi Shahu College of Engineering, Pune.

- **Ms. K. M. Bhale**



She attended a Faculty Development Program on 'Next Generation Firewall'. It was conducted by ICT Academy on 29 May 2020. The program provided an outline of certification courses available under Palo Alto Network. Palo Alto Networks certifications provide assurance about an individual's knowledge of cyber security, network security and ability to deploy and operate the Palo Alto Networks Security operating platform. The program proved useful to her.

- **Mr. K. S. Bhagwat**



He participated in FDP on new curriculum of SE IT (2019 course) for the subject 'Logic Design and Computer Organization, Logic Design and Computer Organization Laboratory' which was conducted on 30 June 2020. It was organized by Bharati Vidyapeeth College of Engineering in Pune.

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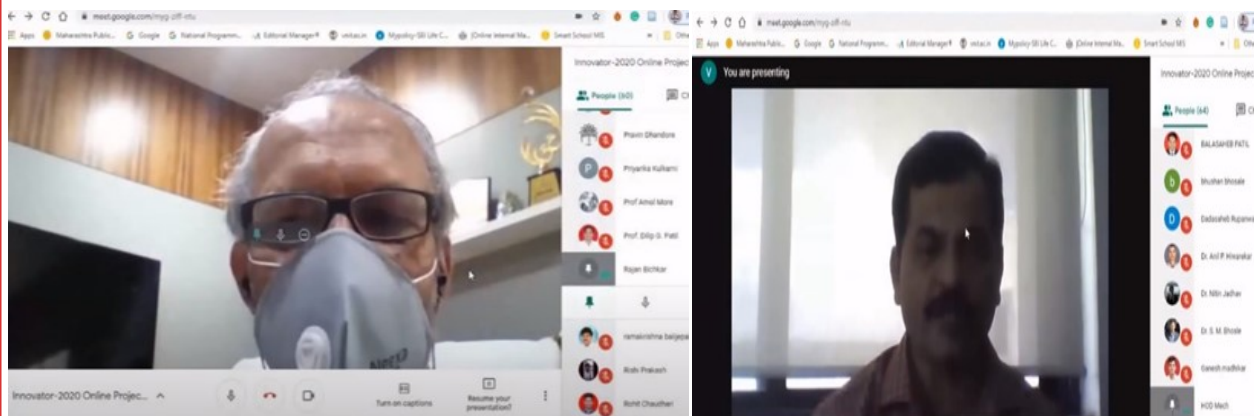
• **Department of Mechanical Engineering** organised a Two-Day short-term Training Program on 'Importance of IPR in Research and Entrepreneurship' on 27 and 28 February 2020. The purpose of the program was to make second year students aware about the IPR process. The rationale for this IPR lies in the need to create awareness about the importance of IPRs as a marketable financial asset and economic tool among the researchers, faculty and students of the College. 120 students from Mechanical Engineering and Civil Engineering Departments, along with faculty received training. Ms. Kalyani Ahir from Pixelstat e-Solution Development Pvt. Ltd, Pune was the resource person. She highlighted various aspects of IPR including importance of IPRs and their protection, patenting procedures and patent informatics, patent searches, role of innovation and invention in the academia-industry collaborations, trademark and copyright protection and also the requirements for a researcher in the context of publishing and patenting. Dr. Sachin Bhosle coordinated the training program.



Dr. Sachin Bhosle during discussion with students

Students during the Training Program on IPR

• **Department of Mechanical Engineering** organized a state level online project competition 'Innovator -2020' on 8 June 2020. The main purpose of organizing this event was to foster the research culture among young innovative minds and to provide them a platform to present their findings from their project work. Students' projects were invited in Major and Minor project categories. During the event a technical talk was organized on 'Importance of Project Based Learning in Research' which was delivered by Dr. Sunil Chamoli, Assistant Professor, G.B. Pant College Ghurdauri, Pauri Garwal Uttarakhand (India). 250 participants along with faculty from various colleges attended the online technical talk. Dr. Vipin B. Gawande, Mr. Akshay Bhapkar, Mr. Machindra Gaikwad coordinated the event.



Hon. Principal, Dr. R S Bichkar and Dr. P R Chitrakar during the program





• **Department of Information Technology** organized the technical festival visit for the second and third year students. Students participated in the technical festival enthusiastically. They experienced the well organization of the event by students of BITS GOA. Quark is the annual techno-management festival of BITS, Pilani- K. K. Birla Goa Campus.



Faculty and Students during the visit

• **Department of Computer Engineering** organised an Industrial Visit at Mapro Food Pvt. Ltd. It is located around the idyllic hill-town of Panchgani in Western India. Mapro Foods manufactures Fruit Jams, Fruit beverage concentrates, Crushes and Squashes and Fruit Bars. The visit was organised for Second Year students on 7 February 2020. The Visit aimed to understand the software used to manage their daily business process and its mapping. Students studied various aspects of the industrial mechanism and operations and it proved useful to them. Mr. Vyankatesh Rampurkar, Mr. Pradip Paithane and Ms. Pallavi Jawalkar coordinated the visit.



Faculty and Students during the Visit

**Department of Computer Engineering** organised the technical festival visit for the third year students. The main objective was to inculcate habit of technical event participation and organization. Students participated in the technical festival enthusiastically. Students experienced the well organization of the event by students of BITS GOA. This technical event was organized by students of BITS, Goa. The students from first year to last year of entire college organized the program. Events in this program were available for the students of all streams. Mr. Manoj Shelar and Mr. Sahil Shah coordinated the visit.



Faculty and Students during the Visit

**STUDENTS' ACHIEVEMENTS**

Atal Incubation Center, ADT in Baramati organised Navonmesh 2020. Two groups of students from the 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.



Faculty and Students while receiving the Award during the Competition



## STUDENTS' ACHIEVEMENTS



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**Students' group from Mechanical Engineering Department:** Anoop Rode, Mohit Pingale, Mayur Barhate, Akshay Patil participated in the National level Competition. It was held on 27 and 28 February 2020 at MAEER'S MCRER, BARSHI. They participated in research paper presentation and project model presentation. Trainable Motion Follower Robotic Arm (TMFRA) is an articulated manipulator. TMF Robotic arm is capable to perform certain tasks like pick and place operation in repetitive manner with constant accuracy and precision. The way in which the tasks can be assigned to TMF Robotic Arm makes it more convenient to operate and eliminates the skilled labour requirement in the industry. The total participants were 47 out of which 17 were from Mechanical Engineering. The chief guests Prof. Shivanand Mali, Dr. V. A. Suryawanshi, Dr. A. Venkatesan evaluated the prepared model. This student's project group secured the 2<sup>nd</sup> position in Project Model Presentation.



Mayur Barhate, Mr. Prof. Shivanand Mali (Co-convener), Dr. V. A. Suryawanshi (Convener), Dr. A. Venkatesan (Principal), Mr. Anoop Rode, Mr. Mohit Pingale along with Mr. Akshay Patil

**Vidya Pratishthan's  
Kamalnayan Bajaj  
Institute of  
Engineering and  
Technology  
Vidyanagari  
Baramati**

Phone: 91-2112-239500, 503, 504

Fax: 91-2112-239514

E-mail:  
principal.

[vpkbiet@vidyapratishthan.com](mailto:vpkbiet@vidyapratishthan.com)

Website:  
[www.vpkbiet.org](http://www.vpkbiet.org)