



PIMPRI CHINCHWAD EDUCATION TRUST
A Trusted Brand in Education Since 1990



International Relations
Cell, PCCOE

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PIMPRI CHINCHWAD EDUCATION TRUST'S

PIMPRI CHINCHWAD COLLEGE OF ENGINEERING

INTERNATIONAL RELATIONS

INTERNSHIPS AT PCCOE

**Connecting Cultures,
Strengthening Global Ties.**



Address

Dean International Relations Office
PCET's Pimpri Chinchwad College of Engg.
Sector -26, Pradhikaran, Nigdi,
Near Akurdi Railway Station,
Pune - 411 044.

Contact

-  dean.irc@pccoepune.org
-  www.pccoepune.com/ir/ir-home.php
-  020 27600083

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About us

Pimpri Chinchwad Education Trust (PCET) is a renowned trust committed to excellence in education. Established with a vision to empower students, it offers world-class learning facilities and industry-driven programs.

Pimpri Chinchwad College of Engineering (PCCOE) is one of PCET's flagship institutions, known for its academic rigor and innovation. With a strong emphasis on research, hands-on learning, and industry collaborations, PCCOE nurtures future-ready professionals. Its vibrant campus, state-of-the-art laboratories, and excellent placement opportunities make it a preferred choice for aspiring engineers. PCCOE offers various UG, PG, & Ph.D Programs in Computer Engineering, Computer Engineering (Regional), Civil Engineering, Computer Science & Engineering (AI-ML), Electronics and Telecommunicaton Engineering, Information Technology Engineering, Mechanical Engineering.

The Office of Dean, International Relations at PCCOE plays a pivotal role in fostering global partnerships and cultural exchange. It facilitates inbound and outbound internships, student exchange programs, and collaborations with international universities. Through strategic networking and academic cooperation, the office ensures enriching experiences for global learners, providing them with exposure to India's diverse educational and industrial landscape.



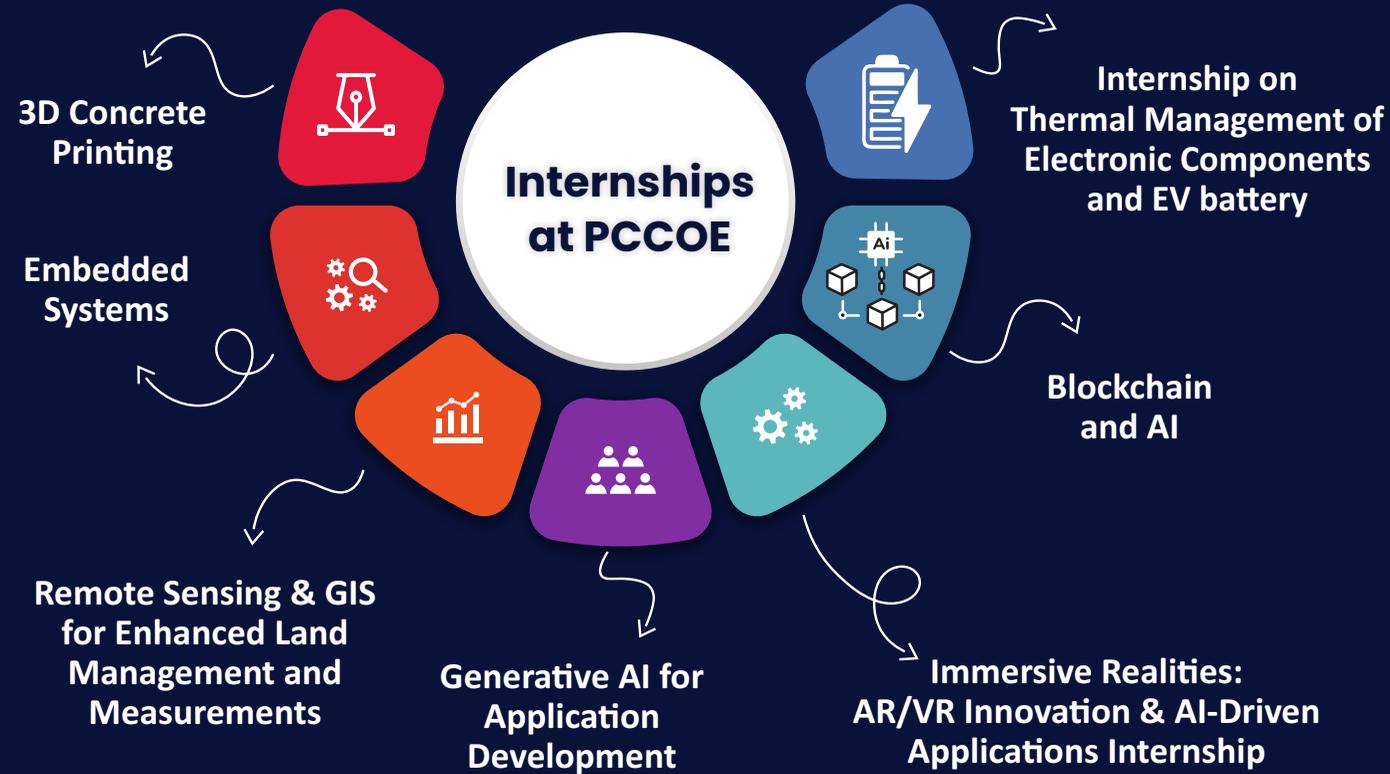


Internship Highlights & Activities

- Classroom learning with expert faculty on diverse academic subjects.
- Laboratory and experiential learning with hands-on training in advanced research facilities.
- Industrial visits to leading companies, startups, and R&D centers.
- Industrial and academic networking sessions with professionals, faculty, and students.
- Capstone projects addressing real-world industry and societal challenges.
- Research activities under faculty mentorship with opportunities for innovation and publication.
- Soft skills and leadership development through interactive workshops and training.
- Cultural and heritage immersion, including yoga, meditation, and Indian festivals.
- Entrepreneurship and startup exposure with insights into India's innovation ecosystem.
- Certification of completion, enhancing global career opportunities.

INTERNSHIPS

3D Printing, GIS, AI, AR/VR & Embedded Systems, EV battery, Blockchain



1. 3D Concrete Printing (4 to 16 weeks)

- ◆ 3D Printing (Additive Manufacturing)
- ◆ CAD for 3D Manufacturing
- ◆ Material Properties
- ◆ Material Testing & Behaviour

2. Remote Sensing and GIS for Enhanced Land Management and Measurements (4 to 16 weeks)

- ◆ Introduction to Remote Sensing & GIS
- ◆ Electromagnetic Spectrum & Image Acquisition
- ◆ Open Source & Government Data Portals
- ◆ Georeferencing & Coordinate Systems
- ◆ Digital Image Processing Basics
- ◆ Land Use Land Cover (LULC) Mapping
- ◆ GIS Data Models & Spatial Databases
- ◆ Digital Elevation Models (DEM) & Contouring
- ◆ Land Parcel Mapping & Property Boundaries
- ◆ UAV (Drone) Remote Sensing for Land Management





3. Generative AI for Application Development

..... (4 to 16 weeks)

- ◆ Emotion-Driven Playlist Generator
- ◆ AI-Generated Music Composition with Transformer Models
- ◆ Sentiment analysis using AL-ML
- ◆ AI enhanced Comic Book Creator
- ◆ AI driven Content Based Movie Recommendations

4. Immersive Realities: AR/VR Innovation and AI-Driven Applications Internship

..... (4 to 16 weeks)

- ◆ AR/VR Development
- ◆ Hardware Integration
- ◆ AI & AR/VR
- ◆ Industry Applications



5. Embedded Systems (4 to 16 weeks)

- ◆ Introduction to Embedded Systems
- ◆ Embedded Linux
- ◆ Microcontroller Programming
- ◆ Capstone Project
- ◆ Real-Time Operating Systems
- ◆ Communication Protocols
- ◆ IoT and Cloud Integration
- ◆ Advanced Topics & Emerging Technologies

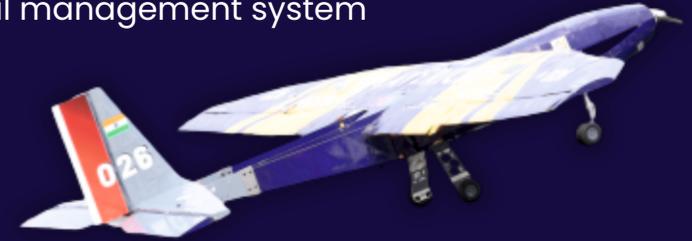
6. Blockchain and AI (4 to 16 weeks)

- ◆ Foundations of AI & Blockchain
- ◆ Hands-on AI & Blockchain Development
- ◆ AI-Blockchain Integration & Industry Use
- ◆ Cases Industry-Driven Project & Evaluation

7. Internship on Thermal Management of Electronic Components and EV battery

(4 to 16 weeks)

- ◆ Enhancing Electronic Cooling Efficiency: Experimental Investigation of Vapour Chambers and Advanced Fin Designs.
- ◆ Experimental Study on EV Lithium-Ion Batteries Using Vapor Chambers and Fin Technology.
- ◆ Development of thermoelectric and PCM cooling-based hybrid battery thermal management system
- ◆ Numerical simulation of battery thermal management system



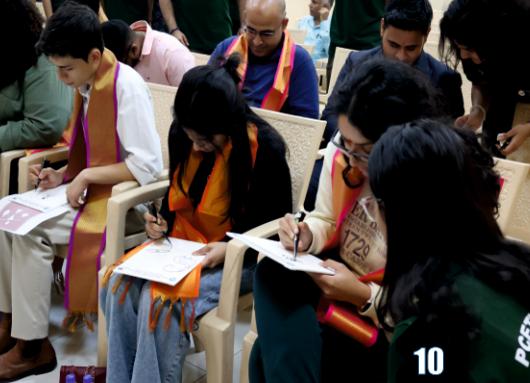


Sojourn at PCCOE





Sojourn at PCCOE



Essence of India: A Transformative Internship

A Cultural Immersion Program

2
WEEKS



India is a land where ancient traditions blend seamlessly with modern innovation. As one of the world's most culturally diverse nations, India offers an unparalleled opportunity to explore its rich heritage, spiritual depth, vibrant arts, and dynamic way of life. This immersive program invites you to experience the essence of India, from its timeless wisdom to its thriving contemporary culture. Join us on this journey of learning, growth, and cultural exchange as you discover the heart of India.

This Internship Program provides a holistic experience that introduces participants to India's rich cultural tapestry while allowing them to engage in meaningful activities and gain firsthand experience in traditional practices.



A Cultural Immersion Program : 2 WEEK

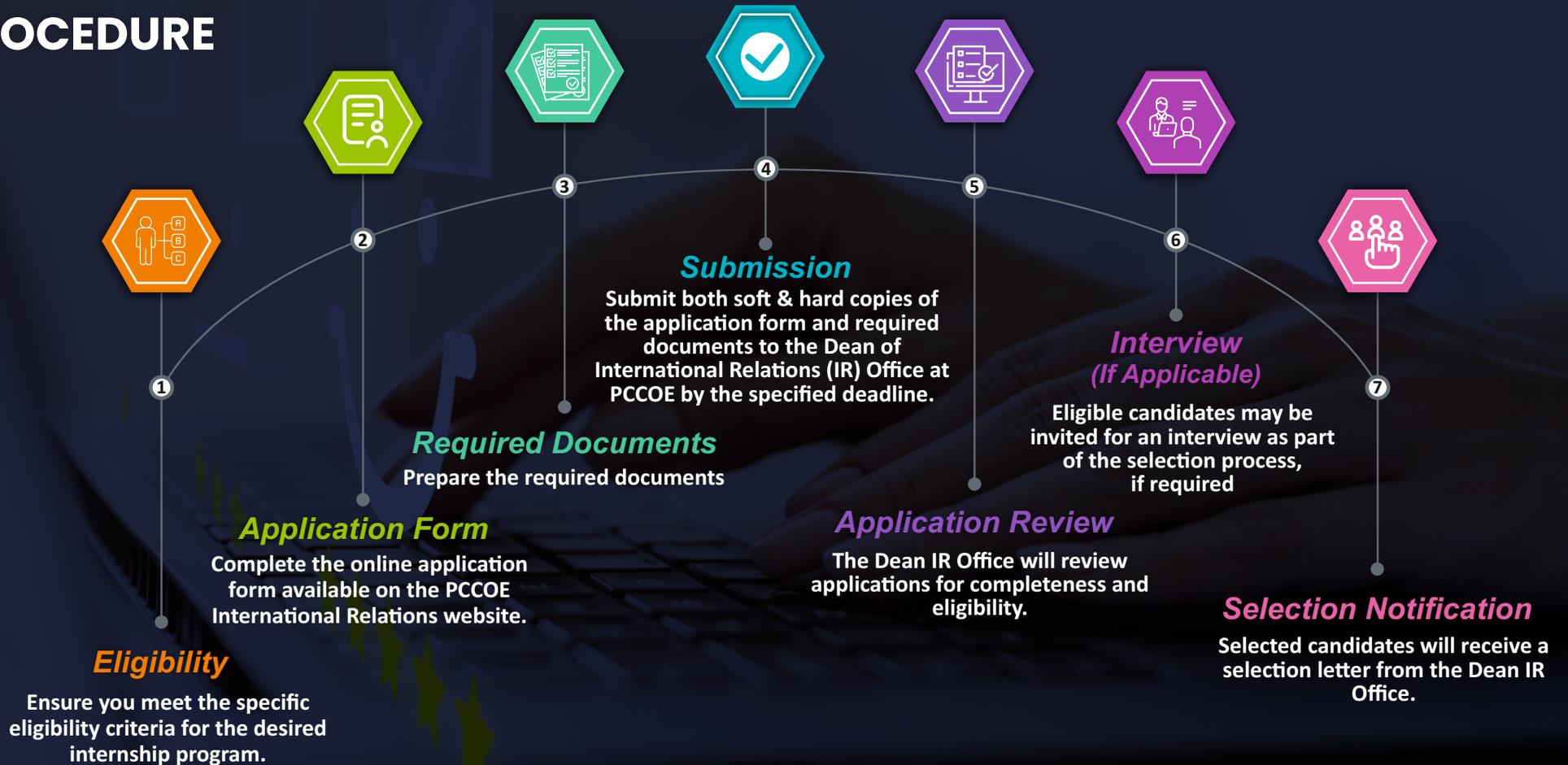
Week 1: Tentative Schedule

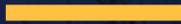
- DAY 01** Orientation and Overview
- DAY 02** Indian Spirituality and Philosophy
- DAY 03** Yoga and Wellness Practices
- DAY 04** Environmental Practices and Sustainability
- DAY 05** Indian Cuisine & Cooking
- DAY 06** Understanding Indian Festivals and Traditions

Week 2: Tentative Schedule

- DAY 01** Traditional Indian Medicine and Healing Practices
- DAY 02** Indian Literature and Storytelling
- DAY 03** Indian Society and Diversity
- DAY 04** Craft and Textile Traditions
- DAY 05** Final Day Cultural Showcase and Reflection
- DAY 06** Departure and Closing Ceremony

APPLICATION PROCEDURE







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Visit us @ PCET's PCCOE

INTERNATIONAL RELATIONS



SCANME!

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