



PCCOE'S Samvaad

For private circulation only



.....Connecting Minds & Souls

Our Patrons : Pimpri Chinchwad Education Trust

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Samvaad Editorial Article: Current Challenges in Soil Structure interaction for Structural and Geotechnical Engineers

As our esteemed institution celebrates 25+ glorious years of shaping engineering minds, we find ourselves at the cusp of a significant transformation. Just as the timeless epic Mahabharata elucidates the concept of "Samay" — the ever-changing nature of time — we too are poised to embrace change in the realm of education. NEP 2020 is just a one instant.

In the grand narrative of the Mahabharata, "Samay" is depicted as a force that shapes destinies, often unpredictably. It is a reminder that change is inevitable, and our ability to adapt to it determines our success. Similarly, in the dynamic landscape of education, we are constantly confronted with new challenges, opportunities, and paradigms. Our response to these changes defines our journey and legacy.

One of the fundamental principles explored in the Mahabharata is the concept of "Dharmachakrapravartan" — the turning of the wheel of Dharma. It symbolizes the cyclical nature of life and the perpetual quest for righteousness and enlightenment. In the context of education, "Dharmachakrapravartan" signifies our commitment to evolving with the times while upholding our core values and principles.

As we stand on the threshold of a new era in education, characterized by technological advancements, globalization, and rapidly evolving industries, it is imperative that we recalibrate our approach to teaching and learning. The winds of change are blowing, and we must harness their energy to propel our institution to greater heights.

The forthcoming policy changes present us with a unique opportunity to reinvent ourselves, to realign our curriculum with the needs of the 21st-century learner, and to foster innovation and creativity in our classrooms. It is a chance to break free from the shackles of tradition and embrace progressive pedagogies that empower students to become critical thinkers, problem solvers, and agents of change.

However, navigating change is not without its challenges. Just as Arjuna faced moments of doubt and hesitation on the battlefield of Kurukshetra, we too may encounter obstacles along the way. But like Krishna, the charioteer and guide to Arjuna, we have the wisdom and guidance within us to overcome adversity and emerge victorious.

Let us embark on this journey of transformation with courage, conviction, and resilience. Let us honor the legacy of the past 25+ years while embracing the promise of a brighter future. Together, let us turn the wheel of education and usher in a new era of excellence, innovation, and impact.

As we celebrate our past achievements and look ahead to the challenges and opportunities that lie before us, let us remember the words of Lord Krishna to Arjuna: "Change is the law of the universe. You can be a millionaire, or a pauper in an instant." Let us embrace change wholeheartedly and strive to create a future that is worthy of our noble aspirations and enduring legacy.

To *embrace* "something means to accept or welcome it eagerly and willingly. It involves not only acknowledging its presence but also actively engaging with it, often with a sense of warmth, openness, and acceptance. When we embrace change, for example, we are not just passively resigning ourselves to it; instead, we are embracing it with a positive attitude, ready to adapt and make the most of the new opportunities it brings. Embracing implies a proactive and enthusiastic approach towards something, whether it be change, challenges, ideas, or people.

Dr. Ajay K. Gaikwad,

Executive Director, Samvaad, PCCoE, Pune

Samvaad Editorial

Dear Members of PCCoE Family,

Nurturing creativity and inspiring innovation are two of the key elements of a successful education and a college magazine or newsletter is the perfect amalgamation of both.

College newsletter will amply demonstrate the technical competence, communication skills, poetic prowess, imagination, creativity, and humor.

We members of „Newswire Committee“ of PCCoE in initiation of Quality Assurance Team, coming up with this **May 2024** issue of "Samvaad", with **data of April 2024**, a monthly e-Newsletter of PCCoE, with "KSHITIJ" 2024, another signature event on page 2, various events conducted in PCCoE at University, State and National level on page 7 & 8, along with department wise activities and achievements from page 3 to 6.

The flyers for **ICCUBEA-2024** (8th in series) and **i-MACE-2024** (3rd in series), two International Conferences organised by Pimpri Chinchwad College of Engineering, Nigdi, Pune are on page 7, please refer and circulate to all your contacts in other institutes of SPPU, other universities in Maha-rashtra, India and abroad.

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Project Showcase Conference “Kshitij-2024”

Pimpri Chinchwad College of Engineering (PCCOE) Hosts Successful Project Showcase Conference “Kshitij-2024”

Pimpri Chinchwad College of Engineering (PCCOE) recently hosted 'Kshitij-24,' a dynamic event to foster collaboration between academia and industry while showcasing innovative projects developed by final year engineering students.

Kshitij, meaning "the edge where the earth and sky meet," embodies the essence of convergence between academia and industry. It is a platform for PCCOE and industries to collaborate, fostering innovation and nurturing future talent. The event aims to identify patentable innovations from BE projects and showcase them to industries, encouraging collaboration and providing students with invaluable industry insights.

A total of 43 projects were presented during 'Kshitij 24,' selected meticulously by the Patent Attorney and the Patent Facilitation Cell of PCCOE. Among these projects, 17 received patent grants, while 14 filed patents and 12 were commercial projects. Noteworthy titles included A Portable Tea Cup washing Machine, Music Extractor from an Audio Sample using Machine Learning, Wearable Outdoor Air Purifier, Posture Correcting Chair, etc The event witnessed participation from over two hundred companies, highlighting the industry's keen interest in the projects showcased.



Recognizing the need to enhance product development and commercialization efforts, the theme for **Kshitij** was "Ideas to Products." This theme underscores PCCOE's commitment to transforming innovative ideas into marketable products, bridging the gap between academia and industry.

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Navi O'Really, head of Henkel Innovation in Germany, commended the projects for their combination of research and innovation. The event was graced by esteemed guests including Pravin Bhamre, head of the international production department at TCS, along with PCCOE Director Dr. Govind Kulkarni, and other dignitaries.



Dr. Pravin Bhamre praised PCCOE's thoughtful selection of projects and emphasized the importance of transforming them into commercial ventures and startups.

पिंपरी चिंचवड अभियांत्रिकी महाविद्यालयात युवा संमेलन जल्लोषात संपन्न

युवकांकडून, युवकांसाठी असे ब्रीद घेवून, पिंपरी चिंचवड एज्युकेशनल ट्रस्ट यांचे पिंपरी चिंचवड अभियांत्रिकी महाविद्यालयात २ दिवसीय युथ कॉन्फरन्स (युवा संमेलन) १२ व १३ एप्रिल रोजी आयोजित करण्यात आले. पिंपरी चिंचवड मधील महाविद्यालयात प्रथमच ही संकल्पना महाविद्यालयाने राबवली. कार्यक्रमाचे आयोजक पिंपरी चिंचवड एज्युकेशनल ट्रस्ट यांना इलेक्शन कमिशन ऑफ इंडिया, WE फाउंडेशन, एलेक्टोरल लिटरसी क्लब, पीसीएमसी स्मार्ट सारथी, सीईओ महाराष्ट्र, पीसीईटी इन्फिनिटी 90.4 तसेच पिंपरी चिंचवड महानगरपालिका या सर्व सह- आयोजकांची साथ लाभली. या संमेलनाला प्रमुख अस्था ४ सत्रांमध्ये घेण्यात आले. त्यामध्ये पत्रकारिता, युवकांचे मतदानातील योगदान, लोकशाही व चार स्तंभ, राष्ट्र बांधणीतील युवकांची भूमिका या सत्रांचा समावेश होता.

कार्यक्रमाची सुरुवात पुणे जिल्ह्याचे कलेक्टर सुहास दिवसे यांच्या मार्गदर्शनाने झाली. दरम्यान पहिल्या सत्रामध्ये विद्यार्थी वक्ते विराज चतुरे, प्रितेश खोलपकर यांनी मतदान जागृती या विषयावर मत मांडले. तसेच द्वितीय सत्रामध्ये मोनिष मैद, श्रीकांत जाधव, ऍडव्होकेट. सुश्रुत कांबळे या विद्यार्थी वक्त्यांनी पत्रकारिता या विषयावर संबोधित केले. पुणे जिल्हा डेप्युटी कलेक्टर अर्चना तांबे यांनी देखील सर्व विद्यार्थ्यांना मार्गदर्शन केले. कार्यक्रमाला रंगत आणत लेखक अरविंद जगताप यांनी विनोदी, मार्मिक अस्था आपल्या खास शैलीमध्ये पत्रकारिता व युवकांचे राष्ट्र घडणीतील योगदान यावर मार्गदर्शन केले. दरम्यान त्यांनी आपल्या काही कविता सादर करत व विद्यार्थ्यांच्या प्रश्नांना उत्तम उत्तरे देत सर्व प्रेक्षकांचे मन आकर्षित केले. दुसऱ्या दिवशीचे प्रथम म्हणजे कार्यक्रमाचे तिसरे सत्र: यात क्षितिज नाईक, हर्षवर्धन शिंदे यांनी लोकशाही व चार स्तंभ यावर विचार मंथन केले. दिशा फाउंडेशन चे संस्थापक डॉ. गणेश राऊत सर, धुव्याचे अतिरिक्त पोलीस अधीक्षक किशोर काळे, WE connect च्या मुख्य एडिटर कोरीना मॅनुअल या सर्व प्रमुख वक्त्यांनी विद्यार्थ्यांशी भाषणाद्वारे संवाद साधला. चौथे व अंतिम सत्र सुरू होण्याआधी विद्यार्थ्यांचा सहभाग वाढविण्यासाठी काही प्रश्न विचारण्यात आले व योग्य उत्तर देणाऱ्यांना काही आकर्षक भेटवस्तू देण्यात आल्या. सुशांत बालगुडे, प्राजक्ता भांगे, ओमकार उबाळे या विद्यार्थी वक्त्यांनी राष्ट्र घडणीत युवकांचा सहभाग यावर विचार मांडले. मुख्य अतिथी वक्ते म्हणून दलीत इंडियन चेंबर चे चेअरमन पद्मश्री. मिलिंद कांबळे, अतिरिक्त मुख्य सचिव जिंटी महाराष्ट्र श्रीकांत देशपांडे सर, सकळ मराठा परिवार चे संस्थापक दिनेश कदम लाभले. श्रीकांत देशपांडे सरांनी विद्यार्थ्यांशी दिलखुलास संवाद साधत आपले विचार मांडले.

कार्यक्रमांची सांगता करत असताना युथ कॉन्फरन्सच्या मनोरंजक, मार्मिक पद्धतीने संदेश देण्यासाठी 'लोकशाही की लोभशाही' या नाटकाद्वारे समाज प्रबोधन केले. कार्यक्रमाचे आयोजक म्हणून पीसीईटी चे डिजिटल मार्केटिंग हेड डॉ. केतन देसले सर, WE फाउंडेशन च्या जिल्हा समन्वयक सहेल खानोलकर,, WE फाउंडेशन चे महाराष्ट्र राज्य समन्वयक अल्तफ पिजदि सर यांनी व विद्यार्थी प्रतिनिधी म्हणून अभिजित बनसोडे, गौरव आरकास, स्वराज बांगर, सचिन गिरवले, अथर्व जाधव यांनी आपली भूमिका पार पाडली. सर्वांनीच कार्यक्रमाचे खास कौतुक केले व दरवर्षी सतत हा कार्यक्रम घेण्यात यावा अशी मागणी केली. पिंपरी चिंचवड एज्युकेशनल ट्रस्ट चे सर्व

विश्वस्त, डॉ. गिरीश देसाई सर, पिसिसिओई चे डायरेक्टर गोविंद कुलकर्णी सर यांनी पुढील वाटचाली साठी खास शुभेच्छा दिल्या.



Mechanical Department

Faculty achievements:-

1. Dr. C. L. Ladekar, delivered session on "Data Analysis" during one week workshop on Research Methodology conducted at D. Y. Patil University, Ambi, Pune.
2. Mr. Gaffar omin and student Mr. Athrva P Chaudhari has published copyright on topic, "Emergency Door Lock For Dizziness Suffering Patients". Registration number is L 136244/2023.
3. Mrs. R.S. Pimpalkar has published copyright on topic, "Intelligenet Solar illumination system with AI based Self-Cleaning of Solar Panel ", Registration number is L 408656-001.

*Congratulation Team Baron and Team
Mentor Mr. C.R. Ingole*



Student Achievement:-

Pimpri Chinchwad, Pune, April 18, 2024 - The motorsports team of Pimpri Chinchwad College of Engineering, known as TEAM MAVERICK INDIA, has achieved remarkable success in the prestigious SAE Aero Design West Competition held in Van Nuys, California, USA. Out of 75 participating teams from all over the world, the team secured an impressive 4th rank in mission requirements, 16th rank in design report, and an overall-10th rank. This outstanding performance not only brings honor to the institution but also showcases the exceptional abilities of Indian engineering students on a global platform.



Computer Department CSE (AIML)

1. The session on Financial Literacy and Stock Market Mastery, organized by Team AiMSA in collaboration with Topper's Trading Institute, was successfully held on April 15th. This session aimed to provide valuable insights into the world of finance and stock trading, empowering attendees with the knowledge and skills to make informed decisions in the market. Whether participants were finance enthusiasts or simply curious about the stock market, the session welcomed all who had an interest in learning and growing in the field of finance.



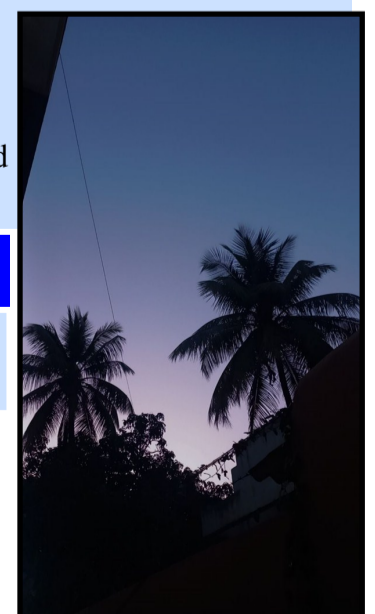
Student Achievements

1. Aniruddha Patil and Ayush Bodkhe of Team Maverick India placed 10th overall, 4th in Mission Requirement, and 16th in Design Report at the SAE ADC WEST event in California, April 12-14, 2024.
1. Rushikesh Biradar and Shailesh Kaliya secured internships at PTC with a stipend of 22K per month, offered by PCCOE T&P.
2. Aashirwad Kankariya, Dhanshree Yadav, Soham Narsale, Parth Singhal, Gautam Bhagat, and Chetan Indulkar have earned internships at Muks Robotics with a stipend of 8K per month.
3. Sarthak Kshirsagar has secured an internship at RHYNO WHEELS PVT LTD with a stipend of 7K per month.
4. Piyush Agarwal has been selected for an internship at Data Lumina with a stipend of 12K per month.
5. Dharin Dave has earned an internship at Fenixworks Solutions with a stipend of 5K per month.
6. Sonali Mankare and Sayali Patil with a stipend of 4K, Anurag Mishra with a stipend of 6K per month have secured internships at BOP.



Department of AS & H

Dr. Sandip Jagadale published a research paper titled "Fabrication of single-step Novel synthesis of ZnCd(S_{0.5}Se_{0.5})₂ thin films for Photo electrochemical (PEC) Cell Application" in the journal "Physica B: Condensed Matter Physics" (Scopus indexed).



Information Technology Department

Faculty and Students Publications, Achievements

Sr. No.	Topic	Author	Specifications
1.	Paper: Assessment of diabetic retinopathy progression using CNN from ocular thermal images."	Roshani Raut, Ashwini Sapkal, Vaishali Ingale, Pradnya Borkar & Parul Bhanarkar	Soft Computing (2023), Springer: 1-7., Scopus SCI-Q2
2.	Paper: ViSTORY: Effective Video Storyboard Generation with Visual Keyframes using Discrete Cosine Transform	Ashvini Tonge, Sudeep Thepade	International Journal of Technology, ISSN-2086-9614

Student Corner

- Farewell function of Final Year students held on 19th April 2024 at 7:00pm at Seminar Hall, Mechanical Department. All the students were felicitated by their project guides. Students expressed their gratitude towards faculties by giving speech. Students enjoyed the function and celebration ended with delicious dinner.
- Aryaan Madhaani T. Y. B. Techgot selected in IEEE India Council Student Coordination Team



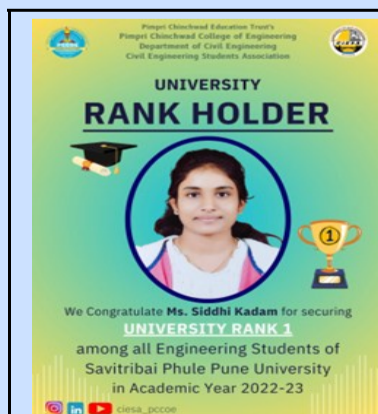
Civil Engineering Department

Faculty Achievements:

- Dr. Sandip T. Mali and Mr. Tanmay Khambekar, published a paper on title, "An Assessment of the River Water Quality Parameters: A Case of Pavana River, Pune India at Bulletin of Environment, Pharmacology and Life Sciences Volume 12 (12), pp. 148-154.
- Dr. A. K. Gaikwad, Professor in Dept of Civil Engineer along with six faculty of other departments attended the National Ayush Conference NAC-2024, a significant training program focused on achieving Work life balance through the science of living on 21st -22nd April 2024.
- Dr. S.P. Banne delivered expert lecture on "Earth Pressures" at Jai hind college of Engineering, Kuran, Junnar. on 26th April 2024.
- Ms Anushree A. Chandragade attended session on "Case histories of the impact of natural chemical and microbiological processes in Geotechnical Engineering" by Dr. Stephan Jefferis, Professor, University of oxford and director, Environmental Geotechnics Limited, Adderbury, Banbury, UK organized by University of Illinois Chicago on 18th April, 2024.
- Ms Anushree A. Chandragade successfully completed online course of "Bio-culture diversity conservation and climate action" conducted by Centre for Environment Education Youth Leadership for Climate Action on 4th April, 2024.
- Dr. Ingle, P (2024) published a paper titled "Reducing non-value adding activities through lean tools for the precast industry", Heliyon, [SCI:4, Q1], (Elsevier).
- Dr. Ingle, P (2024) successfully completed 2-week NEP 2020 Orientation & Sensitization Programme organized by MMTTP (Malavia Mission Teacher's Training Programme) of UGC- Human Resource Development Centre of SPPU, Pune on 22/04/24 To 30/04/24.
- Dr. Ingle, P organized guest lecture under course, "Building Services and Maintenance" by Dr Uma S, Managing director, Sakthi consultant, Coimbatore on 2nd and 4th April, 2024.
- Dr. Suresh Nama successfully conducted an extensive six-hours online lector for master's students at IIT Guwahati on 11th April, 2024.

Students Achievements:

- S.Y. B-tech Civil students successfully completed Road survey project under the course Survey and Geomatics at Moshi on 28th April, 2024 under the guidance of Dr. A. K. Gaikwad, Dr. V.A. Rangari and Dr. Suresh Nama.
- B-Tech Civil students Mr. Pratik Sawant, Mr. Sufiyan Khan, Mr. Sharad Narute and Mr. Sumit Sonvane project work, 'Assessment of water use efficiency of irrigation system for Devarashtre Village under Takari Irrigation Scheme' under the guidance of Mrs. Nameeta Sane was acknowledged and appreciated by Dr. Gopal Chavan, IIT Bombay under Unnat Maharashtra Abhiyan group.
- Ms. Gayatri P. Deore , PG CM student received best paper award on title 'Development of Framework with circular economic approach for sustainable construction and demolition waste management for residential building' organized by Genba Sopanroa Moze College of Engineering, Balewadi Pune during 22nd - 23rd April, 2024.
- Civil Engineering students were Winners of GEOFEST 2024 held at PCCoE Ravet - Mr. Sarthak Dalal, Mr. Umesh Amrutkar, Ms. Divya Patil, Ms. Shravani Palav, Mr. Mukul More, Mr. Yuvraj Garje , Mr. Sahil Misale , Mr. Harsh Nakti and Ms. Srushti Sarode on 6th April, 2024.



Ms. Siddhi Kadam, **University Rank 1**

Mr. Avishkar Doke (**Rank 7**), Ms. Siddhi Pampattiwar (**Rank 8**) & Ms. Sanjivani Sankpal (**Rank 8**)

B-tech Final Year Civil Farewell on 18th April, 2024.

Civil Engineering Department's **Sthapatya 2024**

Computer Engineering Department

Faculty Achievements

1. **Dr. Madhura M. Kalbhor**, a distinguished scholar in the realm of medical image analysis and cancer diagnosis, recently attained her Ph.D. from Savitribai Phule Pune University, under the esteemed guidance of Dr. Swati V. Shinde. Her thesis, titled "An Intelligent Approach for Cervical Image Analysis in Cancer Diagnosis," showcases her profound dedication to advancing healthcare through cutting-edge technology. Dr. Kalbhor's exceptional journey is marked by numerous accolades and ground-breaking achievements.

Her pioneering research has garnered significant attention, evident in the prestigious grants she has secured. Notably, the Department of Science and Technology awarded her a substantial grant of INR 35,70,576 for her project, "CerviTester: A Smart and Portable Screening Device for AI-Assisted Automated Diagnosis of Cervical Cancer in Low Resource Settings." Additionally, she received seed funding from PCCOE Pune for her project on medical dataset imaging acquisition and cervical lesion detection.

Dr. Kalbhor's innovative contributions extend to intellectual property rights, with several patents and copyrights to her name. Notably, her patents include "CerviTester: A Smart and Portable Screening Device for AI-Assisted Automated Diagnosis of Cervical Cancer in Low Resource



2. **Dr. Deepali N. Naik's** remarkable achievement in receiving her Ph.D. for her thesis titled 'Development of System for Predictive Analysis and Remediation for IT Infrastructure Failures' marks a significant milestone in the field of Computer Science Engineering. Under the guidance of Dr. Ambika V. Lawande, her research journey at Symbiosis International (Deemed) University, Pune, has been characterized by profound insights and ground-breaking contributions. The outcomes and accolades of Dr. Naik's research are truly commendable. Her work has resulted in seven publications, including six articles in prestigious journals and one in Scopus indexed conference proceedings. Noteworthy among her journal publications are articles such as "Robust Analysis of IT Infrastructure's Log Data with BERT Language Model" published in the International Journal of Advanced Computer Science and Applications, and "Failure Detection Using Semantic Analysis and Attention-Based Classifier Model for IT Infrastructure Log Data" published in IEEE Access. These publications not only demonstrate her scholarly rigor but also underscore her expertise in the domain of IT infrastructure management and failure analysis. In addition to her journal publications.



3. **Mrs. Chhaya Nayak's** innovative prowess in the realm of mental health technology has yielded remarkable results with the design patent issuance for her Depression Detection Device. This achievement underscores her commitment to addressing critical issues in mental health through technological innovation. The design patent, bearing number 402926-001 and issued on 21st February 2024, signifies the uniqueness and originality of her device, setting a new standard in the field. Mrs. Nayak's dedication and ingenuity have paved the way for a promising tool in the detection and management of depression, offering hope for improved mental well-being for countless individuals.

Farewell 2024

The farewell ceremony for students of the Computer Department was a poignant celebration of their academic journey, marked by achievements and memories cherished. Among the standout moments were the awards bestowed upon exemplary students, each symbolizing excellence in various facets of their educational voyage.

Sahil Shinde, recognized as the Best Outgoing student, exemplifies academic brilliance and leadership, leaving an indelible mark on the department. His dedication and commitment have set a high standard for future generations to aspire to.

Om Bidwe's receipt of the Most Innovative award speaks volumes about his creative prowess and forward-thinking mindset. His ability to think outside the box and push the boundaries of conventional wisdom promises a future filled with groundbreaking contributions to the field of computer science.

Pranav Lad's achievement of securing the Highest Package is a testament to his hard work and determination. His success not only reflects his individual accomplishments but also serves as an inspiration to his peers.

Kuldeep Lakhe's pursuit of higher studies signifies a commitment to academic excellence and lifelong learning. His decision to further his education reflects a desire to deepen his understanding and expertise in the field, paving the way for future advancements and discoveries.

As these students bid farewell to their alma mater, they carry with them the pride of their achievements and the anticipation of a future filled with promise and opportunity.



Seminars / Workshops

1. We witnessed a transformative event as NSS brought forth the Voter Empowerment Extravaganza to PCCoE's Seminar Hall in the Mechanical Building on April 5th, 2024. This groundbreaking initiative aimed to ignite the spirit of democracy and empower PCCoE students to actively participate in shaping their future. With a special guest speaker gracing the occasion, attendees were treated to expert insights on civic engagement, youth empowerment, and the significance of voting.

Led by the NSS team, this event is not just about raised awareness but also about inspiring action. It's a call to arms for students to amplify their voices, exercise their democratic rights, and become catalysts for positive change in society. Through interactive sessions and engaging discussions, participants will be equipped with the knowledge and tools necessary to make informed decisions and contribute meaningfully to the democratic process.

2. We're thrilled to announce our college's exceptional triumph in this year's Firodia Karandak 2024 competition, a prestigious event showcasing talent from across the region! It's with immense pleasure that we share our remarkable success in securing not just one, but four esteemed prizes, judged by renowned Music Composers of Bollywood and the Marathi industry, Mr. Ajay and Mr. Atul. Firstly, our team's ingenuity shone through as we clinched the 1st prize for Special Effect with our live train performance, a testament to the creativity and technical prowess of Sanket More, Kshaunish Borkar, Krishna Kalaspurkar, Soham Brahmankar, Aayog Kewate, and the entire set team. Furthermore, our talented individuals excelled in instrument playing, with Nidhi Vartak mastering the Melodica and Shantanu Sonar mesmerizing with the Congo, both securing 1st prizes in their respective categories. Additionally, our dynamic dance ensemble, comprising Ashutosh Takpire, Pranamyia Rajeevan, Shrushti Sarode, Tanvi Shimpi, Arya Dabhalkar, Praful Gunjal, Kedar Fulsawange, Aarya Deshpande, Omkar Padhwalkar, Samruddhi Nimbalkar, and Ayush Deshmane, stole the show with their breathtaking freestyle performance, earning them the 1st prize.



This remarkable achievement is a testament to the dedication and hard work of our students and faculty, reflecting the collaborative spirit and commitment to excellence that defines our institution. We couldn't be prouder of our talented performers, whose passion and creativity have truly paid off on this grand stage.

3. Kshitij-2024, our annual showcase of innovation and ingenuity, is set to dazzle with an impressive array of projects shortlisted for demonstration. Organized into three categories, these projects represent the culmination of dedicated efforts and ground breaking ideas from our talented students.

In the first category, we have 14 patentable B.Tech. projects, meticulously selected by our Patent Facilitation Team and esteemed Patent Attorney. These projects exhibit the potential to make significant contributions to their respective fields. Moving on to the second category, we are proud to present 17 projects that have already been granted patents, a testament to their innovative nature and practical applicability. These projects have garnered recognition and endorsement from their departments, highlighting their value and impact. Lastly, in the third category, we showcase 10 commendable projects recommended by departments for their exceptional quality and relevance. These projects stand as shining examples of academic excellence and creative problem-solving.

Department of Computer Engineering



MCA Department

FY MCA students Sushant Walunj and Subham Jadhav showcased their athletic prowess by securing the 2nd and 3rd place, respectively, in the college-level marathon held as part of the PCCOE Fitness First Festival 2024. This event saw enthusiastic participation from students across the college, with Sushant and Subham demonstrating exceptional endurance.



At **TechQuest**, part of TechFest 2024 organized by Indira College, Jesse James Moses secured the top position, while Prabhujyoti Singh was recognized as the Runner-Up. TechQuest, a coding competition with three rounds, saw participation from numerous colleges across Pune, showcasing the city's diverse talent. Jesse and Prabhujyoti were invited back for the prize distribution ceremony the next day, where they were acknowledged for their achievements and contributions to the competition.



The expert session on "Data Classification Techniques" was conducted by Tushar B. Kute, a Data Scientist from MITU Skillologies, Pune. The session spanned two days and covered a range of topics in data science. Participants had the opportunity to refresh their understanding of data science fundamentals and delve into advanced topics such as supervised and unsupervised learning, with a specific focus on classification methods like decision trees and Naive Bayes. This session provided valuable insights and practical knowledge, enhancing students' proficiency in data classification techniques and their



Workshop on the Emerging Trends in Information Technology



The MCA student association organized a guest session titled "Emerging Trends in Information Technology," led by Mr. Bhupendra Somwanshi, an Associate Manager and Automation Lead at Accenture Pvt. Ltd. The session covered several crucial points, including discussions on industry volatility, competitiveness, trending technologies, and understanding industry requirements. Mr. Somwanshi also shared insights from his extensive experience in the IT field, offering valuable advice on identifying problems, finding solutions, and navigating the challenges and competitions prevalent in the industry. The session provided students with a comprehensive understanding of current IT trends and equipped them with practical knowledge to excel in their future careers.

Workshop on Cyber Security

Dr. Rachana Y. Patil conducted an expert session on cyber hygiene, focusing on spreading awareness about essential practices for safe internet usage and addressing current cyber threats. The session delved into various types of threats prevalent in the digital landscape and provided valuable insights into proactive measures individuals can take to protect themselves. Dr. Patil emphasized the importance of maintaining strong passwords, regularly updating security software, avoiding suspicious links and emails, and practicing safe browsing habits. By educating participants about the significance of cyber hygiene and equipping them with practical strategies to mitigate risks, the session played a crucial role in fostering a safer online environment for all.



The MCA department recently organized Roadies, an exhilarating endurance test that saw the participation of 10 teams. This electrifying event challenged the physical and mental prowess of the competitors, pushing them to their limits through a series of rigorous challenges. From obstacle courses to mental puzzles, each task demanded quick thinking, teamwork, and unwavering determination. Participants showcased their resilience as they navigated through the grueling course, overcoming obstacles with grit and tenacity. Spectators cheered on as teams pushed themselves to the brink, displaying remarkable feats of athleticism and strategic thinking. Roadies proved to be not only a test of strength and agility but also a testament to the indomitable spirit of the participants. It fostered camaraderie among competitors and left a lasting impression on all who witnessed the thrilling spectacle.

The first-year students from the MCA department put together a warm farewell celebration for their seniors, filled with heartfelt moments and lots of fun activities. They decorated the venue beautifully, creating a warm and welcoming atmosphere for everyone. As the seniors arrived, they were greeted with smiles and hugs, making them feel appreciated and loved. The evening kicked off with speeches and heartfelt messages from the juniors, expressing their gratitude and best wishes for the seniors' future endeavors. Following the emotional tributes, the atmosphere lightened up with a series of entertaining games that brought everyone together in laughter and friendly competition. From classic favorites like musical chairs to creative team challenges, there was something for everyone to enjoy. The dinner that followed was a delicious spread of various dishes, enjoyed by all as they continued to share stories and make memories together. Overall, it was a memorable evening filled with love, laughter, and appreciation for the bonds formed within the MCA department.



Other Events and Activities in PCCoE

PCCoE's KSHITIJ-2024
Showcasing Innovations @ PCCoE

Pimpri Chinchwad College of Engineering (PCCoE) cordially invites you to "PCCoE-क़ित्तिज 2024"

Unveiling patentable projects developed by students. A unified platform enabling industry decision-makers to discover cutting-edge student innovations, explore new opportunities, and embark on new ventures.

Patentable Ideas for Kshitij 2024 :

- Flood Alert System using Deep Learning
- Hybrid Solar System
- Structural Health Assessment
- Robotic Railtrack Inspection System
- Child safety and security system
- Automatic Layout Marking Vehicle

VENUE
Pimpri Chinchwad College of Engineering,
Sector 26, Pradhikaran, Nigdi, Near Akurdi Railway Station, Pune, Maharashtra-411044

www.pccoepune.com/kshitij-2024

Dr. Narendra Deore +919637707616
Dr. Swati Shinde +917350318050

13 APRIL 2024
10:30 AM - 7:30 PM

PIMPRI CHINCHWAD EDUCATION TRUST'S
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Indra Dhanush 2024
PCET's Pimpri Chinchwad College of Engineering
Cordially invites you to Indra Dhanush 2024 : Industry-Academia Meet
30th APRIL 2024 | 10:30 AM - 01:30 PM

Objectives of Indra Dhanush 2024

- To understand various challenges and issues of industry to get the skilled workforce
- To upskill and reskill employees
- To understand from the industry about reforms required in the professional academic programs to mitigate these issues
- To brief about B. Voc. Program

Panel Discussion

- Challenges & issues in getting skilled workforce for industry
- Upskilling and reskilling of employees
- Reforms required in the professional academic programs to mitigate these issues

Panelist

- Mr. Dhruv R. Dubé
- Mr. Ashutosh Joshi
- Mr. Laxman Bhesale
- Mr. Vishal Kulkarni
- Dr. Sanjay Singh
- Ms. Shubhadevi Mane

Venue: PCET's Auditorium Hall, Sector -26, Pradhikaran, Nigdi, Near Akurdi Railway Station, Pune - 411044.
FOR MORE DETAILS, PLEASE CONTACT:
9370223675 | 9098989885 | 988127667 Email: info.bvoc@pccoepune.org

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FOR THE STUDENTS BY THE STUDENTS

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INSTITUTION'S INNOVATION COUNCIL
IEEE Signal Processing Society
ETSA
IETE

DATE: 11TH AND 12TH APRIL 2024

Pimpri Chinchwad Education Trust's
PIMPRI CHINCHWAD COLLEGE OF ENGINEERING (PCCOE), PUNE

Congratulations

Team Ayurmarg

TEAM AYURMARG
(Siddhi Bajpal, Mohit Bagul, Prathamesh Wakade & Mrunal Gaikwad of PCET's PCCOE)

for securing **1st Runner Up** place in one of India's largest Generative AI (Gen AI), data analytics, IoT, AR/VR and Blockchain Hackathons of **Cognizant Digital Nurture Techniverse Hackathon 2023 - Unleash innovation**

PIMPRI CHINCHWAD COLLEGE OF ENGINEERING
EQUAL OPPORTUNITY CELL

वाचाल तर वाचाल!!
संविधानाचे शिल्पकार
डॉ. बाबासाहेब आंबेडकर यांच्या
जयंती निमित्ताने एक अनोखा
उपक्रम
**12 तास
अध्ययनाचे**
आयोजक : समान संधी केंद्र
शनिवार, १३ एप्रिल २०२४
सकाळी ८ ते रात्री ८
ठिकाण : पीसीसीओई रिडींग हॉल

Pimpri Chinchwad Education Trust's
PIMPRI CHINCHWAD COLLEGE OF ENGINEERING (PCCOE), PUNE

Congratulations

TEAM BINARY BRIGADE
(Mrunal Jadhav, Makardhwaj Kamble & Arjun Shukla of PCET's PCCOE)

for securing **2nd Runner Up** place in One of Europe's largest AI and IoT Hackathons **Bosch Global Software Technologies BOROSA - Bosch Road Safety Hackathon Challenge -2024**

Pimpri Chinchwad Education Trust's
Pimpri Chinchwad College of Engineering

ICCUBEA 2024
23, 24 AUGUST 2024

Call for Papers
8th International Conference on "Computing, Communication, Control and Automation"

Call for Special Session
For more details please visit:
iccubea.pccoepune.com/index.php

We invite papers from Academicians, PhD Research Scholars, Researchers from Industry and UG/ PG students to submit original and unpublished work. Accepted papers presented at the conference will be eligible for submission for further consideration for publication in the IEEE Xplore, subject to quality maintenance and post-conference scrutiny through the Technical Program Questionnaire (TPQ) response.

CONFERENCE TRACKS	REGISTRATION FEES	
	Early Bird	Regular
Signal and Image Processing	Faculty (IEEE Member) Rs. 5500	Rs. 6000
Robotics, Control, and Automation	Faculty (Non-IEEE Member) Rs. 6000	Rs. 6500
Electronics and Communication Systems	UG/ PG / PhD Scholar (IEEE Member) Rs. 5000	Rs. 5500
Power Systems and Renewable Energy	UG/ PG / PhD Scholar (Non-IEEE Member) Rs. 5500	Rs. 6000
VLSI & Embedded Systems	Corporate / Industry Rs. 6500	Rs. 7000
Data Science and Big Data Analytics	International Participants \$110	\$130
Internet of Things and Computer Networks		
Image Processing and Computer Vision		
Cognitive Computing and Machine Learning		
Information, Cyber and Network, Security		
Computer Applications and Business Mgmt.		

IMPORTANT DATES

Date	Event
30TH MARCH 2024	Paper Submission Deadline
30TH MAY 2024	Acceptance Notification
15TH JUNE 2024	Camera Ready Paper Submission
15TH JULY 2024	Registration and Payment
23RD TO 24TH AUGUST 2024	Conference Date

CONFERENCE LINKS
https://iccubea.pccoepune.com
https://cmt3.research.microsoft.com/ICCUBEA2024

REACH US AT
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Pimpri Chinchwad College of Engineering
Sector No. : 26, Nigdi, Pradhikaran, Pune-411044 (MH, India)

EMAIL: iccubea24@gmail.com



The Equal Opportunity Cell (EOC) of Pimpri Chinchwad College of Engineering has successfully celebrated the 133th birth anniversary on 14th April 2024 in Institute, of Bharatranta, "Dr. Babasaheb R. Ambedkar".

3rd International Conference on Innovations in Mechanical And Civil Engineering

Jointly Organized by
Department of Mechanical Engineering
and
Department of Civil Engineering
**Pimpri Chinchwad College of Engineering,
Pune 411 044 (INDIA)**

Conference Theme: "Resilient and Adaptive Smart Technologies"
(23rd and 24th August 2024)

Conference Topics

Code	Topic	Code	Topic
M1	Modelling, Simulation & Optimization Techniques	C1	Waste and Water Management plans for Sustainable Environment
M2	Sustainable Materials and Manufacturing	C2	Smart Cities and Construction Technologies
M3	Resilient and Adaptive Design	C3	Alternative Structural Engineering
M4	Thermal and Fluid Engineering	C4	Transportation and Environmental Geotechnics
M5	Alternative and Renewable Energy	C5	Automation & soft Computing in Civil Engineering
M6	Smart Manufacturing	CM	Indian Knowledge System in Mechanical and Civil Engineering
M7	Sustainability in Design		
M8	Industry 4.0		

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

Important Dates

Date	Event
28 th Mar 2024	Submission of Full-Length Paper by
15 th April 2024	Notification of acceptance of Paper by
15 th May 2024	Submission of Final Full-Length Paper by
30 th April 2024	Early bird Registration on or before

Paper submission guideline is available on www.i-mace.pccoepune.com

Contacts:
Dr. Pravin R. Kale, Conference Chair
Cell No. 9011085735
Dr. Dhiraajkumar S.Lal Conference Co-Chair
Cell No. 9763710463
Dr. Laxman V. Awadhani Conference Co-Chair
Cell No. 9359755934
Dr. Pankaj Mali -Civil Department
Cell No. 8806244477
Dr. Abhay Lingayat -Mechanical Department
Cell No. 9766906894
For more details, please visit:
www.i-mace.pccoepune.com

Other Events and Activities in PCCoE

PIMPRI CHINCHWAD COLLEGE OF ENGINEERING
EQUAL OPPORTUNITY CELL

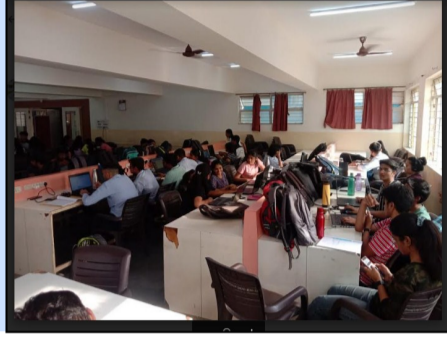
वाचाल तर वाचाल!!

संविधानाचे शिल्पकार
डॉ. बाबासाहेब आंबेडकर यांच्या
जयंती निमित्ताने एक अनोखा
उपक्रम

**12 तास
अध्ययनाचे**

आयोजक : समान संधी केंद्र
शनिवार, १३ एप्रिल २०२४
सकाळी ८ ते रात्री ८
ठिकाण : पीसीसीओई रिडींग हॉल

1. The *first-ever* **"RASTE PE MASTI"** event, organized by **PCCOE Fitness First Festival!** Get ready for a day filled with laughter, excitement, and unforgettable memories. Date: 15/04/2024 Time: 3:30 pm to 6:30 pm Location: PCCoE Lawn Experience the thrill of a big carnival right here at PCCOE. From games and activities to delicious food and live entertainment, there's something for everyone to enjoy.



2. **वाचाल तर वाचाल!**
PCCoE, Celebrate Dr. Babasaheb Ambedkar's Birth Anniversary with a 12-hour reading session at Equal Opportunity Cell PCCoE!

Raste Pe Masti

Presented By
PCCOE FITNESS FIRST FESTIVAL

Date: 15th April 2024
Time: 3:30 PM - 6:30 PM

FIRST TIME IN PCCOE
JOIN US FOR AN UNFORGETTABLE EXPERIENCE!

360 VIDEOBOOTH ROPE FOR TUG OF WAR
HULA HOOPS MINI FOOTBALL
GIANT JENGA ZUMBA
FOOD STALLS MANY MORE...

18 APR

Smt. Padmatai Bhosale

Vice Chairperson - Pimpri Chinchwad Education Trust

Wish You Many Many Happy Returns Of The Day

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- Pimpri Chinchwad College of Engineering & Research (PCCOE&R), Pune
- Pune Business School (PBS), Pune
- S. B. Patil Public School (SBPPS), Pune
- S. B. Patil Institute of Management (SBPIM), Pune
- S. B. Patil College of Architecture and Design (SBPCOAD), Pune
- S. B. Patil College of Science & Commerce (SBPCSC), Pune
- Pimpri Chinchwad College of Arts, Commerce & Science (PCACS), Pune
- Pimpri Chinchwad University (PCU)

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संस्थापक अध्यक्ष- पिंपरी चिंचवड एज्युकेशन ट्रस्ट

स्व.शंकररावजी (माऊ) बाजीरावजी पाटील

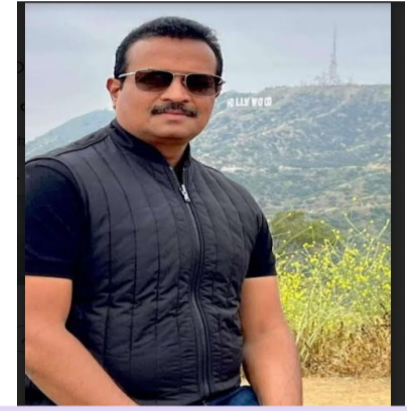
यांच्या १०० व्या जयंती निमित्त
विनम्र अभिवादन..!

(१५ फेब्रुवारी १९२४ -१३ सप्टेंबर २००६)

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- S. B. Patil Public School (SBPPS), Pune
- S. B. Patil Institute of Management (SBPIM), Pune
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उद्योजक श्री. नरेंद्र शेट लांडगे यांस
वाढदिवसाच्या हार्दिक शुभेच्छा

The Indian Knowledge System (IKS) "Water Management in Ancient India" ..Dr. Kanchan Khare

Water management in ancient India was a sophisticated and integral part of society, reflecting a deep understanding of hydrology and the importance of conserving and managing water resources. The Harappan civilization, dating back to around 3000 BCE, is one of the earliest examples of advanced water management, with evidence of well-planned urban centers featuring elaborate drainage systems, reservoirs, and water harvesting techniques. The Vedic texts, such as the Rigveda and Atharvaveda, contain references to the water cycle, water quality, and hydraulic structures, indicating a comprehensive knowledge of water management practices. During the Mauryan Empire, large-scale water projects including dams, spillways, and canals were constructed, showcasing an understanding of water balance and the development of water pricing systems. This era is often referred to as the first "hydraulic civilization" of India. The Arthashastra, an ancient Indian treatise on statecraft, economic policy, and military strategy, also provides detailed accounts of water management, emphasizing the importance of building and maintaining water storage and distribution systems. It even prescribed penalties for obstructing or diverting watercourses, highlighting the significance of equitable water distribution. These ancient practices underscore the value placed on the water as a life-sustaining resource and the ingenuity with which ancient Indians approached its management. These practices offer sustainable solutions and can inspire modern water management strategies in several ways. The details about these water management practices will be addressed in the next few articles.



पीसीसीओईचा माजी विद्यार्थी शुभम भगवान थिटे याने यूपीएससी परीक्षेत यश मिळविलेले



पीसीसीओईचा माजी विद्यार्थी शुभम भगवान थिटे याने यूपीएससी परीक्षेत (Akurdi) मिळविलेले उल्लेखनीय यश कौतुकास्पद आहे. त्याचा पीसीईटी व्यवस्थापनाच्या वतीने सत्कार करताना आम्हाला अभिमान वाटतो असे पीसीईटीचे सचिव विठ्ठल काळभोर यांनी सांगितले.

पीसीसीओईचा 2018 च्या मेकॅनिकल विभागाचा माजी विद्यार्थी शुभम थिटे याने नुकत्याच जाहीर झालेल्या यूपीएससी परीक्षेत उल्लेखनीय यश मिळवले. त्याचा सत्कार काळभोर यांच्या हस्ते ट्रस्ट कार्यालयात करण्यात आला. यावेळी पीसीईटीचे अध्यक्ष ज्ञानेश्वर लांडगे, उपाध्यक्ष पद्माताई भोसले, खजिनदार शांताराम गराडे, विश्वस्त तथा पीसीयूचे कुलपती हर्षवर्धन पाटील, उद्योजक नरेंद्र लांडगे, अजिंक्य काळभोर, कार्यकारी संचालक डॉ. गिरीश देसाई, पीसीसीओई चे उपसंचालक डॉ. निळकंठ चोपडे, मेकॅनिकल विभाग प्रमुख डॉ. पद्माकर देशमुख आदी उपस्थित होते.

यावेळी काळभोर यांनी सांगितले की, 33 वर्षापूर्वी स्वर्गीय शंकरराव बाजीराव पाटील यांनी स्थापन केलेल्या पिंपरी चिंचवड एज्युकेशन ट्रस्टच्या आकुर्डी येथील कॅम्पस मध्ये अभियांत्रिकी, आर्किटेक्चर, व्यवस्थापन अशा विविध शाखांमध्ये पदविका, पदवी, पदव्युत्तर उच्च व आधुनिक शिक्षण देण्याची व्यवस्था आहे.