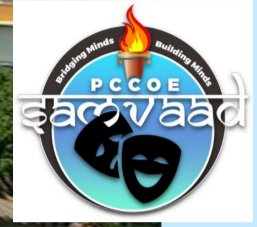


PCCOE'S Samvaad

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.....Connecting Minds & Souls

Our Patrons : Pimpri Chinchwad Education Trust

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Founder President



Late. Smt. Lilatai Shankarrao Patil
Ex-President



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Samvaad Editorial Article: India's Journey Through Dam Safety and Seismic Vigilance

The journey painted a picture of a nation committed to safeguarding its dams, not just as structures of concrete and steel but as symbols of water security and bastions of safety in the face of seismic challenges. The journey continued, with each revelation in the seismic analysis paving the way for a future where India's dams stood resilient, ready to face the unpredictable forces of nature and ensure the well-being of its people.

In the vast expanse of India's landscape, where rivers crisscrossed the plains and mountains, a silent network of dams stood as guardians of the nation's water security. The story began in April 2012, when the Ministry of Water Resources, River Development & Ganga Rejuvenation initiated the Dam Rehabilitation and Improvement Project (DRIP). With 5334 large dams already in operation and 411 under construction, the responsibility of ensuring their safety and proper management loomed large.

The first phase of DRIP, a colossal endeavour with a budget of INR 2100 Crore (US\$M 437.5), concluded successfully in March 2021. It had rehabilitated 223 dams across seven states, fortifying their structural integrity and operational efficiency. The success marked a turning point, propelling India into the next phase – DRIP Phase II and Phase III. As the nation geared up for this ambitious project, the focus shifted to an integral aspect of dam safety – seismic analysis. The Seismic Analysis for Dams unfolded, a comprehensive guide born out of the collective effort to equip dam engineers, regulators, and stakeholders with the knowledge and tools necessary to enhance dam safety against seismic events. It needs to delve into the heart of why seismic analysis was paramount. It recounted historical incidents, like the devastating Bihar earthquake of 1934, which exposed the vulnerabilities in dam infrastructure. The lessons learned from such events had become the foundation for a heightened awareness of seismic considerations in dam design and maintenance. More recent seismic events, like the 2001 Bhuj earthquake and the 2015 Nepal earthquake, served as stark reminders of the imperative for detailed seismic analysis, pushing for continuous improvement in dam safety protocols.

The shortcomings of traditional dam design methods came to light. It needs to be advocated for modern seismic analysis procedures detailed, incorporating realistic ground motions and dynamic considerations. It needs to address the limitations of conventional finite-element methods and called for on-going research to refine analysis procedures. It emphasized the need for a more dynamic and comprehensive seismic analysis to ensure the resilience of dams in the face of seismic challenges. The narrative unfolded to explore the regulatory framework governing dam safety. In India, a robust national regulatory frame-

work, led by entities like the Ministry of Jal Shakti, Central Water Commission (CWC), Dam Safety Organizations (DSOs), and the National Committee on Dam Safety (NCDS), reflected a commitment to aligning with global best practices. The evolution of regulations, legal frameworks, and integration with environmental and social regulations is integral parts, showcasing a holistic approach to dam safety. Internationally, the alignment of Indian dam safety codes with standards from organizations like the International Commission on Large Dams (ICOLD) showcased a global perspective. The adaptability of codes to India's unique geological, hydrological, and socio-economic context ensured relevance and effectiveness.

The narrative continued to explore site characterization, emphasizing geological, geotechnical, and hydrogeological considerations. Historical seismic activity studies, hydrogeological interactions, and the impact of reservoir-induced seismicity were scrutinized. The seismic analysis emerged as a beacon guiding dam professionals through the complex landscape of seismic considerations.

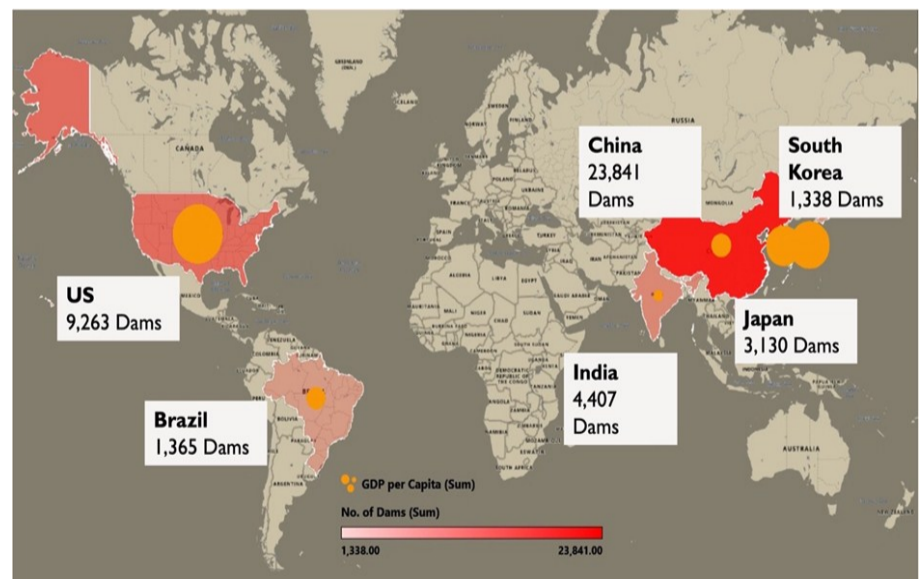


Fig. LARGE DAMS WORLDWIDE (TOP 6) and Economy size

Dr. Sharad Ghodke,
Horizon Post-doctoral Fellow, BCCE
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*** Team Samvaad ***

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PCCoE Annual Social Gathering "Swaratarang 2024" Day 1

"Kavi Sammelan" was conducted on 23rd January 2024 under the Annual Techfest Swartarant 202, as a inaugural event of **Swartarang 2024**. Hon. Shri. Ramdas Phutane, a renowned political poet, was available as the Guest of Honour for the event. Hon. Shri. Anil Athlekar was the Chief Guest for the Event. The event started with the Lamp lighting ceremony from all the dignitaries. the event proceeded with the felicitation of the Guest of Honour by the hands of respected Director Sir, Dr. Govind N. Kulkarni and Dr. P.R. Kale with a bouquet, memento and shawl to show our respect and love. The event started with the online opening of the Swartarang 2024 with the display of poster for the event. The event had the participation of over 20 participants who presented their self written poems in the event. The exhibition featured a diverse range of artwork, including striking sketches, vibrant paintings, and captivating photographs, each reflecting the unique emotions and inspirations behind their creation. Many artists were keen to share the stories and emotions that fueled their work, providing insightful narratives into their creative process. This year's Swartarang event proved to be a remarkable success, featuring a total of 60 registrations, from which 25 students were selected to showcase their musical talents.



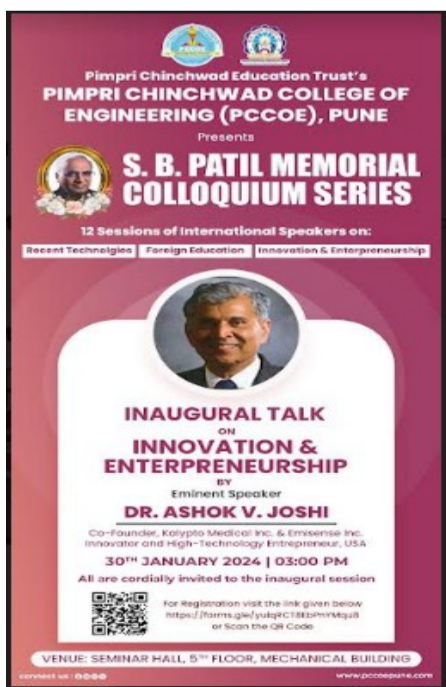
PCCoE Annual Social Gathering "Swaratarang 2024" Day 2

On the occasion of swartarang 2024, our college arranged a Funfair, which included Food stalls, fun games, and Music on demand. This year, MESA successfully conducted the **Funfair** under the guidance of Prof. Anand Birajdar on 23rd January. **PCCOE champions** was first conducted by PCCOE Art circle under Swartarang 2k23. It is an inter-departmental battle. 9 departments including CS, IT, EnTC, Mech, Civil, AIML, AS&H, MCA, B.voc fought against each other in 7 competitions like **Rangoli**, painting, Photography, Solo Dance, Group Dance, Elocution and Quiz. The department with the most number of points is declared as the winner. **Rampwalk** was basically a runway where our students walked down to display rich culture of India as well as journey from where Indian cinema started. The Fishpond event at Swartarang was a multi-step process that engaged participants across all seven departments of our college.



PCCoE's S. B. Patil Memorial Colloquium Series : Session 1

A lecture series titled, "**S. B. Patil Memorial Colloquium**" Series by eminent International experts is organized for the students and faculty members of the institute comprising 12 sessions during the academic year 2023-24 and 2024-25. **Dr. Dinesh Amalnerkar**, Advisor, Research and International Academics is guiding in identifying the experts from various countries. Inaugural talk of **Dr. Ashok Joshi** on "**Innovation and Entrepreneurship**" was conducted on 30th Jan'2024 at 3 pm. He has shared his journey of Entrepreneur from Junior Engineer to President of Ceramtek to Co-Founder of 10 industries in the USA. The session was very informative and interactive. **Dr. Govind N. Kulkarni**, Director, Pimpri Chinchwad college of Engineering has explained the life journey of Late Shri S B Patil sir. This program is organized by Dr. Rajesh Phursule, Asso. Prof.(IT), Department, Dr. Laxman Avadhani, Asso. Prof.(Mechanical), Dr. Sujata Kolhe, Asso.Prof. (Computer Department).



Mechanical Department

Mechanical engineering is a diverse and challenging field that encompasses the design, development, and maintenance of mechanical systems and machinery. It is a discipline that requires a strong understanding of physics, mathematics, and materials science, as well as creative problem-solving skills and a passion for innovation. One of the key aspects of mechanical engineering is the design and analysis of mechanical systems. This can involve anything from small components such as gears and bearings, to large-scale systems like industrial machinery and vehicles. Mechanical engineers must consider factors such as material selection, manufacturing processes, and environmental impact when designing these systems, and strive to create efficient, reliable, and cost-effective solutions. In addition to design, mechanical engineers are also responsible for the development of new technologies and products. This often involves conducting research and testing to improve existing systems or creating entirely new innovations. Whether it's developing more efficient engines, designing advanced robotics, or creating sustainable energy solutions, mechanical engineers play a critical role in driving technological progress and improving the quality of life for people around the world. Mechanical engineering also plays a crucial role in addressing global challenges such as climate change and sustainability. Engineers in this field work on projects related to renewable energy, energy efficiency, and environmental impact reduction. They are at the forefront of developing new technologies and solutions to address these pressing issues, making a significant contribution to building a more sustainable future. The field of mechanical engineering is constantly evolving and expanding, with new technologies and innovations driving continued growth and opportunities. The demand for mechanical engineers is strong across various industries, including automotive, aerospace, energy, and manufacturing.

In conclusion, mechanical engineering is a dynamic and rewarding profession that offers a wide range of opportunities to make a positive impact on the world.

— by a Student of mechanical department.

* Who am I?

On a dull night drenched in the rainfall,
Cool breeze lingered around,
An innocuous dog curled up in a ball,
Complaining in a whimpering sound
Surrounded by an air of pensive sadness,
His thoughts melted in despair,
Fading into the alluring madness,
Going back and forth on an old rocking chair,
I should have been a traveler,
Going wherever I please
I should have been a musician,
Performing in a rock concert,
Why an Engineer, he asked with lacking ambition,
To the passing night that seemed shaken but unhurt
At the horizon a bright fireball appeared,
Painting the sky orange in uniform strokes,
The dog felt the warmth and cheered,
It yawned and stretched and revived its hopes
Birds spread across the infinity,
Like they'd just been released from a cage,
My thoughts assumed serenity,
That perhaps better suited a sage
I design the medical equipment,
That the doctors choose,
I contribute to the transport segment,
And to infrastructure that travelers use
I ferry the musician's melody
To the yearning ear,
I make things possible,
Because I am an Engineer

—Mrudula Lele [F.Y Btech



Sketches by Miss Harshal Wagh (FY Mech)



Technical Feast

* Students special achievements :-

Formula Bharat Student Racing Championship 2024

Formula Bharat 2024 held @Coimbatore between 19th - 24th January. PCCoE Team Kratos secured the **overall 3rd rank in the *Electric Vehicle*** category. **2nd rank in *Engineering Design*** in the EV category. Kratos received the ***Most Hospitable Team*** Award. Also bagged the special award for ***Best Powertrain Design*** in the Electric Category, sponsored by Zuken India Private Limited. Congratulations to Team KRATOS and Mentor Mr. S.R. Wankhede.



Congratulations Dr. A.N. Kore Successfully defended his PhD thesis on 18/01/2024 for his doctoral degree



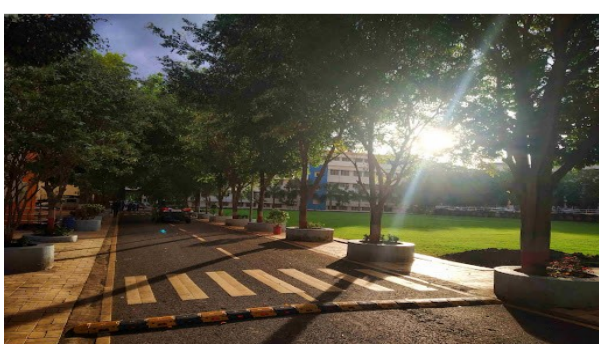
Electric Category, sponsored by Zuken India Private Limited.

Congratulations to Team KRATOS and Mentor Mr S R Wankhede

The **Invention** on "Solar Air Dryer with Phase change materials in Drying Trays" by Dr. S.P.Salve and Dr. A.M. Fulambarkar **patented** by Govt. of India, Patent No. 496066, Dated 08/01/2024.

Quotes of the month

- ⇒ *There is no security on this earth; there is only opportunity.*— Douglas MacArthur
- ⇒ *Whenever you see darkness, there is extraordinary opportunity for the light to burn brighter.*— Bono
- ⇒ *Problems can become opportunities when the right people come together.*— Robert Redford
- ⇒ *Opportunities do not come with their values stamped upon them. Everyone must be challenged. A day dawns, quite like other days; in it, a single hour comes, quite like other hours; but in that day and in that hour the chance of a lifetime faces us.*— Maltbie Davenport Babcock



Electronics & Telecommunication Department

1. ETSA Fest-X

ETSA-IETE-IEEE from ENTC Department recently hosted an exciting event Fest-X, from January 18th to 19th, bringing together engineering enthusiasts for a thrilling adventure, had a lot of fun activities for everyone. There were challenges like Engineering Odyssey, where teams solved puzzles and worked together to find hidden clues. Binge Trivia was great for fans of popular shows, testing what they knew about characters and storylines. How I Met Your Murderer let people pretend to be detectives, figuring out a crime scene mystery. Embedded AI was about making everyday things smarter, and Mind Sync was all about teamwork. Overall, the Tech Fest was a really fun event that brought people together to have a good time and learn new things.



2. AutoExpo

AutoExpo kicked off on January 12th, bringing together car lovers for an exciting show. Organized by ETSA, IETE, and IEEE from ENTC Department, the event welcomed the "PistonWolves" club, showing off their cool cars and impressive stunts. With engines roaring and tires screeching, spectators watched in awe as drivers pulled off daring moves. Beyond the excitement, AutoExpo was a chance for people to connect and share their love for cars. As the event wrapped up, attendees left with memories of thrilling performances and a newfound appreciation for the world of automobiles.

3. B.Tech Project Mela

From January 2nd to 4th, 2024, The E&TC Department of Pimpri Chinchwad College of Engineering and the MHRD Institutions Innovation Council joined hands to host the B.Tech Project Mela, a vibrant event for final-year students. Showcasing a wide range of innovative projects, from cool gadgets to new communication ideas, the event highlighted the creativity of young engineers. Through workshops and talks, attendees learned about making projects and starting their own businesses in a straightforward manner. The Mela also stressed how what students learn in school connects to real-life situations, preparing them well for future careers. With newfound confidence, participants left the event ready to take on the world of engineering.



4. Semiconductor Workshop

A workshop on 'Emerging Trends in Semiconductors' at Pimpri Chinchwad College of Engineering immersed attendees into the world of tech. Led by Jeevan P Urs from CoreEL Technologies, participants explored FPGA architecture and Vivado software. Hands-on activities included project creation and Verilog coding on Zybo FPGA board. Expert speakers navigated topics like chip verification goals and formal property verification, contributing to a holistic understanding of semiconductor design. Practical sessions covered layout design, simulation techniques, and IP creation. Gratitude extended to Dr. Dipti Khurje and PCCOE for the opportunity.

The Indian Knowledge System (IKS)

🌟 Greetings from Pimpri Chinchwad College of Engineering 🌟

🎉 *Join IKS Poster Making Competition – Win cash prizes & AICTE Internship as well!* 🚀

Dear Students,
Exciting news!
PCCOE is organizing an IKS Poster Making Competition in-line with the Indian Ministry of Education's initiative to promote and cultivate the archaic Indian knowledge amongst the young minds. Choose a theme and express the concept!!

Prizes:

1st Prize: ₹5,000 🏆

2nd Prize: ₹3,000 🏆

3rd Prize: ₹2,000 🏆



Top teams will get a chance to grab AICTE paid internships!

Internship Opportunities:

For any queries contact:

Dr. Sandeep Patil 9960944322

Dr. Deepa Abin 9922415717

Five consolation prizes

1. Form a team (maximum 4 members allowed).
2. Choose one out of the 18 themes of IKS.
3. Register using the below Google form and express your idea to innovate in IKS

<https://forms.gle/yt3t7mg3pNLGrXu36>

Open to all Department Students

Come forward and give your willingness to participate. Register now!! 🎉

Deadline: Feb 5, 2024 🕒

Pimpri Chinchwad Education Trust's
PIMPRI CHINCHWAD COLLEGE OF ENGINEERING
Sector No. 34, Prahladnagar, Nigdi, Pimpri-Chinchwad, Maharashtra 411044
www.pccoe.edu

IKS POSTER MAKING COMPETITION

Join the Ministry of Education's IKS Division in preserving and advancing Indian Knowledge Systems! PCCoE hosts a dynamic poster competition in alignment with IKS initiatives. Elevate your impact—contribute to the legacy of our cultural knowledge. Engage, create, and shape the future!

Exciting Prizes

1st Prize | Rs 5,000/-
2nd Prize | Rs 3,000/-
3rd Prize | Rs 2,000/-
Five Consolation Prizes
Paid Internship Opportunities at AICTE!!

Register Now!!

Deadline: 5th Feb 2024

Poster Guidelines

- The contents of the poster should be aligned with the theme you have chosen.
- For presentation purposes, you will be given a space of A0 size (84.1 cm(W) x 118.9 cm(L) or 33.1 inches x 46.8 inches) in portrait mode.
- Include the main title, author names (up to 4, including the author), and the corresponding author's email address.

For any queries contact
Dr. Sandeep Patil 9960944322
Dr. Deepa Abin 9922415717

Computer Engineering Department

संस्कार शाळा

संसाररूपी गाडा इकडे तिकडे न वळता एकदा सरळ रेषेत आपल्या ध्येयाकडे वाटचाल करू लागला ना.. की मग या संसार वेलीवर कळ्या आणि फुलं, मुलं आणि मुलींच्या रूपात तुमच्या आमच्या घटत्यात जन्म घेतात. 'मुलं म्हणजे देवाघरची फुलं'. कोणाच्या घरट्यात, अंगणात किती येतील आणि रंगरूप, सुंदर, कुरूप किंवा कोणी व्यंग घेऊन जन्माला येतात. पण आपण म्हणतो ना, 'देवाची करणी आणि नारळात पाणी'... त्याप्रमाणे ही निसर्गाची देणगी आहे, असेच म्हणावे लागेल.

निरागस, निरूपद्रवी आणि निर्मळ मनाची असलेली ही मुले, निष्कलंक असतात. मऊ लोण्याच्या गोळ्या प्रमाणे अथवा कुंभार जसा मातीच्या गोळ्याला आकार देऊन, त्यापासून हव्या त्या आकाराच्या मातीच्या भांड्यांची निर्मिती करतो. त्याप्रमाणे आई-वडिलांच्या, आजो आजोबांच्या, आणि इतर नात्यांमध्ये चांगले संस्कार घडून मुले मोठी होतात. बालपणी त्यांना खुशाल अंगणात, पटांगणात खेळू द्यावे. निसर्ग, नातीगोती यांची ओळख करून द्यावी. 'शरीर सुदृढ तर मन सुदृढ'... या उक्तीप्रमाणे त्यांच्या मध्ये व्यायामाची आवड निर्माण करणे गरजेचे आहे. पाठांतर, अक्षर लेखन यांची आवड त्यांना आयुष्यभर साथ देईल. पण ही मडकी व्यवस्थित भाजली गेली आहेत का? त्यांनी चांगला आकार घेतला आहे का? यावर नजर ठेवावी लागेल. पुढे आपल्या आयुष्याच्या संध्याकाळी आपल्याला थंडगार पाणी त्यांनीच द्यायला हवे ना? आणि मग आपले संस्कारच घडवतील, ही चांगली नाती.

शिक्षण मुलांना घडवते. शिक्षक मुलांवर संस्कार करत असतात. तेवढेच संस्कार निसर्ग सुद्धा मुलांवर करत असतो. 'निसर्ग हा गुरू आहे'. निसर्गात ही मुले वाढत असतात. मोठ्या माणसांनी जसे खुप मोठे उन्हाळे, पावसाळे पाहिले असतात. अगदी त्याचप्रमाणे लहान मुलांवरही, मोठ्या माणसांसारखे हे ऋतू संस्कार करत असतात. पण मग शाळेला जायचा कंटाळा आल्यावर, मंगेश पाडगावकर यांनी लिहिलेल्या गीताप्रमाणे तीही म्हणणारच की...

सांग सांग भोलानाथ । पाऊस पडेल काय ?

शाळेभोवती तळे साचून सुट्टी मिळेल काय?

घर ही संस्कार रूपी शाळाच आहे. मुलांना घडवणारे पालक, शिक्षक संस्कार तर चांगलेच देणार ना? कुणाच्या घरात कसा नारळ निघेल हे लगेच तर काही सांगता येत नाही. कालांतराने हळूहळू कळत जाते. ज्याच्या घरी चांगली मुले जन्माला आली त्याला नारळ पावला आणि ज्याच्या घरी दुर्जन, व्यसनी मुले जन्माला आली त्यांचा नारळ नासका निघाला, असे म्हणावे लागे

या संस्कार शाळेच्या घडणीतून तयार झालेली मुले-मुली मोठी होऊन संस्कारित घरे स्थापित करतात. विविध व्यवसाय, सरकार मधील विविध पदे आणि सरकारे, डॉक्टर, इंजिनियर, वकील, शास्त्रज्ञ या पदांवर जेव्हा काम करतात.

हिमालयाच्या सर्वोच्च शिखरावर तसेच चंद्रावर देखील आपल्या देशाचा ध्वज फडकवतात. आपल्या देशाच्या व अन्य देशांच्या पंतप्रधान पदी पोहचतात.

आता तर संगीत, सिनेमा, नाटक अशी किती तरी क्षेत्रे त्यांच्या साठी खुली आहेत. अहो... 'काही नाही शिकला तर घराची शेती तर आहेच की... त्याच्यासाठी'. असे शेतकरी म्हणतात. शेतीला सुद्धा कोणी कमी लेखू नये. शेतीमध्ये राहून सुद्धा कोटीच्या कोटी उड्डाणे घेणारे शेतकरी आपण आजूबाजूला पाहतो. अंग मेहनतीचे काम करताना खरा घाम येतो आणि शेतकऱ्यांचे शरीर शेवटपर्यंत आजारांपासून लांब असते. शिक्षण, काम कोणत्याही क्षेत्रात चालेल फक्त आपण मुलांना व्यसनापासून लांब राहायला शिकवायला हवे. अभंग, श्लोक, भजन आणि वारकरी प्रबोधन यांनी सुद्धा मुलांवर चांगले संस्कार केले जातात. इतर देशांच्या तुलनेत आपल्या देशाचे पिढ्यान् पिढ्या चालत आलेले हे संस्कार नक्कीच चांगले आहेत.

जीवनाच्या एखाद्या सायंकाळी हे संस्कार आपल्याला आनंद देवून जातात. जुने दिवस आणि बालपण आपल्याला आठवते. संस्कार फलद्रूप होतात. त्या वेळचेच दिवस चांगले वाटतात, आणि मग माणूस म्हणतो.. 'लहानपण देगा देवा'!!



डॉ. प्रविण डुंबरे
ओतूर, शिवजन्मभूमी (जुन्नर) पुणे

Seminars / Workshops



1. **SDW** cell recently organized a cloth donation drive, reflecting its commitment to community service and social responsibility. Through this initiative, students and faculty came together to collect gently used clothing items, aiming to support underprivileged individuals and families in need. The drive not only fostered a spirit of empathy and generosity among the college community but also highlighted the importance of addressing basic needs within our society. By donating clothing, the college contributed to promoting dignity, warmth, and well-being for those less fortunate, embodying the ethos of compassion.



2. **CESA** (Computer Engineering Student Association) recently organized an exhilarating WWE Arena Coding event, electrifying the campus with a fusion of technology and entertainment. Participants embraced the challenge of coding innovative solutions within a wrestling-themed setting, injecting a spirit of excitement and creativity into their projects. With adrenaline-pumping challenges and collaborative camaraderie, the WWE Arena Coding event not only showcased the technical skills of participants but also fostered a sense of community and passion for coding within the college. It served as a thrilling platform for students to unleash their coding prowess, and inspire one another towards greater heights in the world of technology.



3. Viraj Wadate, the esteemed founder and CEO of Vev Code Lab, graced our campus with an enlightening **expert talk** on enhancing Python proficiency in software development. Viraj shared invaluable insights and practical strategies to master Python programming for software engineering. His engaging presentation captivated the audience, providing a roadmap for leveraging Python's versatility and efficiency in developing robust software solutions. Attendees gained a deeper understanding of Python's intricacies, learning how to optimize their coding practices and harness Python's rich ecosystem of libraries and frameworks.



4. **IIC Pune Regional meet** was held on 15 December 2023 at Dr. D.Y. Patil Vidyapeeth, Pune. From Pimpri Chinchwad College of Engineering, two faculties Dr. Rajni P. K. and Dr. Mubin Tamboli, and Mr. Pranav Shinde and Mr. Aditya Bora, two students participated in this regional meet. Various dignitaries like Dr. P. D. Patil, Chancellor of Dr. D. Y. Patil Vidyapeeth, Pune, Dr. Abhay Jere, Vice Chairman (AICTE) & Chief Innovation Officer Ministry of Education, Govt. of India, Dr. Shekhar Mande, Former Director General Council of Scientific & Industrial Research, Govt. of India, Dr. Bhagyshree P. Patil, Pro Chancellor, Dr. N. J. Pawar, Dr. D. Y. Patil Vidyapeeth, and Dr. Dipan Sahu, Assistant Innovation Director (AICTE) Ministry of Education, Govt. of India addressed the participants on topics of Innovation and Entrepreneurship. Various sessions and knowledge sharing on distinguished topics of I & E were held in the program.

Computer Engineering Department

1. Embracing the philosophy that "Energy and persistence conquer all things" The PCCOE ACM Student Chapter has once again scaled new heights in its pursuit of excellence. ACM India has bestowed upon us the prestigious Best Student Chapter Award 2023 in the category of Outstanding Chapter Activities. The chapter distinguished itself among a network of 195 ACM Student Chapters spanning across India. This recognition is a testament to the unwavering dedication and persistent efforts of the entire team.



2. **Team Uphar** secured a spot in the Grand Finale of the National level Smart India Hackathon 2023 under the Ministry of Defence's problem statement. The remarkable inclusion of three members from PCCOE ACM Student Chapter – Tarun Rathod (Webmaster), Aditya Lad (Webmaster), and Wafiya Mulla (ACM-W Webmaster)– underscores the chapter's commitment to excellence.

3. **Art circle** has grabbed prizes in Prestigious State Level Karandak's. Art Circle continued journey to win prizes this year & following are the details, Vinodottam Karandak 2023-Krishna Kalaspurkar (SY Comp. Regional)-Prize for Best Set Design Dajikaka Gadgil karandak 2023-Prathamesh Mahajan (BTech Computer) - Consolation Prize in Acting Bharat Karandak 2023-Krishna Kalaspurkar (SY Comp. Regional)-Second prize for Best Set,Prathamesh Mahajan (BTech Computer): Consolation prize for Acting.



4. Students from the PCCOE **Student Chapter** got selected in the ACM Winter School There were selections in the given areas and they are as follows

Network Science: theory and application by Ahmedabad University – Sakshi Kulkarni, Prajwal Lonari, Disha Parale,, Shivraj Lawhare, Mithilesh Rajput, Pranjali Deshpande, Aditi Dabhade, Lubhavan Burghate, Vinayak Shete from Third year got selected for the same.

Data Science for social good by SRM University Chennai – Vaidehi Bhonghe, Siddhi Bajpai from the third year got selected.



Prize for Best set in Bharat Karandak 2023

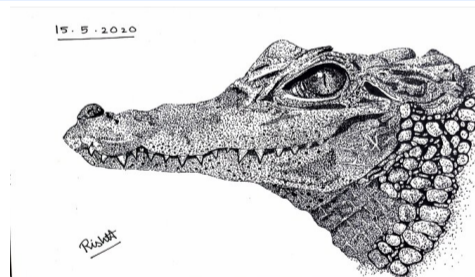
5. Under the PCCOE **Fitness First Festival** The PCCOE Olympics were arranged under this there were several awards given and SY Computer Engineering (Regional Language) won the award for BEST THEME JURY.



6. PCCOE **Championship** conducted during **SWARTARANG** was an interdepartmental competition where all the departments competed in various competitions and the Computer Engineering department won the First prize for group dance competition Performed by Shreya Mohod, Asmita Mahamuni, Anushka Lahare, Shivraj Lawhare, Manoj Masule on the songs Lallati bhandar and udo udo.



SKETCH BY ROHIT



SKETCH BY RISHITA



SKETCH BY RISHITA AWAS-



SKETCH BY RISHITA AWAS-

Faculty Achievements

1. Remarkable paper publication of the month by **Mrs. Geetanjali Sharma** published a paper titled as "Identify the Economic Crisis by Analyzing Banking Data Using Machine Learning Technique" in Scopus "International Journal of Intelligent Systems and Applications in Engineering."
2. Remarkable paper publication of the month by **Dr. Sarika T. Deokate** published a paper titled as "Enhancing Medical Image Analysis Through Deep Learning-Based Lesion Detection" in Scopus "International Journal of Intelligent Systems and Applications in Engineering."
3. Remarkable paper publication of the month by **Dr. Prashant G Ahire** Successfully defended his viva voce for his doctoral degree work in SPPU on his thesis 'An Optimized Context Aware Bio-Inspired Algorithm for Knowledge Discovery in Multi-Dimensional Space'.
4. **Dr. Rahul Patil** Successfully defended his viva voce for his doctoral degree work in SPPU on his thesis "An adaptive methodology for extraction of potential actionable knowledge with preserving confidentiality in evolving data streams mining".

Computer Department CSE (AIML)

Faculty Achievements

1. Dr. Vishal Patil from CSE(AIML) department published a paper titled "Student Engagement Monitoring in Online Learning Environment" in journal "International Journal of Intelligent Systems and Applications in Engineering" 12(1), 292–298 .
2. Mrs. Madhuri Pagale has been granted a patent with the application number 202311083112 A for her innovation in "Machine Learning-Based Efficient Power Optimization Techniques for Centric Resource Management in Cloud Computing." The application was filed on 06/12/2023, and the patent was officially published on 12/01/2024.
3. Mrs. Pranita Chaudhary has received a patent (Application No: 202341089138 A) for her work on "Detecting Cyber Attacks in the Internet of Medical Things" using Fuzzy Logic and LSTM Networks. Additionally, she holds a copyright for "Literar - Resmic Decentralized Payment Infrastructure," demonstrating her expertise in both cybersecurity technology and literary innovation.
4. Dr. Vishal Patil and Dr. Satpalsing Rajput were granted patents for an AI-based crop health monitoring device, with Design grant no. 399630-001, on September 11, 2023. The official date of issue for these patents is April 1, 2024.

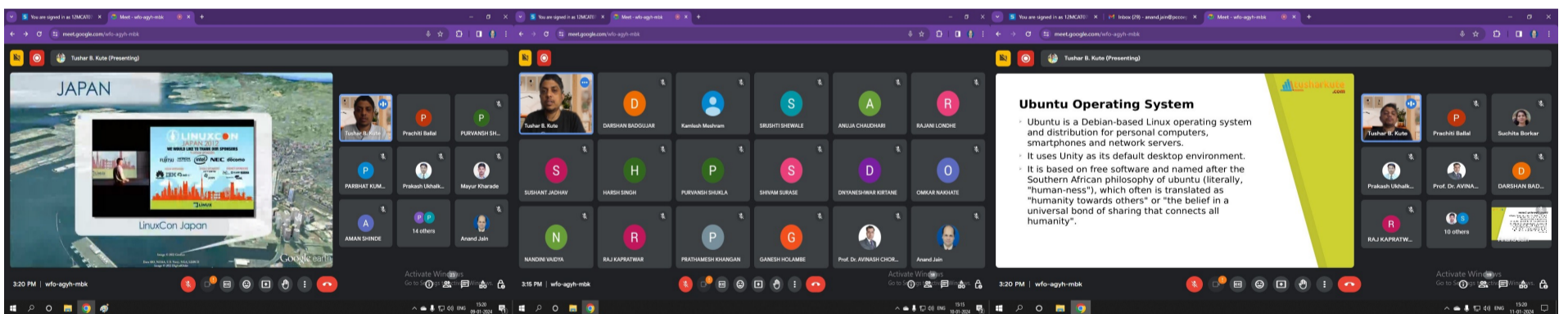
Student Achievements

1. Gautam Bhagat, Pranav Kale and team from CSE (AI & ML) department qualified as Finalist of Smart India Hackathon 2023 to represent their solution for problem statement "AI-ML based intelligent de-smoking/de-hazing algorithm" and participated in a 36-hour offline Hackathon Finale at Kolhapur Institute of Technology, Kolhapur securing the spot of runner up in the Finale. The team interacted with industry professionals from around the globe and got insights about their solution.
2. Pranav Ukhade and Khelesh Patil, from the S.Y. B. Tech CSE (AI & ML) department, clinched the Winner's title in the Quiz Competition at the PCCOE Champions event organized by the Art Circle on January 23, 2024. Their exceptional performance during this prestigious college bash, Swartarang, deserves commendation for navigating both a fun and professional setting.



MCA Department

1. Mr. Rajkamal Sangole has published a Chapter in OLS by Tylor and Francis titled "Prediction of Selection of Communication Tools and Platforms to Support Education 4.0 in India.".
2. Mr. Rajkamal Sangole published a book titled "Mobile Application Development Technologies" in January 2024. The ISBN number of the book is 978-93-94022-45-4.
3. Mr. Anand Jain from the MCA department published a book titled "ASP.NET Programming" in January 2024. The ISBN number of the book is 978-93-94022-23-2.
4. **One Week Workshop was Organized** by Mr. Anand Jain, Mr. Rajkamal Sangole and Mrs. Anjana Arakerimath on "**Linux Administration**" from **8 January 2024 to 13 January 2024**. Mr. Tushar Kute from MiTu Skilologies was invited as resource person for the workshop. Total 97 participants enrolled for the workshop.

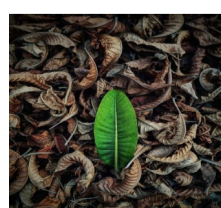


Students Achievements

1. Munmun Ghosal, Tech Lead Data Science, InnoWise Global Pvt. Ltd., Pune (Friday, 23rd February)
2. Expert Session on "Importance of hands-on experience towards skill development and career development" - Dr. Ashutosh Kulkarni, Reader, Vishwakarma Institute of Technology, Pune (Saturday, 2-4 February)

TECHNOCASE COMPETITION 2024 at IICMR, Pune

WINNERS: Jesse Moses & Prabhujyoti Singh
PARTICIPANTS: Pratik Rathod & Purvansh Shukla



Information Technology Department

Faculty and Students Achievement

Sr. No.	Topic	Faculty Coordinator	Funding Agency
1	A Digital twin for occupancy and equipment usage detection to reduce building energy demands	Dr. Harsha A Bhute	Jidnyasa (19th January 2024)
2	Intelligent Drone for Counter Terrorism Surveillance	Dr. Anuja Jadhav Dr. Jayashree Katti Dr. Sonali Patil	Jidnyasa (19th January 2024)

- Dr. Anuja Jadhav - **Branch counselor of the year award-2023** - Received the prestigious Branch counselor of the year award-2023 from IEEE Pune Section awards 2023
- Dr. Ashvini Ladekar - **Professional member of the year award-2023** - Received the prestigious Professional member of the year award-2023 from IEEE Pune Section awards 2023
- Laxman Babu - **Student member volunteer of the year** (IEEE PUNE SECTION AWARDS 2023)
- Rakshit Jain - **Student member volunteer of the year** (IEEE PUNE SECTION AWARDS 2023)



Blockchain Symposium



- The IEEE Pune Blockchain Group, in collaboration with PCCoE's IT Department, organized a successful Blockchain Symposium on February 2nd, 2024. The event aimed to facilitate knowledge exchange and collaboration in the Blockchain domain.

Key Points :

- **Objective:** Explore latest Blockchain trends and developments, foster collaboration, and promote adoption in India.

Experts: Featured speakers included Dr. Ramesh Ramadoss, Dr. Surekha Deshmukh, Dr. Rajesh Ingle, Dr. B. K. Murthy, Dr. Padmaja Joshi, and industry leaders such as Mr. Shreekant Kulkarni, Mr. Kamlesh Nagware, Mr. Atharva Sabnis, Mr. Vishnu Korde, Mr. Priyanshu Pareek, Mr. Mehul Gaidhani, Ms. Shruti Kulkarni, and Mr. Pavan Adhav.

Outcomes: Attendees gained insights into blockchain applications, engaged in discussions on industry trends, learned about blockchain's business potential, and saw real-life projects.

- **Event Details:** Name: Blockchain Symposium by IEEE Pune Blockchain Group

Date: February 2nd, 2024

Duration: 10:00 am – 5:00 pm

Venue: Seminar Hall, Mechanical Department, PCCOE

Attendees: 115 (68 external, 15 industry professionals, 32 PCCOE)

Upcoming Event

PRAXIS

We are excited to announce that the PCCOE IEEE Student Branch and Information Technology Students Association are organizing "Praxis" 2024 from February 21st, 2024, to February 23rd, 2024. Our goal is to bring together students from across Pune to participate in a series of technical and non-technical events. We are targeting 1000+ students to participate in the various events planned under Praxis. This symposium includes major technical events like Hackathon, Coding competitions, Treasure hunts, etc.

IEEE Pune Section

Pimpri Chinchwad College of Engineering
Department of Information Technology
Presents

PRAXIS 2024

21-23 FEBRUARY 2024 **PRIZES WORTH INR 85,000+**

FOR MORE DETAILS CONTACT

THE BLUE BIT

ENIGMA WARS

VIRTUAL TREASURE 2.0

THE DESIGN CHALLENGE

VALORANT REALM

BGMI SHOWDOWN

IPL AUCTION (CRICKBLITZ)

IDEARX

ZOMBIE HAVOC

Rakshit Jain
ITSOC PCCOE Chair
9172450224

Shreyas Mali
Codechef PCCOE President
7038846673

Aryaan Madhani
PCCOE IEEE Co-Chair
9975760754

A S Laxman Babu
PCCOE IEEE Chair
9373707477

Harsh Warkari
PCCOE ITSA President
9422141402

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[@codechefpccoe](#)

Civil Engineering Department

1. Dr. Sandip T. Mali delivered an expert talk on 'Climate Change and Environmental Conservation' under Maji Vasundhara Abhiyan 4.0 at Kasegaon Gram Panchayat, District- Sangli, on 27th January 2024.
2. Dr. Sandip T. Mali worked as an External Auditor for Conducting an Academic Audit for the Academic Year 2023-24 odd semester for the Department of Civil Engineering and Civil & Environmental Engineering of Kolhapur Institute of Technology's College of Engineering (Autonomous), Kolhapur on 27th January 2024
3. Dr. Kanchan Khare conducted the Faculty Development Program on Project Based Learning: A Pedagogy for Engineering Institutes. in MIT ADT on Jan 20th, 2024.
4. Dr. A K Gaikwad, Professor, Dept of Civil Engineering, organized a 1-day Seminar on topics, "Green & Sustainable Architecture Cladding solutions for Infrastructure sector" by Mr. Mahesh Pingle, GM-Marketing Development Tata BlueScope Steel Pvt. Ltd. and on, "Latest Construction Methods and Technology in Infrastructure Development", by Er. Akshay Yadav, Sr. Engineer / T & T Infra Ltd., during Constro 2024 Expo Visit on 6th January 2024. (Along with 181 students and 17 faculty of Civil Engineering Dept.)
5. Dr. A K Gaikwad, attended a one-week workshop / STTP on, "Introduction to optimization techniques using MATLAB and other tools", held from 15th -19th January 2024, in Dept. of Civil Engineering, PCCoE, Nigdi, Pune in association with ISTE & IIC.
6. Dr. Suresh Nama and Dr Prachi Ingle from the Civil Department organized a 5-Days Virtual Workshop on "Introduction to optimization techniques using MATLAB and other tools" from January 15th -19th, 2024.
7. Mrs. N.S. Sane attended a one-day faculty training workshop on the implementation of 'The Aapale Prashna Aapale Vidnyan program at Gokhale Institute of Politics and Economics, Pune on 16th January 2024.
8. Ms. Anushree A. Chandragade completed Two days global symposium on "Sustainable Development in Civil Engineering" organized by Dept. of Civil Engineering, Dr. D.Y. Patil Institute of Technology, Pimpri Pune in association with the International Students Chapter of American Society of Civil Engineers (ASCE) on January 19-29, 2024.
9. Ms. Anushree A. Chandragade attended a one-day webinar on ArcGIS Spatial Analyst by Esri India on 31st January 2024

Awards received by Faculty and Student	Swaratarang PCCoE Champion awarded to Civil Engineering Department for 2023-24
<p>Dr. Sandip T. Mali received 'Pimpri Chinchwad Jal Mitra Puraskar 2023' by Jaldindi Prathishtan, Pune on 21st December 2023.</p> 	
<p>1. Rushikesh Nikude was awarded for Pune Construction Engineering Research Foundation (PCERF), PCERF – B.G. Shirke Vidyarthi Awards 2023 7th in Series to under category: Civil Engineering undergraduate 3rd Rank, Guide: Dr. S.T. Mali on 5th January 2024 and it is sponsored by B.G SHIRKE CONSTRUCTION TECHNOLOGY PVT.LTD for the project Design and development of 'Re: Brick' by using hybrid binders and construction and demolition waste. The award consists of an amount of Rs. 10000/-, a certificate, and a trophy.</p> <p>2. T.Y. B-tech civil students, Varun Desai, Aditya Tatiya and Mrunal Shedge secured 1st prize in the Knight Manager competition in the Graffiti Event organized by Symbiosis Centre for Information Technology (SCIT). The award consists of a cash prize of 5000/- and vouchers.</p>	
<p>1. PCCoE, Civil Engineering Dept. and Greenspace Eco-Management signed a Memorandum of Understanding (MoU) effective from 31st August 2023 – 30th August 2026 under common areas of interest in Energy, Utility, and Waste management. Considerable advantages may be gained from their pursuit on a collaborative basis in the fields of academics, education, and research. Faculty coordinator: Ms. Anushree A. Chandragade</p> <p>2. PCCoE, Civil Engineering Dept. and Environment Conservation Association NGO-ECA TRUST signed a Memorandum of Understanding (MoU) effective from 4th October 2023 – 4th October 2026 under common areas of interest in water conservation, green energy, and waste management and recycling. Considerable advantages may be gained from their pursuit on a collaborative basis in the fields of academics, education, and research. Faculty coordinator: Ms. Anushree A. Chandragade</p>	
	
<p>Maharashtra and its cultures by Manasi Pawar</p>	<p>Rangoli- Manasi Pawar (TY) Painting-Sonali Bhoite (B-tech) Elocution-Vaishnavi Birhare (TY) Quiz- Janvi Thakre (SY), Harsh Gangwal (B-tech) Solo Dance-Vijaya Ghatol (TY) Group Dance-TEAM S.Y. Shraddha Patil, Pournima Suryavanshi, Prerna Kute, Pranav Phulari, Aditya Aghav Photography-Sai Bho-sale (SY)</p>
<p>Events full of great art, culture and dedication Civil Department got their 12 Champions</p>	

Fitness First Festival (FFF) 2023-24 January 2024 पीसीसीओई ऑलिम्पिक' Events

उज्ज्वल भविष्यासाठी जीवनात शैक्षणिक प्रगतीला महत्वाचे स्थान आहे. तसेच शारीरिक आणि मानसिक स्वास्थ्य उत्तम राहण्यासाठी विद्यार्थ्यांनी एखाद्या क्रिडा प्रकारात प्रावीण्य मिळवले तरच आजच्या स्पर्धात्मक युगात खंबीरपणे वाटचाल करून यशस्वी होता येईल असे प्रतिपादन अर्जुन पुरस्कार विजेते पोलीस उपनिरीक्षक राहुल आवारे यांनी केले. पिंपरी चिंचवड एज्युकेशन ट्रस्टच्या (पीसीईटी) पिंपरी चिंचवड कॉलेज ऑफ इंजिनिअरिंगच्या (पीसीसीओई) वतीने आयोजित केलेल्या 'पीसीसीओई ऑलिम्पिक' स्पर्धेचे उद्घाटन राहुल आवारे यांच्या हस्ते करण्यात आले. यावेळी शिवछत्रपती पुरस्कार विजेते भारतीय आर्चरी संघाचे प्रशिक्षक डॉ. रणजीत चामले, ज्ञान प्रबोधिनी विद्यालय निगडीचे मुख्याध्यापक डॉ. मनोज देवळेकर, राष्ट्रीय नेटबॉल खेळाडू समीर शिकेलकर, पीसीसीओईचे संचालक डॉ. गोविंद कुलकर्णी, डॉ. प्रवीण काळे, डॉ. अजय गायकवाड उपस्थित होते. महाविद्यालयातील विद्यार्थ्यांना खेळाची तसेच स्वतःची शारीरिक तंदुरुस्ती वाढविण्याची आवड निर्माण व्हावी यासाठी पीसीसीओई ऑलिम्पिकचे आयोजन केले आहे. उद्घाटन प्रसंगी महाविद्यालयाच्या सहाशे विद्यार्थ्यांनी ढोल ताशाच्या गजरात संचलन केले. तसेच महाविद्यालयातील विविध खेळातील राष्ट्रीय खेळाडूंनी ऑलिम्पिक मशाल प्रमुख पाहुण्यांना सुपूर्त करून कार्यक्रमाची सुरुवात केली. 'पीसीसीओई ऑलिम्पिक' ध्वजाचे प्रमुख पाहुण्यांच्या हस्ते ध्वजारोहण करण्यात आले. पीसीसीओईच्या आर्ट सर्कल विभागाने नृत्यातून खेळाचे सादरीकरण केले. तसेच पीसीसीओईची राष्ट्रीय मल्लखांब खेळाडू तनया सप्ताशवा हिने मल्लखांबची प्रात्यक्षिके दाखवून सर्वांना मंत्रमुग्ध केले. संपूर्ण देशामध्ये प्रथमच एका अभियांत्रिकी महाविद्यालयाने अशा स्पर्धेचे आयोजन केले आहे. ही कौतुकास्पद बाब आहे. यामुळे विद्यार्थ्यांना क्रीडा कौशल्य आत्मसात करण्याबरोबरच जीवनाला नवी दिशा मिळेल अशा शुभेच्छा राहुल आवारे यांनी दिल्या. पीसीसीओई ऑलिम्पिक मध्ये एकूण १२ क्रिडा प्रकारांमध्ये स्पर्धा होणार आहेत. या स्पर्धांमध्ये पीसीसीओई मधील सुमारे पाच हजार विद्यार्थी, ३५० शिक्षक व शिक्षकेतर कर्मचारी सहभागी झाले आहेत. यासाठी पीसीईटीचे अध्यक्ष जानेश्वर लांडगे, उपाध्यक्ष पद्माताई भोसले, सचिव विठ्ठल काळभोर, खजिनदार शांताराम गराडे, विश्वस्त हर्षवर्धन पाटील, उद्योजक नरेंद्र लांडगे, अजिंक्य काळभोर, कार्यकारी संचालक डॉ. गिरीश देसाई, पीसीसीओईचे संचालक डॉ. गोविंद कुलकर्णी यांनीही शुभेच्छा दिल्या. आयोजन महाविद्यालयाचे शारीरिक शिक्षण संचालक प्रा. संतोष पाचारणे, डॉ. लीना शर्मा व प्रा. अंजना आरकेरीमठ यांनी केले आहे.





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Accepted papers of *i-MACE 2024* will be published in SCOPUS-indexed Conference Proceedings and Journals.

Important Dates

➤ Submission of Full-Length Paper by 28th Feb 2024

➤ Notification of acceptance of Paper by 15th Mar 2024

➤ Submission of Final Full-Length Paper by 15th April 2024

➤ Early bird Registration on or before 30th April 2024

Paper submission guideline is available on www.i-mace.pccoe.edu

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PCCoE Equal Opportunity Cell (PEOC-समान संधी केंद्र)

पि सी सी ओ इ च्या सामान संधी केंद्राच्या लोगो प्रतिमेचे उदघाटन दि. ०३/०१/२०२४ रोजी माननीय डायरेक्टर डॉ. गोविंद ऐन. कुलकर्णी आणि डॉ. महेश कोलते, ENTC विभाग प्रमुख यांच्या हस्ते झाले. तसेच ०३/०१/२०२४ सावित्रीमाई फुले यांची जयंती, त्यांच्या प्रतिमेस पुष्प अर्पण करून करण्यात आले. या वेळी सामान संधी केंद्राचे सर्व सभासद आणि पि सी सी ओ इ चे सर्व विभाग प्रमुख तसेच डीन उपस्थित होते.

समान संधी केंद्र पिंपरी चिंचवड अभियांत्रिकी महाविद्यालया अंतर्गत १२ जानेवारी "राष्ट्रीय युवक दिन" ह्या स्वामी विवेकानंदांच्या जयंती निमित्ताने दिनांक ८ ते १३ जानेवारी २०२४ हा कालावधी स्पर्धा परीक्षा जागृती सप्ताह म्हणून साजरा करण्यात आला. या निमित्ताने द्वितीय वर्षाच्या विद्यार्थ्यांना प्रा. परेश गुगले यांचे मार्गदर्शन लाभले. कार्यक्रमात विद्यार्थ्यांना गेट (GATE) व यूपीएससी (UPSC-ESE) अभियांत्रिकी परीक्षा संदर्भात मार्गदर्शन केले गेले. यात अंदाजे ७०० विद्यार्थ्यांनी आपला सहभाग नोंदविला. तसेच १२ जानेवारी ला महाविद्यालयात स्वामी विवेकानंदांची जयंती साजरी करण्यात आली. याप्रसंगी महाविद्यालयाचे संचालक डॉ. गोविंद कुलकर्णी यांनी विद्यार्थी तसेच शिक्षकांना मार्गदर्शन केले. प्रा. अजय गायकवाड यांनी विद्यार्थ्यांना स्वामी विवेकानंद युवा सुरक्षा योजनेबाबत माहिती दिली. याप्रसंगी सर्व शाखांचे विभाग प्रमुख, शिक्षक, विद्यार्थी उपस्थित होते.



PCCoEs Achievements: "उत्कृष्ट महाविद्यालय पुरस्कार २०२४"

राष्ट्रीय मतदार दिनानिमित्त पिंपरी चिंचवड एज्युकेशन ट्रस्टच्या (पीसीईटी) पिंपरी चिंचवड कॉलेज ऑफ इंजिनिअरिंगच्या (पीसीसीओई) विद्यार्थ्यांना जिल्हा निवडणूक अधिकारी, पुणे तथा जिल्हाधिकारी डॉ. राजेश देशमुख यांच्या हस्ते "उत्कृष्ट महाविद्यालय पुरस्कार २०२४" देऊन गौरविण्यात आले. राष्ट्रीय मतदार दिनानिमित्त २०२३ मध्ये निवडणूक साक्षरता अभियान अंतर्गत महाविद्यालयीन विद्यार्थ्यांमध्ये मताधिकार, लोकशाही यासंबंधी केलेली जागृती, नवमतदार नोंदणी करणे यासाठी नावीन्यपूर्ण उपक्रम पीसीसीओईने राबविले. त्याबद्दल "उत्कृष्ट महाविद्यालय पुरस्कार २०२४" देऊन आणि उत्कृष्ट नोडल ऑफिसर म्हणून प्रा. दिनेश कुटे यांना गौरविण्यात आले. पुणे जिल्हा अधिकारी कार्यालयात (दि.२५ जानेवारी) झालेल्या कार्यक्रमात यावेळी पुणे, निवासी उपजिल्हाधिकारी ज्योती कदम, पुणे अप्पर जिल्हाधिकारी अजय मोरे, पुणे उपजिल्हा निवडणूक अधिकारी मीनल कळसकर, स्विप नोडल अधिकारी पुणे जिल्हा अर्चना तांबे आदी उपस्थित होते. पिंपरी चिंचवड कॉलेज ऑफ इंजिनिअरिंगचे निवडणूक साक्षरता मंडळाचे नोडल ऑफिसर तथा राष्ट्रीय सेवा योजना कार्यक्रमाधिकारी प्रा. दिनेश कुटे व विद्यार्थी प्रतिनिधी अभिजित बनसोडे यांनी पुरस्कार स्वीकारला. पीसीईटीचे अध्यक्ष जानेश्वर लांडगे, उपाध्यक्ष पद्माताई भोसले, सचिव विठ्ठल काळभोर, खजिनदार शांताराम गराडे, विश्वस्त हर्षवर्धन पाटील, उदयोजक नरेंद्र लांडगे, अजिंक्य काळभोर, कार्यकारी संचालक डॉ. गिरीश देसाई, पीसीसीओईचे संचालक डॉ. गोविंद कुलकर्णी, विद्यार्थी कल्याण व विकास अधिष्ठाता डॉ. प्रविण काळे, विद्यार्थी कल्याण व विकास सह अधिष्ठाता डॉ. अजय गायकवाड यांनी अभिनंदन केले आणि शुभेच्छा दिल्या.



The Indian Knowledge System (IKS) "The Timeless Appeal of Indian Cuisine in the Modern World" ..Dr. Kanchan Khare



Indian cuisine, a vibrant blend of ancient traditions, cultural exchanges, and regional diversities, continues to make a lasting impression on the global culinary scene. It narrates a tale that spans thousands of years, celebrates the use of local produce and spices, and has significantly influenced global gastronomy. The modern revival and fusion of Indian cuisine have catapulted it to the forefront of the culinary world, while its aesthetic appeal continues to mesmerize food enthusiasts worldwide.

Indian cuisine is more than just food; it's a sensory journey that transcends taste, embodying the spirit of India's rich cultural heritage and the vibrancy of its people. It's a testament to India's past, a reflection of its present, and a window into its future culinary innovations.

This cuisine is a testament to an 8,000-year-old saga marked by interactions, migrations, and commerce across the Indian subcontinent. It encapsulates the spirit of diverse communities, languages, and traditions, offering a glimpse into India's rich cultural legacy. From the culinary practices of the Indus Valley civilization to the present day, Indian food has transformed while maintaining its authenticity.

The soul of Indian cuisine lies in its use of locally grown ingredients. Each region's unique soil, climate, and geography shape its culinary delights. Spices like turmeric, cardamom, and black pepper infuse Indian dishes with unique flavours, creating a medley of tastes that dance on the palate.

The spice trade between India and Europe during the Age of Discovery reshaped global cuisines. Indian spices journeyed across continents, adding a touch of exotic flavour to European, Middle Eastern, and African dishes. Today, Indian dishes like curries, tandoori, and biryani have become global favourites, transcending geographical boundaries.

Indian cuisine is experiencing a modern renaissance. Chefs worldwide are reimagining traditional recipes, blending them with global influences. The emphasis on small-plate menus, refined sauces, and cleaner flavours is elevating Indian food to contemporary gourmet standards.

India's thriving economy has led to increased consumption and aesthetic appreciation of food. From scarcity to abundance, food is celebrated for its aesthetic appeal as much as its taste. The vibrant colours, intricate presentation, and sensory delight of Indian cuisine captivate food enthusiasts worldwide.

Indian cuisine is a dynamic force that effortlessly bridges tradition and innovation. Its flavours, narratives, and rituals continue to nourish both body and soul, making it an integral part of our global culinary heritage. The exploration of these aspects and its potential to create healthful food to fortify the body and mind against modern-day challenges forms an intriguing topic for study and research. As we conclude this exploration of the timeless charm of Indian cuisine, let's draw inspiration from its enduring legacy. Just as Indian cuisine has evolved and adapted over centuries while preserving its essence, we too, as students and faculty of an engineering institute, are on a journey of continuous learning and innovation. Let's remember that the essence of engineering, like cooking, lies in creativity, experimentation, and problem-solving. As we delve into the complexities of technology and engineering, let's not forget to appreciate the simplicity and elegance of solutions, much like the perfect balance of spices in a well-cooked Indian dish. May we continue to draw inspiration from our rich heritage as we forge ahead, innovating and creating technologies for a better tomorrow.

PCCoEs Sports Achievements

1. **Mr. Shubham Gangurde**, from TY BTech-Mechanical Dept., secured, "Gold Medal", in "Vishwanath Sports Meet 2024 National Level Archery Competition", organized by MIT Campus, Loni Kalbhor.
2. **Mr. Vikas Bhamare**, from SY IT, selected in Ahmadnagar District Volleyball Team, "Senior State Volleyball Championship", being held at Warora, Chandrapur.
3. **Rutik Bandal** from BE Mech selected in SPPU Handball Team for West Zone Inter University Handball Competition held at Dr. Harisinh Gaur University, Sagar, MP.
4. **Sankarsh Shelke** from TY COMP selected in SPPU Chess Team for Krida Mahostav (Ashwamedh) 2024 being held at Dr. Babasaheb Ambedkar Technical University, Lonere.
5. **PCCOE FOOTBALL TEAM** secured SILVER MEDAL in MIT SUMMIT 2024 National Level Football Competition organized by MIT WPU, Pune Campus

