NEWSLETTER

I N F O S P A R K

Editor:Kritika Kori, Prof. Mayuri Vengurlekar

VISION

"To lead the field in Computer Engineering education and to develop student into globally qualified professionals with mastery of software development, a talent for research, and a commitment to moral principles "

MISSION

M1: To produce industry-ready Professionals, Innovators and Entrepreneurs through rigorous academics and cutting-edge technology courses.

M2: To cultivate teamwork and problem-solving abilities.

M3: To foster an awareness of ethical and societal duties.

Established in 2009, the Department of Computer Engineering aims to address the growing demand for trained computer professionals. Currently, we offer a UG course in Computer Engineering with a capacity of 180 students and two specializations in PG. Our faculty is dedicated and highly motivated and provides training to our students using the latest computers and software, with a student-to-computer ratio of 1:1 and a 24x7 internet facility.

In addition to regular classroom teaching, we also conduct special soft skills training programs to develop our students' personality, communication skills, group discussions, and debate which are essential for better placement opportunities. Our department is well-known for its excellentacademic results, and our facultyis engaged in research activities in various fields such as AI, robotics, machine learning, cybersecurity, cloud computing, blockchain technology, networking, and image processing.

❝ Success belongs to those who dare to dream and work tirelessly. Embrace challenges, stay curious, and never stop learning. Together, we can shape a brighter future in technology. 👀

H.O.D.
Dr.Nikita Kulkarni

Activities Conducted-I

International yoga day celebration
[21st June 2024]

ISTE approved STTP on Augmented Reality & Virtual Reality
[8-12th July 2024]

Value Added Program for BE students
[8-12 July 2024]

Monuments of Ancient India under Indian Knowledge System
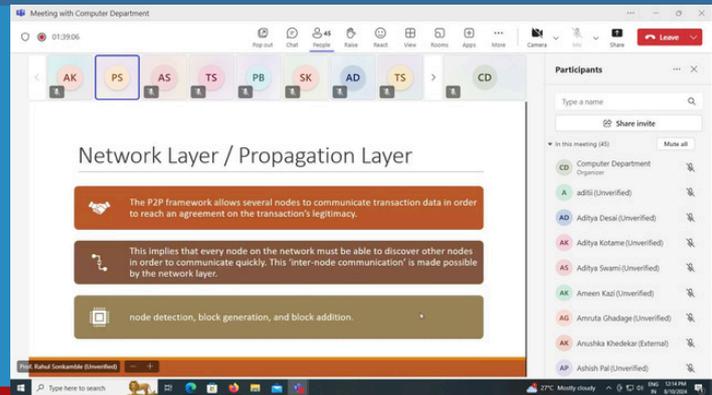[26th July 2024]

Tree plantation
[8th August 2024]

ACES activity "Python Language" Quiz
[30th July 2024]

Activities Conducted-II

Frame Fest – Photography Competition
[07th August 2024]

Noble Personality of Ancient India under Indian Knowledge System
[26th July 2024]

Guest lecture on "Blockchain Technology" by Mr.Rahul Sonkamble, MIT Pune. [10th August 2024]

Smart India Hackathon [6th September 2024]

Quiz on Technical Questions
[19th September 2024]

Parents Meet & Toppers Felicitation
[24th September 2024]

Activities Conducted-III

Avishkar Poster Competition
[25 Sept 2024]

MOU signed with Codezone IT solutions
[8th Oct 2024]

IOT project Exhibition
[10th Oct 2024]

Rangoli Competition [11th Oct 2024]

Cleanliness Drive
[19th October 2024]

Orphanage Visit
[24th Oct 2024]

PLACEMENTS

Bhushit Jaiswal
Promobi Technologies: 6 LPA

Arjun Manure
Ediglobe: 5.5 LPA
webseeder Tech: 4.5 LPA

Aditya Kotame
Ediglobe: 5.5 LPA

Aditi Ghugarkar
MDN Salesforce: 4-6 LPA

Musaddiq Mansuri
MDN Salesforce: 4-6 LPA

Rameshwar Vishwakarma
Eidiko System: 4.7 LPA

Vivek Adawale
Kanini: 3-6 LPA

Aditya Desai
Kanini: 3-6 LPA

Manoj Pise
Tudip Technology: 4 LPA
Eaglebyte Solutions: 3.2 LPA

Meet The ACES

[Association of Computer Engineering Students]

"Leading the ACES Club as President is a journey of innovation, collaboration, and growth. Together, we aim to create an environment where ideas flourish, connections deepen, and every voice finds its space. It's a privilege to work with such talented individuals, shaping events and initiatives that reflect the spirit of ACES. Let's continue to push boundaries and make a difference, one step at a time!"
Deep Chakraborty (President, ACES)

As the Vice President of the college, I am dedicated to fostering collaboration, promoting growth, and ensuring that every voice is heard as we work together to achieve excellence and progress. In the esteemed role of Vice President and as a valued member within the ACES committee, I find immense joy in contributing to our dynamic team. My responsibilities involve assisting in leadership and supporting the committee's mission of fostering an inclusive community. Serving as Vice President is a fulfilling role."
Harsh Sarpale (Vice President, ACES)

"As the Treasurer of the ACES committee, I am privileged to contribute to the growth and success of our community. Working alongside passionate individuals, we strive to create an environment where everyone feels empowered and valued. This role allows me to directly influence the positive changes we aim to achieve, and I am excited to continue this journey of growth and collaboration."
Suyash Deshmukh (Treasurer, ACES)

FACULTY ACHIEVEMENTS-I

- Dr. Nikita Kulkarni & Prof. Geetanjali Bansod has published a scopus indexed paper on "LEGAL AND MANAGEMENT FRAMEWORK FOR AI-POWERED IOT COMMUNICATION IN MEDICAL DEVICE SYSTEMS: A REGULATORY ANALYSIS" in Health Informatics Journal.

- Dr. Shankar Amalraj has published an International paper on "PEROVSKITE NANOSTRUCTURES MATERIALS VERSATILE PLATFORM FOR ADVANCE BIOSENSOR APPLICATIONS" in the journal of Sensors and Actuators Reports (Elsevier)

- Dr. Aparna Hambarde has published a paper on "ENHANCED CYBER-ATTACK IDENTIFICATION IN INTERNET OF THINGS NETWORKS WITH GRADIENT BOOSTING AND DEEP BELIEF NETWORK" in the Journal of Technology with ISSN:10123407

- Prof. Mayuri Vengurlekar & Prof. Satish Yedge has presented a paper on "EYES ON HEALTH: "A DEEP LEARNING APPROACH FOR OCULAR OR EYES DISEASE DETECTION" in the 3rd IEEE ICBDS 2024.

- Dr. Shankar Amalraj has presented a paper on "MANUAL AND ADAPTIVE TUNED PID CONTROLLERS FOR INDUSTRIAL APPLICATION" in 4th International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE)

- Dr. Nikita Kulkarni successfully completed the "Introduction to Internet of Things" course offered by NPTEL at the national level with Elite. [Jul-Oct 2024]

- Dr. Nikita Kulkarni has published a scopus indexed paper on "HUMAN IN LOOP MACHINE LEARNING: A PARADIGM SHIFT" in Panamerican Mathematical Journal .

- Prof. Ashwini Kamble successfully completed the "Cloud Computing" course offered by NPTEL at the national level with Elite. [Jul-Oct 2024]

FACULTY ACHIEVEMENTS-II

- Dr. Aparna Hambarde has published a paper on "ADAPTIVE GRID-TO-VEHICLE AND VEHICLE-TO-GRID CONTROLLER FOR ELECTRIC VEHICLE CHARGING STATIONS USING AI" in the Communication and Management Journal with ISSN:2269-7195

- Dr. Shankar Amalraj has published a paper on "ZIF-67 DERIVATIVES OF NICO2S4 DECORATED IN SALEN-COMPLEX AMINE FUNCTIONALIZATION GO LAYERS FOR HIGH-PERFORMANCE APPLICATIONS IN SUPER CAPACITOR DEVICES. " in the journal of biological and chemical luminescence.

- Dr. Aparna Hambarde has published a paper on "ADVANCED EARTH OBSERVATION MONITORING THE TERRESTRIAL OCEANS AND ATMOSPHERE WITH AI AND REMOTE SENSING TECHNOLOGIES" in the Gradiva Review Journal with ISSN:0363-8057.

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- Dr. Aparna Hambarde has published a paper on "CONVOLUTIONAL NEURAL NETWORKS IN PARALLEL FOR IMPROVING SPEECH IN ONLINE AUDIO PROCESSING" in the LIBERTE JOURNAL (ISSN:0024-2020).

- Dr. Vinod Ingle has presented a paper on "HAND GESTURE BASED AI CONTROLLER FOR PRESENTATION, VIRTUAL DRAWING AND SYSTEM VOLUME MANAGEMENT" in 2nd IEEE DMIHER International Conference on "Artificial Intelligence in Healthcare, Education & Industry" (IDICAIHEI 2024)

- Prof. Mayuri Vengurlekar successfully completed the "Deep Learning" course offered by NPTEL at the national level. [Jul-Oct 2024]

- Prof. Ulka Bansode successfully completed the "Introduction to Machine Learning" course offered by NPTEL at the national level. [Jul-Oct 2024]

Faculty Achievements

Dr. Umar Mulani
PhD Completed

Dr. Aparna Hambarde
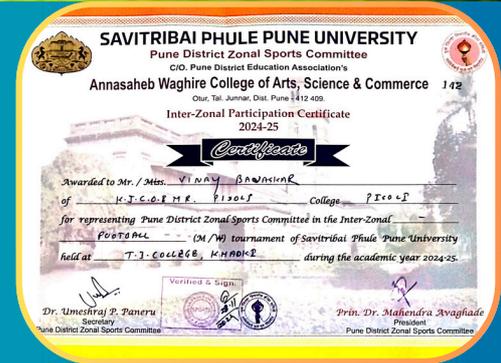PhD Completed

Dr. Vinod Ingle
PhD Completed

STUDENT ACHIEVEMENTS-I

- **Vinay Bawaskar [SE] representing the Pune District Zonal Sports Inter-Zonal Football Team of Savitribai Phule Pune University during the academic year 2024-25.**

- **Group of SE students winner of Internal Smart India Hackathon "RailMapper Enhancing Navigation for Railwat Station Facilities and Locations."**

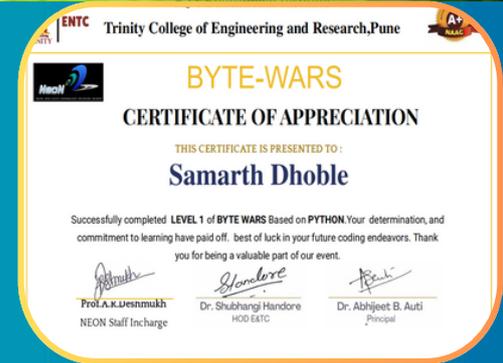**Group of TE students winner of Internal Smart India Hackathon "Gun Shot Detection"**

- **Swapnil Bankar, from BE Comp, recently completed 4 sorties of Virus SW 80 Garud Microlight aircraft at NDA and alongside he was Commanding officer of 3 MAH AIR SQN Group Captain Abhijeet Khedkhar.**
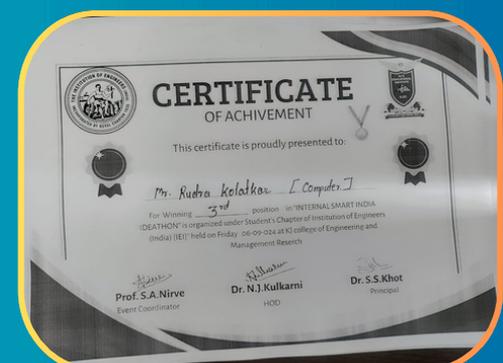
STUDENT ACHIEVEMENTS-II

- **Samarth Dhoble got Participation certificate of BYTE WARS coding compitition organized by trinity college of engineering and research**

- **Mr. Deep Chakraborati participated in the Internal Smart India Ideathon under the Students chapter of IEI held on 6th Sept 2024 at KJCOEMR**

- **Mr. Rudra Kolatkar participated in the Internal Smart India Ideathon under the Students chapter of IEI held on 6th Sept 2024 at KJCOEMR**

- **Ms. Isha Suroshi participated in the Internal Smart India Ideathon under the Students chapter of IEI held on 6th Sept 2024 at KJCOEMR**

STUDENT ACHIEVEMENTS-III

- **Mr. Prajwal Deshmukh [SE] has won the first prize in IKS: Monuments of Ancient India**

- **Ms. Spoorti Kuber[SE] has won the first prize in IKS: Noble Personality in India**

- **Saurabh Magar & Swayam Margudri from TE are the winners of Technical Quiz Competition on C++**

- **Vrushali Nagawade and Kritika kori are the winners of Photography and Art Poster Competition**

STUDENT ACHIEVEMENTS-IV

- **Aditya Jadhav, ayush Bhure and Bhushit Jaiswal has published a per on "A Survey Paper on Language Translation Tool for for Indian Languagesin Chat Systems" in International Journal of All Research Education and Scientific Methods (IJARESM)**

- **Aditya Desai, Soham Bhamare, Prathmesh Bamne, Vivek Adawale has presented a Survey Paper on LSTM-Based Approach for DeepFake Video Detection in International Journal for Research in Applied Science & Engineering Technology (IJRASET)**

- **Dipali Ghuge, Shravani Jagtap, Mansi Gudge, Anuja Gudhage, has presented a "Review of Real Time Smart Traffic Control System Based On Pixel-Labeling and Sort Tracker" in International Journal of All Research Education and Scientific Methods (IJARESM)**

- **Athurv Bhogate,Aditya Swami, Akash Varde, Swapnil Atpadkar has presented a "Customer and price analysis for customer retention using Churn Modeling: Survey Paper" International Journal of Scientific Research in Engineering and Management (IJSREM)**

STUDENT ACHIEVEMENTS-V

- **Saket Patil, Vaishnavi Patil, Dnyaneshwari Navathar, Aditi Ghugarkar has published A Research Paper on AI Music Generator Using Streamlit and MusicGen" in International Journal of Research Publication and Reviews**

- **Parul Patil, Yash Patel, Prajakta Jagtap has published a paper on "Extensive Review on Multiple Disease Detection using Machine Learning" in IJRASET**

- **Jankee Patil, Prathmesh Jamale, Surbhi Kate, Sakshi Loni has published a paper on "Digital Image Forgery Detection using Deep Learning" in IJSREM**

- **Saniya Devale, Anushka Khedekar, Manasi Gaikwad, Dnyaneshwari More has published a paper on "Extensive Review Paper on Computational Catalyst Discovery using Machine Learning Algorithms" in IJRASET**

Alumni Achievements

Omkar Pawar
selected as Food Supply Inspector, Govt. of Maharashtra

Harshad Salunkhe BE Computer(23-24) selected in TCS [10 LPA]

Vaibhavi Nanaware BE Computer(23-24) student selected in TCS [7 LPA]

Department Achievement

The Computer Engineering Students' Chapter of IEI at KJ College of Engineering & Management Research is awarded a Certificate of Appreciation by the Western Zone for the highest student member enrollments in AY 2023-24.