



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



e-Newsletter

APRIL
2022

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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. We give emphasis on our Faculty's engagement in research activities, training programs as well as students' achievements in various fields in this publication. Therefore, it gives us pleasure to publish before you our e-Newsletter of April 2022. During this period, our faculty members and students have involved in higher learning, research and training programs. Many of our faculty also completed Faculty Developments Programs organised by various premier institutes and sponsored by ATAL Academy and AICTE, New Delhi. These FDPs provide a diverse ways of discussion and as well as exploration on emerging trends and technologies in the present world of scientific and technological advancements.

Some of our faculty presented their research papers in national and international conferences. Our faculty organised industrial visits for the students. Some faculty 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. Some senior faculty of our Institute reviewed the research articles from reputed Scopus Indexed Journals and some of them also delivered lectures on various emerging technical areas which need to be explored and helped students develop insights about learning, research and entrepreneurship. Our faculty also provided the consultancy work to various outside institutions, manufactured the required material and provided them.

**EDITOR
AND
DESIGNER**

DR. ANIL PATIL



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FACULTY'S ACHIEVEMENTS

Dr. Anil Hiwarekar

He worked as a reviewer for the [ICTIEE-2022](#) International Conference on 'Transformations in Engineering Education' during 7 to 9 January 2022. The Conference was organized by Indo-Universal Collaboration for Engineering Education (IUCEE). He also attended the conference ICTIEE through an online mode. He also delivered a lecture as an Expert on 'Research Awareness in Mathematics'. His lecture was organised by Karmaveer Bhaurao Patil College, Vashi on 12 February 2022.

Mr. Sahil Shah

He received an award (iPad) and recognition as 'National Ambassador for Microsoft and SAP 2022' from Microsoft, SAP and Edunet Foundation for his contribution in Microsoft FDP on Artificial Intelligence and cascading of the same amongst students.



Hon. Principal, Dr. R S Bichkar felicitated Mr. Sahil Shah for his achievement

Dr. Avinash Kolekar

He completed his PhD in Engineering and Technology from IIT Bombay on 26 February 2022. The topic for his Ph. D. was 'Framework for Conversion of Diesel Engine to Dual Fuel Engine for Bio-Derived Fuel' and he completed it with the supervision of Prof. Suneet Singh, Head of Department, Energy Engineering, IIT Bombay and Dr. Anuradha Ganesh, Director, Cummins India Pvt. Ltd.. The Institute had sponsored and provided financial assistance to him for his Ph. D. under QIP scheme. He also delivered an expert talk in a two-day Faculty Development Program on 'Biofuel Prospects and Challenges' which was organized by Mechanical Engineering Department, Brahmdevdada Mane Polytechnic, Belati, Solapur on 24 and 25 March 2022.



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FACULTY'S ACHIEVEMENTS



Dr. Avinash Kolar while receiving his Ph. D. Degree

- **Dr. S. M. Bhosle**



Dr. S. M. Bhosle is an Associate Professor and the Head of Department of Mechanical Engineering. He received PhD Guide Recognition from Savitribai Phule Pune University, Pune.

- **Dr. Dinesh Hanchate**



His patent entitled 'Measures to Reduce and Monitor Sound Pollution in Urban Areas by Making Use of Fog and Edge Computing' has been published in March 2022.

- **Mr. Premanand Kadbe**

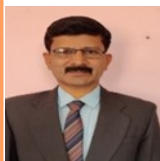


He worked as a Reviewer for the 4th IEEE International Conference on Emerging Smart Computing and Informatics (IEEE ESCI-2022). The Conference was organized by AISSMS Institute of Information Technology, Pune during 9 to 14 March 2022.

- **Mr. M. S. Gaikwad**



He is an Assistant Professor at Department of Mechanical Engineering. He received reviewer recognition from the journal 'Computers and Education: Artificial Intelligence' on 7 March 2022.

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2022**Dr. Anil Disale**

He delivered a talk as a resource person on 'Semiconductor Electronics' at Vidya Pratishthan's English Medium School (CBSE), Baramati on 27 January 2022. 50 students class-12 were present for the same. At the end of talk students were made aware of engineering admission procedure including guidance for preparation of entrance tests like CET, JEE, admission rounds and required documents for the engineering and medical admissions.

Dr. Anil Patil

He completed a 30-Day Faculty Induction Program under UGC Guru-Dakshta-FIP -8. The training program was organised by Human Resource Development Centre of Savitribai Phule Pune University, Pune during 1 March to 30 March 2022. The Faculty Induction Program included training on various topics such as leadership, research and publication ethics, academic and research writing, emotional intelligence, academic integrity and constitutional values and education. He also contributed as a Group Leader during the program along with the academic and research training. The training program proved extremely useful to him as it helped him to develop some useful insights about teaching and learning.

Dr. Anil Disale

He completed Microsoft India and SAP India led Faculty Development Program on 'Cloud Computing' under Tech-Saksham 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.

Mr. Amol Jadhav

He completed Microsoft India and SAP India led Faculty Development Program on 'Cloud Computing' under Tech-Saksham 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.

Dr. G N Narule

He attended an AICTE-ISTE approved Orientation Program on 'Recent Advancement in Environmental and Water Resources Engineering' during 29 December 4 January 2022. The Program was organised by Civil Engineering Department of Anjuman-I-Islams Kalsekar Technical Campus, School of Engineering and Technology, New Panvel, Navi-Mumbai, Maharashtra. Dr. Narule also organised a Seminar on 'Employability Challenges for Civil Engineers to Earn Good Jobs' in collaboration with Mr. Sameer Alone (Founder Director and CEO, Infini Institute of Construction Project Management).



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FACULTY PARTICIPATED IN WORKSHOPS/CONFERENCES AND FDPS COMPLETED OR TRAINING RECEIVED

Dr. Ravindra Patil



He attended a three-day workshop on 'Implementation and Execution of Third Year Civil Engineering 2019 Pattern Syllabus' during 13 to 15 January 2022. It was jointly organized by Board of Studies of Civil Engineering, Savitribai Phule Pune University.

Mr. Dilip Patil



He participated in a One-Week Short-Term Training Program on 'Remote Sensing and GIS' during 21 to 25 February 2022 which was organized by D. Y. Patil College of Engineering, Akurdi, Pune. He also attended a webinar on 'How to Write a Literature Review Paper' which was organized on 5 March 2022 by Institution of Engineers (India), Ahmednagar in Association with Dr. Vitthalrao Vikhe Patil College of Engineering, Ahmednagar. He also attended a webinar on 'Research Paper Writing' on 12 March 2022 which was organized by Institution of Engineers (India), Ahmednagar in Association with Dr. Vitthalrao Vikhe Patil College of Engineering, Ahmednagar. He also attended the national level webinar on 'PBL-Gateway for Enhancing Attitude, Knowledge and Skills held on 26 February 2022 which was organized by Department of Electrical and Electronics Engineering in association with Project Based Learning(PBL) club, Presidency University, Bengaluru.

Ms. Pallavi Bokey



She attended a Short-Term Training Program on 'Remote Sensing and GIS' organized by D Y Patil College of Engineering, Akurdi, Pune during 21 to 25 February 2022.

Ms. Snehal Walke



She attended a session on 'How to Write an Effective Research Paper at UG Level. It was delivered by Dr. Samadhan Mokhade on 21 January 2022. The session was organised by Civil Engineering Student Association (CESA).

Ms. Y. N. Sakhare



She completed an AICTE Training and Learning (ATAL) Academy, Microsoft India and SAP India Faculty Development Program on 'Artificial Intelligence' under TechSaksham Program.

- **The Faculty from Electrical Engineering Department:** Mr. Sandeep Shelar, Mr. Hafiz Shaikh, Ms. Vaishali Deokate, Mr. Rohit Tarade, Mr. Pawan Upadhye, Ms. Shreemati Rokade, Mr. D S Yeole, Ms. Pooja Jaiswal, Ms. Jyoti Kulkarni and Mr. S K Raskar participated in the Seminar on 'Intellectual Property Awareness'. The Program was organised by the Department of Bio-technology and Vidya Pratishthan's Arts, Science and Commerce College, Baramati during on 8 January 2022.



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Mr. Deepak Sonawane

The National Service Scheme conducted the 155th Empanelled Training at Ahmednagar College, Ahmednagar during 2 to 8 March 2022 in which 30 NSS program officers from all over Maharashtra participated. Mr. Deepak Sonawane participated in this seven-day Training Program which was organised by Ahmednagar College, Ahmednagar.



Mr. Deepak Sonawane during the program

Dr. Anil Patil



Dr. Anil Patil completed a Seven-Day Faculty Development Program on **Digital Pedagogy for 21st Century Teachers**. The FDP was organised by G H Raisonni University Saikheda (M.P) School of Commerce and Management during 1 to 8 March 2022. The Faculty Development Program proved useful for Anil Patil.

Ms. Supriya Ghadage



She completed the NITTTR Courses such as 'Introduction to Symbolic Math with MATLAB' on 26 February 2022 and 'Introduction to Linear Algebra with MATLAB' on 9 March 2022.

INSTITUTE OR DEPARTMENT LEVEL PROGRAMS / INDUSTRIAL VISITS ORGANISED

Dr. S. A. Takale



She organised a one-week AICTE-ISTE Approved Refresher Program on 'Cloud Computing and Security Challenges' in Online Mode. It was organized by the Department of Information Technology of Vidya Pratishthan's KBIET, Baramati during 10 January to 15th January 2022. This Program focused on Cloud Computing and its different security challenges. Experts from reputed and premier institutes were invited to deliver the sessions in the Refresher Program. The Program covered topics such as: Role of Authorization in Cloud Computing Security, Hashcat: Powerful Password Cracking Tool, Game-Theoretic Models in the Social Cloud, Cloud Computing Security in Perspective of System and Data, Security Concerns and Solutions at Different Components of Virtualization, Stress Management During Covid-19 Pandemic, AWS External Security Services, Evolving Face of Cloud Security: Addressing Changes and Challenges with a Zero Trust Security Model, Security issues in Cloud Computing and AWS Cloud Security Semblance, etc. The Refresher Program proved beneficial for the participants.



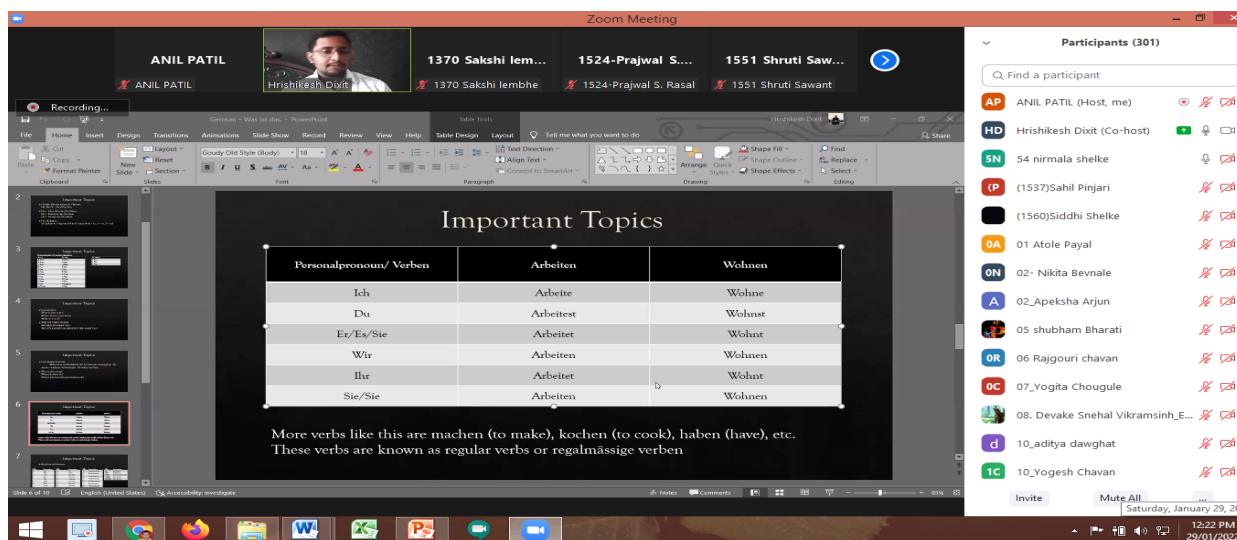
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INSTITUTE/DEPARTMENT LEVEL PROGRAMS OR INDUSTRIAL VISITS ORGANISED

Dr. Anil Patil

We organised a workshop on German Language on 29 January 2022. The workshop was conducted for all the students of VPKBIET, Baramati. The purpose of the workshop was to make students aware about the significance of German language, opportunities after learning the language and also about various online platforms through which German Language can be learnt. Mr. Hrushikesh Dixit (Systems Engineer, Infosys) was the resource person for the workshop. 310 students participated in the workshop and took advantage of it. Dr. Anil Patil planned and coordinated the workshop under the Centre for Enhancement of English and Foreign Languages (CEEFL) of our Institute.



Mr. Hrushikesh Dixit guiding students during the workshop

Department of Electrical Engineering completed the Energy Audit as a part of MoU between VPKBIET, Baramati and Nagar Parishad, Baramati. All faculty of the Department and a few students of Electrical Engineering Department participated in carrying out the energy audit of several Municipal Buildings in Baramati on 7 January 2022. They also completed the Energy Audit of Karjat Nagar Panchayat on 16 March 2022. The efforts of faculty and students were appreciated by Nagar Parishad, Baramati.



BMC in Association VPKBIET
Energy Audit under MoU
16.03.2022 14:22
18.58.17 75.00%



Karjat Nagar Panchayat
Energy Audit
16.03.2022 14:22
18.58.17 75.00%

Faculty and Office Executives during the Energy Audit



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INSTITUTE/DEPARTMENT LEVEL PROGRAMS OR INDUSTRY VISITS ORGANISED

Department of Civil Engineering organised an Expert session on 'Computational Fluid Mechanics' on 6 January 2022. 64 students of SE, TE and Last Year from Civil Engineering Department participated in the program. Dr. Vipin B. Gawande was the resource person for the program. Ms. Pallavi Bokey planned and coordinated the session.

Department of Mechanical Engineering organised an Industrial Visit to Suyash Auto Components Pvt. Ltd., Baramati on 16 March 2022. It was organized for Second Year Mechanical Engineering students by Dr. S. M Bhosle for the subject, Manufacturing Processes. The company is a vendor for Piaggio Vehicles Pvt. Ltd and is involved in manufacturing the body parts for three and four wheelers of PVPL. The students could observe and study various manufacturing operations and industrial practices during this industry visit.



Students, Faculty and Company Executives during the Visit

Department of Mechanical Engineering provided the Consultancy work related to preparation of calibrated scales to measure the water level in the water tanks situated on the buildings under Nagar Parishad Baramati during 13 to 17 March 2022. Mr. Shrinivas Shelge, Mr. Shrikant Mahadik, Mr. Rahul Nimbalkar and Mr. Dipak Taware worked under the guidance of Head of Department, Dr. S. M. Bhosle.



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INSTITUTE/DEPARTMENT LEVEL PROGRAMS OR INDUSTRIAL VISITS ORGANISED



Faculty and Office Executive during the Visit

The Faculty Team of Mechanical Engineering Department visited Karjat Nagar Parishad for Designing and Manufacturing of Calibrated Scales for required water audit purpose. They surveyed all government buildings from the perspective of water utilization, studied measurements of all water tanks of all government buildings including water drinking and utilization tanks. The Team designed and manufactured calibrated scale for it and handed it over to Karjat Nagar Parishad for their daily measurement of water utilization. Team Members included: Dr. Vipin Gawande, Mr. Shrikant Mahadik, Mr. Deepak Taware and Mr. Rahul Nimbalkar.



Faculty and Office Executive during the Visit



Designing and Manufacturing of Calibrated Scale



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

STUDENTS' ACHIEVEMENTS

- **Mr. Amit Kharade**



He is a BE-Mechanical Engineering student. He qualified GATE-2022 in ME and achieved 482 All India Rank.

- **Mr. Chetan Bankar**



He is a BE-Mechanical Engineering student. He qualified GATE-2022 in ME and XE with 4739 and 1048 All India Rank respectively.

- **Mechanical Engineering Students: Mr. Sahil Borate, Ms. Shivangini Kokate, Mr. Shubham Patil, Ms. Payal Pawar (BE-Mechanical) and Dr. P. R Chitragar** jointly published a paper entitled 'Design, Analysis and Performance of Teflon (PTFE, PEEK) Bearings' in Mukta Shabd Journal, Vol. XI, Issue III, March 2022.
- 42 Students from Department of Information Technology got selected for Zensor Employability Skills Development Program. The Third Year students received the training and it proved beneficial for them.

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