

Computer Engineering Department

February-2022

Department of Computer Engineering

The Department of Computer Engineering was established in the year 2000. At that time only degree course was started with 60 intake capacity. Subsequently, in the year 2010, Postgraduate Course was started with 18 Intake Capacity. At present there are 14 teachers working in the department and there are 04 non-teaching staff. The total number of students is 240.

Head of Department: Dr. Chaitanya Kulkarni

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Vision

- ♦ To achieve excellence in field of computer engineering with consistent and collaborative efforts of every individual.

Mission

- ♦ To Develop students with fundamental , advanced tools and technologies to work as a skilled computer professionals with ethical values.
- ♦ To promote faculties for higher education and expose them to current trends to enrich educational quality.
- ♦ To provide appropriate environment with required resources to achieve academic excellence.
- ♦ To develop hand-in-hand relations with industries for catering institute-industry needs.
- ♦ To apply collaborative efforts to make students competent to provide solutions to social problems.



26 January 2022 at VPKBIET Baramati

Computer Engineering Department

February-2022

Technostorm 2K22

Computer Engineering Students Association (CESA) in association with ISTE organized a national level programming competition during 16—18 February 2022.

The response to this competition has been overwhelming. As many as 900 entries came from all over India. HACKERRANK software was used for this competition. The competition was divided into three rounds.

- In Round 1, batches of participants were prepared and their quiz was taken. Out of these, Best 100 Participants were selected.
- In Round 2, these 100 participants were once again asked tough questions and the best 30 were selected.
- Last but not least, the programming test of these top 30 people was conducted in the third round. This test was performed on HACKERRANK software.

WINEERS

| Sr. No | Prize | Name of Winner | College |
|--------|---------|-------------------|-------------------|
| 1 | First | Pratik Gupta | JSPM, Pune |
| 2 | Second | Shaikh Mohammadi | VIT, Vellor |
| 3 | Third | Mahadev Godbole | AG Patil Solapur |
| 4 | Special | Sadaf Shaikh | AG Patil Solapur |
| 4 | Special | Uday Narsale | PES Modern, Pune |
| 5 | Special | Kaustubh Gade | VPKBIET, Baramati |
| 6 | Special | Iqra Khan | PCCOE, Pune |
| 7 | Special | Nivedita Birajdar | PCCOE, Pune |

The overall coordination of Technostorm 2K22 was done by CESA Team under the guidance of Mr. Vyankatesh Rampurkar, CESA Faculty Coordinator. Head of Computer Department Dr. Chaitanya Kulkarni provided invaluable help in this work.

Computer Engineering Department

February-2022

Webinar on "Innovation and Entrepreneurship as Career option"

Department of Computer Engineering in association with Institution's Innovation Council (IIC), VPKBIET conducted one day webinar on "Innovation and Entrepreneurship as Career option" on 26 February 2022.



The main objective of this webinar was to introduce participants the Innovation and Entrepreneurship as Career option. **Dr. Rajaram Sakharam Mane**, (Professor and Director, Innovation, Incubation and Linkages, SRTM, University, Nanded, India) was the keynote speaker of this webinar.


Dr. Rajaram Mane gave great examples of how Innovation and Entrepreneur will help us in career and make the progress using it. Dr. Mane laid special emphasis on the following points.

- Challenges of Human life
- Science and Technology, Global and Indian Scenario
- Training and mentoring of scenario
- Innovation for global welfare and self reliant India
- Humanities top ten challenges for the next 50 years
- Qualities of Researchers
- Invention, innovation and discovery

The overall coordination for this webinar was done by Mrs. Gyankamal Chhajed (Computer Engineering) along with IIC, VPKBIET. Total 74 participant (Students, Faculty) from VPKBIET attended this webinar.

Webinar on "Innovation and Entrepreneurship as Career option"

Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering & Technology, Baramati
in association with
Institution's Innovation Council
Presents a Webinar on
"Innovation and Entrepreneurship as a Career Option"




Dr. Rajaram Mane
Professor and Director, Innovation,
Incubation and Linkages, SRTM,
University, Nanded

Date and Time
26th Feb 2022, 11:00AM -12:00PM

Zoom Link
<https://zoom.us/j/8676197907?pwd=ZG5PYWlXVHVzZkRSK3RITGxmd21PdZ09>

Humanities Top Ten Challenges for The Next 50 Years

1. ENERGY
2. WATER
3. FOOD
4. ENVIRONMENT
5. POVERTY
6. TERRORISM & WAR
7. DISEASE
8. EDUCATION
9. DEMOCRACY 2003 6.3 Billion People
10. POPULATION 2050 8-10 Billion People




Innovation for Global Welfare and Self Reliant India



Stone Age → Bronze Age → Iron Age → Steel Age → Plastic Age/ Digital Age/Space Age

- The 20th Century's unprecedented gains in advancing human development and eradicating poverty came largely from technological breakthroughs.
- Economic growth in countries is directly attributable to science and technology.
- On Science and Technology depends the standards of the living of a Nation.

TECHNOLOGY FEEDS ON ITSELF. TECHNOLOGY MAKES MORE TECHNOLOGY POSSIBLE.

New science can lead to technology, similarly emergence of technology can stimulate science. It is a two way street

The best of innovation in science and technology have come about during the times of war, pandemic and natural disasters



Prof. R.S. Mane

***Webinar on Innovative Aspects of Pattern Recognition, Machine Learning
and Artificial Intelligence in HCI***

Department of Computer Engineering in association with Institution's Innovation Council (IIC), VPKBIET conducted one day webinar on "Innovative Aspects of Pattern Recognition, Machine Learning and Artificial Intelligence in HCI on 14 February 2022.

The main objective of this webinar was to introduce participants the Innovative Aspects of Pattern Recognition, Machine Learning and Artificial Intelligence in HCI



Dr. (Mrs.) Jayshree R. Pansare, (Modern Education Society's, College of Engineering, Wadia College Campus, Pune) was the key-note speaker of this webinar. Dr. Mrs. Pansare covered following important aspects of HCI.

- ♦ **Research in HCI**
- ♦ **Layered Architecture**
- ♦ **Human Computer Interaction (HCI) in detail**
- ♦ **Pattern Recognition in detail**
- ♦ **Hand Gesture Recognition as case Study**
- ♦ **Machine Learning (ML) in detail**
- ♦ **Artificial Intelligence (AI) in detail**

The overall coordination for this webinar was done by Mrs. Gyankamal Chhajed (Computer Engineering) along with IIC, VPKBIET. Total 64 participant (Students, Faculty) from VPKBIET attended this webinar.

Computer Engineering Department

February-2022

Webinar on Innovative Aspects of Pattern Recognition, Machine Learning and Artificial Intelligence in HCI

Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering & Technology, Baramati



Department Of Computer Engineering

in association with

Institution's Innovation Council



Presents a Webinar on

Innovative Aspects of Pattern Recognition, Machine Learning and Artificial Intelligence in HCI



Dr. (Mrs.) Jayshree R. Pansare

Modern Education Society's, College
of Engineering, Wadia College
Campus, Pune

Date and Time

14th Feb 2022 , 12:00 pm

Zoom Link

<https://zoom.us/j/98768978902?pwd=SHJjQnhzdjBCVDFTWWFjd3U1WWt0QT09>

Mrs. Gyankamal Chhajed
Assistant Professor ,
Dept. of Computer Engineering,
Dept. R&D coordinator,
Innovation Coordinator, IIC
VPKBIET, Baramati

Dr. C.S. Kulkarni
Head of Department
Dept. of Computer Engineering,
VPKBIET, Baramati

Dr. Jyoti Rangole
Assistant Professor Dept. of E&Tc
Head ED Cell and Convener, IIC
VPKBIET, Baramati

Dr. R. S. Bichkar
Principal
President, IIC
VPKBIET, Baramati

Poster Presentation

Department organized Poster Presentation Activity on Friday, 11th February 2022 for all students. A total of 58 students (16 groups) were participated in this activity and showcased their ideas of projects.

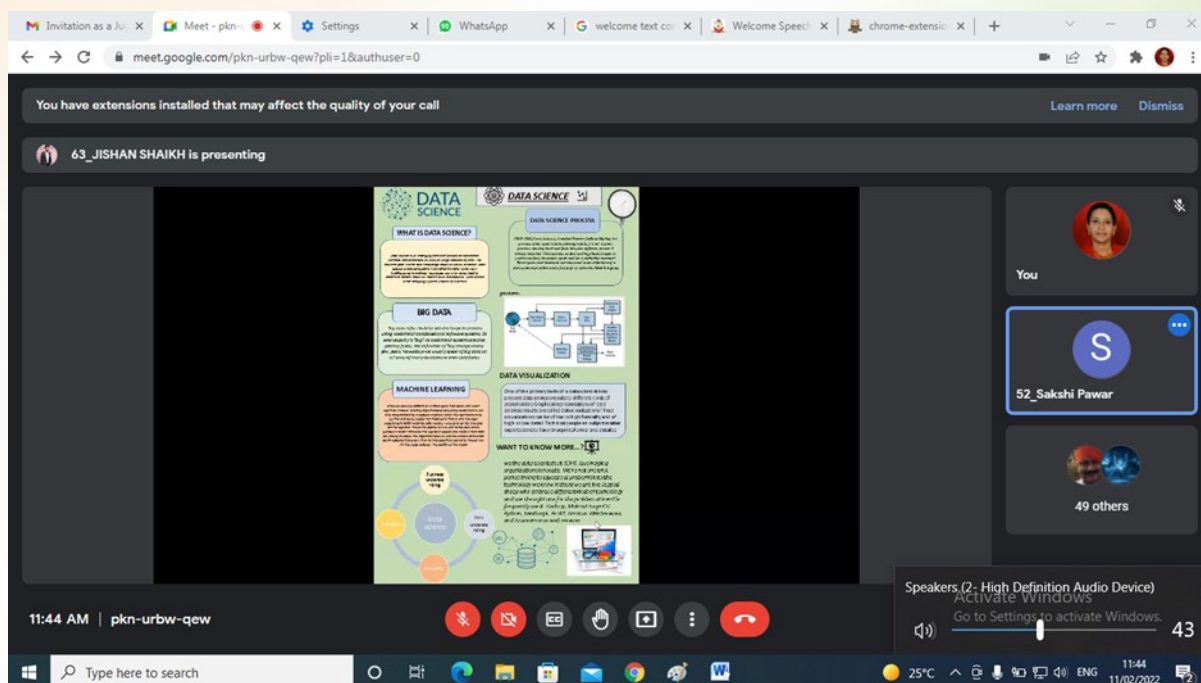
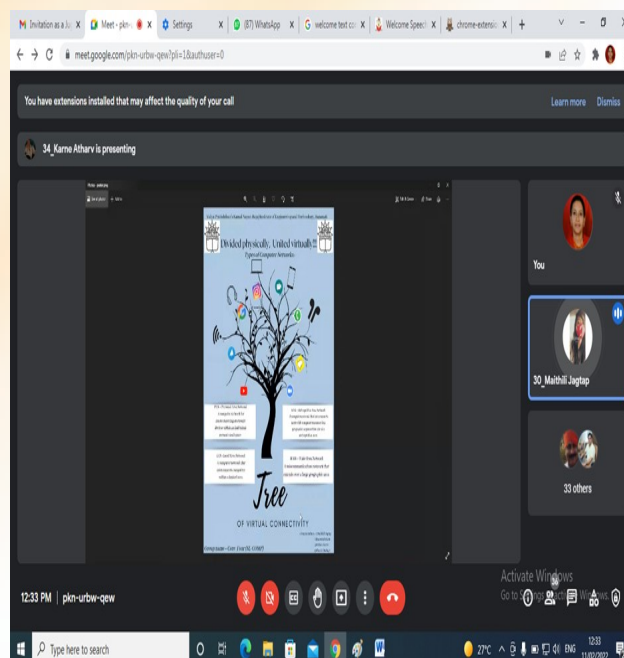
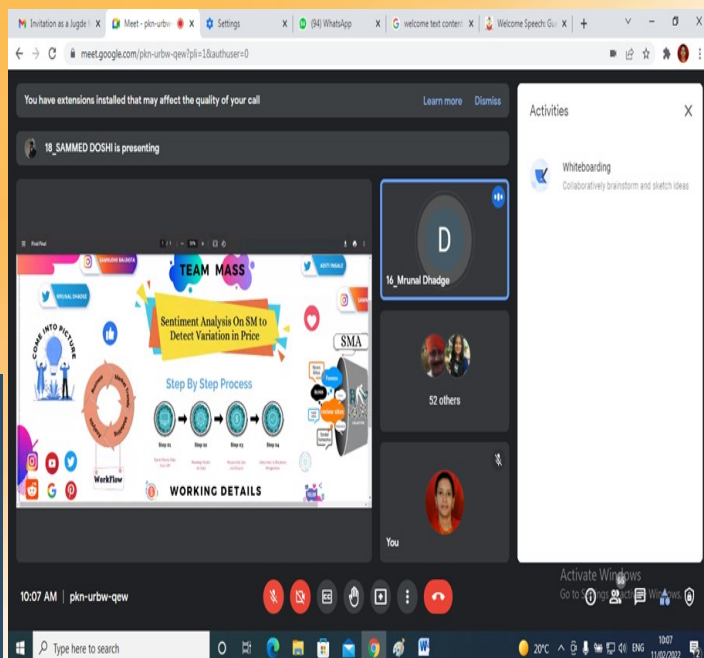
The main purpose of this activity to aware students about the project activity and subsequent activities which includes Team Formation, Communication, Ability to express technical views etc.

The overall activity coordinated by Ms. Pallavi Jawalkar Ma'am with the strong support of Head of Department Dr. Chaitanya Kulkarni. Coordinator Ms. Pallavi Jawalkar introduced the program. Dr. Chaitanya Kulkarni and Shri. Suraj Kumbhar (TPO) acted as the examiner. Speaking on the occasion, Shri. Kumbhar explained the importance of such competition to the students and said that maximum number of students should participate in such activities. Dr. Kulkarni also appealed to the students to take advantage of this opportunity.

Winners of Competition

| Class | Prize | Winners |
|------------|--------|---|
| SE COMP | First | Jagtap Maithili, Karne Atharv, Gade Kaustubh, Ghadage Shruti |
| | Second | Yogansh Wagh, Pratik Ghadge, Harsh Sherekar, Shiv Kotule |
| | | Gauri Maid, Pranjal Nale, Swapnil Khatik, Nishant Kathawad |
| | Third | Sakshi Pawar, Prajakta Ghanwat, Sujata Gawali, Jishan Shaikh Raut Aishwarya, Aditi Bhalekar, Komal Panchal, Vaishnavi Jambhale |
| TE COMP | First | Akanksha More, Kunika Shah, Mansi Todmal |
| | Second | Prajakta Masal, Samina Mulani, Prachi Joshi, Akanksha Nangare |
| BE COMP | First | Abhijeet Bendarge, Mangesh Dhotre, Dipak Chaudhary, Sumit Bhosale |
| | Second | Samrudhi Baldota, Aditi Ingale, Mrunal Dhadge, Sammed Doshi |

Poster Presentation





Dr. Dinesh Bhagwan Hanchate (Associate Professor in Computer Engineering) honored as resource person for the One day faculty orientation program on Software Engineering (SPPU TE COMP 2019 Pattern) at Anantrao Pawar College of Engineering and Research, Pune during 14 February 2022. The orientation program organized in

association with SPPU, Pune. **Dr. Hanchate also delivered** an expert talk on “Artificial Intelligence and role of HR Business sustainability “ on 29 January 2022 in the virtual session arranged by National Institute of Personal Management (NIPM Pune Chapter).

Dr. Hanchate also published a research paper titled “A SEMANTIC TRANSFER OF ENGLISH WORDS FOR ACCESSING ENGLISH TEXT IN HINDI” in Special Issue on Recent Research on Management, Applied Sciences and Technology (Stochastic Modeling & Applications) on 10 February 2022.

Dr. Chaitanya Kulkarni (Head, Computer Engineering) has filed a patent on *IMAGE PROCESSING BASED METHODOLOGY FOR IMAGE SEGMENTATION OF BRAIN TUMORS USING ARTIFICIAL INTELLIGENCE* in India in the month of January 2022. **Dr. Kulkarni** also reviewed an article titled “Software Defect prediction using Deep Learning” for publication in IEEE Access.



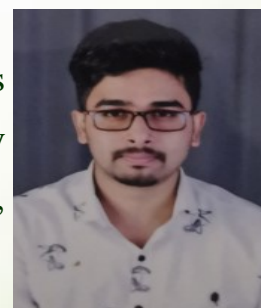
Mrs. Gyankamal Chhajed delivered an expert session on “Human Computer Interface (LP-IV)” for students of BE Computer Engineering on 28 January 2022 at KARMAVEER ADV. BABURAO GANPATRAO THAKARE COLLEGE OF ENGINEERING, Gangapur Road, Nashik.

Workshops / Seminar Participation

| Sr. No. | Participant | Title of Event | Duration | Organized By |
|---------|----------------------|---|----------|--------------------|
| 1 | Ms. Pallavi Jawalkar | Cloud computing and Security Challenges | One Week | VPKBIET AICTE-ISTE |

Placement

Mr. Shubham Pore (BE Computer) got placed in Quest Global . It is providing solutions to engineering problems using IoT and AI. Company has wide base of clients in the area of Defense, Aerospace, Energy, Healthcare , Rail and Semiconductors.

**Internships**

Ms. Sammrudhi Baldota (BE Computer) joined an internship in The Spark Foundation (TSF) Singapore from 1 February 2022. It is one month internship in which task are assigned. Based on the performance in the task, student will get proficiency certificate.

The sparks foundation is working to bring parity in education, making sure children have equal opportunity at success, irrespective of the financial background.