



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



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 July 2022. During this period, our faculty members and students have involved with their keen interest in higher learning, research and training programs.

Many of our faculty members 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 and lectures for the students which proved beneficial for the students. The faculty also filed patents in their areas of interest and research. Industrial and educational visits were organised for the students so that they can get practical knowledge of their subjects. Our faculty also organised poster and project competitions in which students got the opportunities to present their ideas and projects. Our faculty also organised the sessions of outside faculty on Soft Skills and Communication Skills. Some of our faculty also reviewed the research articles in the reputed Research Journals during this period.

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**EDITOR
AND
DESIGNER**

DR. ANIL PATIL



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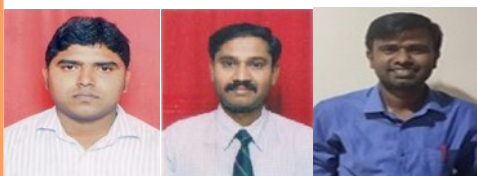
FACULTY'S ACHIEVEMENTS AND PARTICIPATION IN TRAINING PROGRAMS, CONFERENCES AND FDPS

- **Mr. Premanand Kadbe**



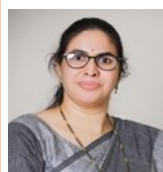
Mr. Premanand Kadbe filed his Patent entitled 'A Simultaneous Location and Mapping Based Autonomous Navigation System' from Republic of South Africa, with Patent No. 2021/08148 on 23 February 2022.

Dr. C. B. Nayak, Dr. G. N. Narule and Dr. S. G. Morkhade



Dr. C. B. Nayak, Dr. G. N. Narule and Dr. S. G. Morkhade have received the recognition as Ph. D. and PG Guides from Savitribai Phule Pune University, Pune.

- **Dr. Manisha S. Lande**



She worked as a reviewer for an International Conference on 'Recent Advances in Materials, Manufacturing and Machine Learning (RAMMML-2022)' which was organized by Department of Mechanical Engineering at Yeshwantrao Chavan College of Engineering, Nagpur. The Conference was scheduled during 26 and 27 April 2022.

Mr. M. S. Gaikwad



Mr. M. S. Gaikwad received recognition of the review contributed to the journal 'Computers and Education: Artificial Intelligence' in May 2022.

Dr. Sudhir Lande



He attended a two day visit cum Training Program on 'IP Entrepreneurship Pre-Incubation and Incubation facility Creation'. It was organized by Institution Innovation Council (IIC) of G.H. Rasoni College of Engineering, Nagpur during 20 to 21st May 2022. The program was organised under mentor-mentee scheme by MoE, Government of India.



Dr. Balasaheb Patil

He participated in a one-week ISTE approved Short Term Training Programme (STTP) on 'Data Science' organized by Computer Engineering Department, K J College of Engineering and Management Research during 11 to 15 July 2022. He also participated in a one-week National level Faculty Development Program on 'Recent Trends in VLSI and Nano Electronics' during 4 to 9 July 2022. It was organized by the Department of Electronics and Communication Engineering, Sree Vidyanikethan Engineering College (Autonomous), Tirupati, Andhra Pradesh, India.



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FACULTY'S ACHIEVEMENTS AND PARTICIPATION IN TRAINING PROGRAMS, CONFERENCES AND FDPS

- **Dr. Rajveer Shastri**



He participated in 'Indo-Hungarian joint Workshop on Healthcare Application for Rehabilitation' on 26 May 2022. The Workshop was organized by National Research Development and Innovation Office, Ministry of Science and Technology, Government of India. He also participated in the BCI and Neuro-technology Spring School during 25 April to 4 May 2022 and earned 12 credits for 130 Hrs. of education with 5309 attendees from 107 countries. He also coordinated the training course on 'Remote sensing and GIS Applications in Agriculture' during 25 to 29 July 2022.

- **Dr. Anil Disale**



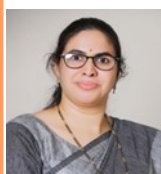
He completed Microsoft India & SAP India led Faculty Development Program on 'Cloud Computing' under TechSaksham Program during 8 to 10 April 2022. The Program was entirely conducted with hands-on practical sessions. The Program was organized by Vidya Pratishthan's Institute of Information Technology, Baramati.

- **Ms. Pallavi Bokey**



She completed a Short-Term Training Program on 'Recent Trends in Sustainable Development'. The STTP was organized by P. R. Pote Patil College of Engineering and Technology during 6 to 11 June 2022. She also guided her BE student to present the research paper on 'Determination of Water Content of Soil using Soil Moisture Sensor with Arduino Uno' and the paper has been published in the Proceedings of the Conference.

- **Dr. M. S. Lande**



She carried out the review of research manuscript for an International Conference on 'Recent Advances in Materials, Manufacturing and Machine Learning (RAMMML-2022)' which was organized by Department of Mechanical Engineering at Yeshwantrao Chavan College of Engineering, Nagpur, during 26 to 27 April 2022.

Mr. P. M. Patil



He participated in Microsoft India and SAP India led Faculty Development Program on 'Cloud Computing' under TechSaksham Program during 8 to 10 April 2022. He also completed Parakh Assessment on Data-Base Management System (DBMS).



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- **Mr. Premanand Kadbe**



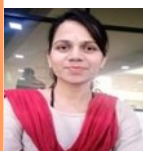
He attended ePGPEX 2022 Conference which was organized by Board of Studies (E&TC), in association with Trinity College of Engineering and Research, Pune as a PG Coordinator for Digital Systems on 23 June 2022. He also attended a workshop on 'Quality Initiatives for Autonomy' which was organized by Autonomy Coordinator 18 June 2022.

- **Ms. Snehal Walke**



She attended an ISTE approved One-Week Short-Term Training Programme on 'Recent Trends in Sustainable Development'. The program was organised during 6 to 11 June 2022 by Department of Civil Engineering of P. R. Pote (Patil) College of Engineering and Management, Amravati.

- **Ms. P. N. Kokare**



She attended a Faculty Development Program on 'Introduction to Python Programming' which was organized by ICT Academy during 6 to 10 June 2022. She completed the Faculty Development Program on 'Introduction to Machine Learning' which was organized by ICT Academy during 13 to 19 June 2022. She also attended a National level Faculty Development Program on Recent trends in Deep Learning which was organised by G H Raison, Nagpur during 1 to 7 July 2022.

- **Mr. Madan Jadhav**



He attended a Faculty Development Program on 'Product Design, Development and Manufacturing through Boot Camp'. It was organized by College of Engineering Pune, during 1 to 5 April 2022.

- **Ms. Jyoti Bhong**



Ms. Jyoti Bhong completed the Short Term Training Program on 'Recent Trends in Sustainable Development'. The program was organized by P. R. PotePatil College of Engineering and Technology during 6 to 11 June 2022.



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FACULTY'S ACHIEVEMENTS AND PARTICIPATION IN TRAINING PROGRAMS, CONFERENCES AND FDPS

- **The Faculty from Department of Electrical Engineering: Ms. S. D. Rokade, Mr. P. D. Upadhye, Mr. D. S. Yeole, Mrs. P. N. Jaiswal, Mrs. V. V. Deokate** attended the Faculty Development Program on Cloud Computing. It was organized by VIIT, Baramati in association with Edunet Foundation during 8 to 10 April 2022. The FDP was proved insightful to get acquainted with the world of Cloud Computing.



The Faculty and other participants during the program

INSTITUTE/DEPARTMENT LEVEL PROGRAMS / INDUSTRIAL AND INTERNSHIP VISITS ORGANISED

- **Department of Electrical Engineering** organized an Expert lecture on 'Recent Trends and Practical Aspects in HVDC Transmission' on 4 May 2022. The session was organised for Third Year and BE students. The resource person for this lecture was Mr. Prakash Choudhari, a retired executive from MAHATRANSCO, executive engineer having experience in HVDC Transmission System. He guided the students about inventions, history, need for HVDC transmission, HVDC Transmission in India and recent trends in the field. Mr. Shivaji Raskar coordinated the session.





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INSTITUTE/DEPARTMENT LEVEL PROGRAMS / INDUSTRIAL AND INTERNSHIP VISITS ORGANISED

- **Mr. Hafiz Shaikh and Mr. Shivaji Raskar**



They visited AIC-ADT Incubation Center, Malegaon in Bara-mati on 26 June 2022 under Bharat Forge Center of Excellence.

- **Second Year Students from the Department of Artificial Intelligence and Data Science** visited the Institute Server Room 6 May 2022. 77 students studied the various functioning of the machines. This visit was organized to know basics of networking and various network devices, institute network infrastructure, configuration of devices, user access policies etc. Mr. Sachin Wagh discussed these topics with the students and guided students about various aspects. Mr. Sahil Shah planned and coordinated the visit.



Coordinator Faculty, Mr. Sachin Wagh and Students during the Visit



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• **The Centre for Enhancement of English and Foreign Languages (CEEFL)** organised a session on Soft Skills. The session was organised on 13 April 2022. Dr. Anil Patil presented the foreword to the program. The speakers for the sessions were Dr. Pradip Pawar and Dr. Dipali Kadam. Both of them delivered the sessions on *Importance of Language in Professional Life* and *Role of Communication in Engineering*.

The students from First Year to BE attended the sessions. Students also asked their doubts during these sessions. Dr. Pradip Pawar highlighted the significance of using effective language in the professional life and career. He mentioned that when we enter the professional or corporate sector, it is necessary to know and communicate in the target language and speak in it effectively. He guided students about the use of English and soft skills and we should effectively learn and use them in the professional world.

Dr. Dipali Kadam delivered a session on Role of Communication in Engineering. She highlighted the process of communication and how knowing the effectiveness of the communication process is important during the communication in the day to day life. She also highlighted the significance of effective communication in Engineering education. Dr. Aparna Sajjan, Prof. Hanumant Borate and Prof. Deepak Sonawane were present for the sessions. Dr. Deepak Sonawane expressed the vote of thanks.




Vidya Pratishthan's KBIET, Baramati
and
Centre for Enhancement of English and Foreign Languages (CEEFL)


Welcome
you all for the Session on
Soft Skills
for Engineers
Speakers
Dr. Pradip Pawar and
Dr. Dipali Kadam



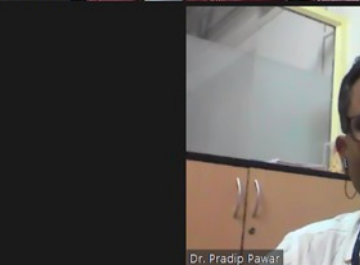

Date: 13 April 2022 **Time: 2:30 to 4:30PM**



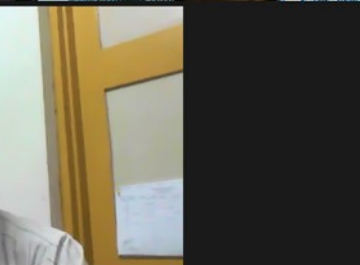
Dr. Pradip Pawar



Dr. Dipali Kadam



Dr. Deepak Sonawane



Dr. Anil Patil

Q Find a participant

ANIL PATIL (Host, me)	
Vidya Pratishthan, Baramati	
DS Deepak Sonawane (Co-host)	
Dr. Aparna Sajjan (Co-host)	
Dr. Dipali Kadam (Co-host)	
GG G G Bhoite (Co-host)	
Hanumant Borate (Co-host)	
(P) (1537) Sahil Pinjari	
1A 1101 Arpita Aadki	
1115 Vaishnavi Bagal	
1P 1129 Pooja Bhoite	
1N 1159 Neha Chhajed	
1D 1213_sarthak dhumal	
1G 1222-Ankita Galkwad	

Invite Mute All

Q Find a participant

ANIL PATIL (Host, me)	
DA Dr. Aparna Sajjan (H...	
Dr. Pradip Pawar (Co-host)	
AP A P Hiwarekar (Co-host)	
DS Deepak Sonawane (Co-host)	
GB Gauri Bhoite (Co-host)	
Vidya Pratishthan, Bar...	
Vidya Pratishthan, Baramati (Co-host)	
1A 1101 Arpita Aadki	
1S 1118 Shruti Bansode	
1H 1141 Harshal Borate	
1C 1154 Chavan Ranjeet Vasant	
1165 Viraj Danane	
1206 jessica Bhas...	



- **Department of Mechanical Engineering** organised an Expert Session on 'Applications of Deep Learning in Mechanical Engineering' on 12 May 2022. It was organized for Mechanical Engineering students. This session was delivered by Mr. Digambar Padulkar, Head of Department of Artificial Intelligence and Data Science of VPKBIET, Baramati. Dr. Avinash Kolekar coordinated the program.



Mr. Digambar Padulkar during the session

- **Department of Mechanical Engineering** organised an Industrial Visit for Third Year Mechanical Engineering students to Bharat Forge Pvt. Ltd., Baramati. It was organized on 13 May 2022. It was arranged for Measurement Laboratory and Fluid Power Control Lab. subjects. Students studied the practical applications of measuring instruments. They also learnt about how Fluid Power can be used for automation in industries.



The Faculty and Students during the Visit



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- **Department of Mechanical Engineering** organised an Industrial Visit to State Transportation Workshop at MIDC in Baramati on 2 May 2022. The visit was organised for Second Year Mechanical Engineering students as an academic requirement for the subject of Applied Thermodynamics. The students studied various components of ST vehicle, its functioning and industrial practices followed for servicing ST vehicles during the visit. Mr. Keshav Jadhav planned and coordinated the visit.



The Faculty and Students during the Visit

- **Department of Civil engineering** organised a Workshop on 'Geographic Information System' on 6 May 2022. Prof. Jaydeep Yadav delivered the expert session. The session was organised for the Third Year Civil Engineering students. 41 students participated in the session. Prof. Jaydeep Yadav guided the students about introduction of the software, Geo-referencing and geo-tagging, digitization of the given part of the toposheet, land-use classification, how to import and export files from Autocad to QGIS. He also explored the various applications of the QGIS and how to become an entrepreneur being a QGIS expert.



Prof. Jaydeep Yadav during the session



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• **Department of Electrical Engineering** organized a 'Project and Poster Presentation Competition' for Final Year Students on 14 May 2022. The program was organized by Electrical Students Association (ELESA) in association with Indian Society of Technical Education (ISTE). The final year students presented the posters and projects from the various research areas like Electrical Vehicles, Microgrid, renewable energy resources, IOT, and switch gears in the form of simulations and hardware's results. Hon. Principal, Dr. R. S. Bichkar, Dr. Anil Hivarekar and Mr. Rohit Tarade (Head of Department) inaugurated the program. All coordinators of the ELESA, Faculty from the Electrical Engineering Department coordinated the program. The expert faculty evaluated the projects from the Electrical Department based on the quality of posters, project ideas, presentations, and reports.



Hon. Principal, Dr. R. S. Bichkar, Faculty and Students during the Program





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• **Department of Electrical Engineering** organized a Poster Presentation Competition under the subject of Project-Based Learning (PBL) on 30 May 2022. The program was organised for Second Year Students by Electrical Students' Association (ELESA) in association with Indian Society for Technical Education (ISTE). The Second Year students presented the posters and projects from the various research areas like Electrical Vehicles, Microgrid, renewable energy resources, IOT, and switch gears in the form of simulations and hardware results. Hon. Principal, Dr. R. S. Bichkar, Prof. Sudhir Lande, Prof. Anil Hivarekar, Mr. Vishal Kore, Mr. Suraj Kumbhar, Prof. Dinesh Hanchate and Mr. Rohit Tarade were present for the inaugural program. All Coordinators of the ELESA, Faculty from the Electrical Engineering Department contributed to organise the event. The expert faculty evaluated the projects from the Electrical Engineering Department based on the quality of posters, project ideas, presentations and submitted reports by the students. The program proved useful for the students.



Hon. Principal, Dr. R S Bichkar, Head of Department, Mr. Rohit Tarade, Faculty and Students during the Program

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Baramati**

- **Mr. Pushkar Zende**



Mr. Pushkar Zende is a BE Student from Electrical Engineering Department. He is the Captain of College Volleyball Team. He secured the 4th position at All Maharashtra Inter Engineering Championships held at Zeal Engineering College, Pune which was organised during 13, 14 and 15 May 2022.

- **BE Students from Electrical Engineering: Ganesh Khawale, Ramdas Khadake, and Vishal Khandagale** presented 'Design and Implementation of Dynamic Wireless Charger for Electric Vehicle' project at Project Presentation Competition organized by ELESA at VPKBIET, Baramati on 14 May 2022. They secured the secured position in the Competition.

- **90 Third Year Students from Department of Electrical Engineering** completed the Internship of 4 as well as 6 weeks in various industries in offline and online mode.

- **52 Second Year Students from the Department of Artificial Intelligence and Data Science** completed the Spoken Tutorial Course on Java Programming with certification from IIT Bombay after qualifying the online examination. This activity was planned and coordinated by Mr. Sahil Shah during January to April 2022.

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