



Centre for Continuing Education (CCE) **JULY TO DECEMBER 2025**



CCE Office
Block- E, Ground Floor
Convention Centre Building
IIT HYDERABAD

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Preface

The Centre for Continuing Education (CCE) at IIT Hyderabad is happy to bring out the monthly newsletter for the month of July to December 2025. The newsletter showcases the educational and professional development programs conducted throughout this six months. CCE offers a diverse range of courses, including certificate programs and workshops, tailored for students, academicians, and working professionals. The newsletter serves as a vital communication tool, providing updates on upcoming events such as conferences, specialized workshops, and teaching development programs. Additionally, the newsletter acts as a platform for promoting skill development and capacity building, reflecting CCE's commitment to fostering continuous learning and professional growth.




Events at CCE


National Workshops, Symposiums and Conferences

- Summer Training Workshop on Characterization Techniques for Cementitious Materials Organized by Prof. Subramaniam Kolluru V.L, Department of Civil, IIT Hyderabad.
 9 Jul - 10 Jul 2025
- Workshop on Biophysical Characterization of Proteins Organized by Prof. Rathinavelan Thenmalarchelvi, Department of Bio Technology, IIT Hyderabad.
 10 Jul - 13 Jul 2025
- Research Opportunities in Computer Architecture Organized by Dr. Shirshendu Das & Dr. Rajesh Kedia, Department of Computer Science & Engineering, IIT Hyderabad.
 11 Jul - 15 Jul 2025
- Communication Skills in Oncology Organized by Prof. Mahati Chittem, Department of Liberal Arts, IIT Hyderabad.
 12 Jul - 13 Jul 2025
- Machine Learning for Engineers Organized by Dr. Biswarup Bhattacharyya, Department of Civil Engineering, IIT Hyderabad.
 17 Jul - 18 Jul 2025
- IEEE-PELS PhD Summer School 2025 on "Designing Reliable Control Circuits for Power Converters Organized by Dr. Rupesh Ganpatrao Wandhare, Department of Electrical Engineering, IIT Hyderabad.
 19 Jul - 23 Jul 2025
- Advance Traffic Safety Using ADAS (Advanced Driver Assistance Systems) & DMS (Driver Monitoring Systems) Organized by Dr. Digvijay S. Pawar, Department of Civil Engineering, IIT Hyderabad.
 25 Jul 2025
- Fundamentals of Learn Startup Approach rganized by Dr. Jayshree Patnaik, Dr. Lohithaksha Maniraj Maiyar & Dr. Nakul Parameswar, Department of Entrepreneurship and Mangment, IIT Hyderabad.
 26 Jul 2025
- National Symposium on Porous Media Research & First Meeting of the India Interpore chapter Organized by Dr. Seetha N, Department of Civil Engineering, IIT Hyderabad.
 2 Aug 2025
- Hyderabad Soft-matter Day Organized by : Dr. Anupam Gupta, Prof. Surajit Dhara (UoH), Department of Physics, IIT Hyderabad.
 23 Aug 2025


- Annual Symposium on Advances in Materials Characterization Organized by Dr. Sai Rama Krishna Malladi, Department of Materials Science and Metallurgical Engineering(MSME), IIT Hyderabad.

 8 Sep - 9 Sep 2025

- AI on ARM/Embedded Platforms Organized by Dr. Rajesh kedia & Dr. Shirshendu Das, Department of Computer Science & Engineering, IIT Hyderabad.

 19 Sep - 20 Sep 2025

- First ITS India Congress 2025 Organized by Dr. Digvijay S. Pawar, Department of Civil Engineering, IIT Hyderabad.


 6 Nov - 7 Nov 2025

- Research Writing in Health Psychology Workshop Organized by :Prof. Mahati Chittem, Department of Liberal Arts, IIT Hyderabad.


 7 Nov - 8 Nov & 22 Nov 2025

International Workshops, Symposiums and Conferences


- 1st International Conference & Exhibition on Advanced materials and structures 2025 Organized by Dr. Prabhat Kumar & Dr. Safvan Palathingal, Department of Mechanical and Aerospace Engineering, IIT Hyderabad & ISAMPE Hyderabad Chapter.

 2 Jul - 5 Jul 2025


- Phoenix 2025 Organized by Dr. Priyotosh Bandyopadhyay and Dr. Saranya Ghosh, Department of Physics, IIT Hyderabad.

 9 Jul - 11 Jul 2025


- International Conference on Chemistry for Sustainability (ICCS 2025) Organized by Prof. Ch. Subrahmanyam, Department of Chemistry, IIT Hyderabad.

 13 Jul - 16 Jul 2025


- Ritsumeikan University-IIT Hyderabad Symposium-2025 (RUIITHS-2025) Organized by Prof. Prabusankar G, Department of Chemistry, IIT Hyderabad.

 29 Aug - 30 Aug 2025


- 2nd Indo-French Workshop on Light-Matter Interaction Organized by Dr. Vandana Sharma, Department of Physics, IIT Hyderabad.

 1 Sep - 3 Sep 2025

- Pattern formation in complex physical and biological systems Organized by : Dr. Anupam Gupta ,Dr. Suhail Rizvi Mohd, Department of Physics & Department of Biomedical Engineering, IIT Hyderabad.

 8 Sep - 9 Sep 2025

- Service Design and Innovation Conference in India Organized by Dr. Prasad S Onkar, Department of Design, IIT Hyderabad.

 6 Oct - 8 Oct 2025

- Theme Meeting Ultrafast Sciences-2025 Organized by Prof. Raavi sai santosh kumar, Department of Physics, IIT Hyderabad.



13 Nov - 15 Nov 2025

- ChemSpirit 2025: Current and Future Trends in Chemical Synthesis 2025 Organized by Dr. Abhijit Sau, Dr. Anup Bhunia, Dr. Kishore Natte, Department of Chemistry, IIT Hyderabad.



17 Nov - 19 Nov 2025

- International and National Conference on Machines and Mechanisms Organized by Dr. Prabhat Kumar & Dr. Safvan Palathingal, Department of Mechanical and Aerospace Engineering, IIT Hyderabad.



7 Dec - 10 Dec 2025

- 11th International Conference on Power Systems 2025 Organized by Prof. Ravikumar Bhimasingu, Department of Electrical Engineering, IIT Hyderabad.



7 Dec - 9 Dec 2025

- Workshop on High Energy Physics Phenomenology 2025 Organized by Prof. Anjan Kumar Giri, Department of Physics, IIT Hyderabad.



14 Dec - 20 Dec 2025

Completed Programs @CCE

- A Four week Masterclass in Impact Evaluation Organized by Prof. Mahati Chittem, Dr. Gaurav Dhamija, Department of Liberal Arts, IIT Hyderabad.



9 Jun - 6 Jul 2025

- IITH-MARVELL AI/ML Networking and Infrastructure Workshop-2025 Organized by Dr. Praveen Tammana, Department of Computer Science Engineering, IIT Hyderabad.



1 Jul - 27 Aug 2025

- AI Foundation for all Organized by Prof. Ashudeb Dutta, Department of Electrical Engineering, IIT Hyderabad.



6 Jul - 24 Aug 2025

- Gender in Theory and Practice Organized by Dr. Shuhita Bhattacharjee, Dr. Anandita Pan, Dr. Gaurav Dhamija, Department of Liberal Arts, IIT Hyderabad.



1 Aug - 30 Nov 2025

- Bio AI Omics Workshop, Foundations & Practice Organized by Dr. Rahul Kumar, Dr. Abhishek Subramanian, Department of BioTechnology, IIT Hyderabad.



8 Nov - 30 Nov 2025

- Living with Type 1 Diabetes Seminar Organized by Prof. Mahati Chittem, Department of Liberal Arts, IIT Hyderabad.



15 Nov 2025

New Courses

- The **Visual Design & UX program** by **IIT Hyderabad** is a 6-month Advanced Certificate in Visual Design and User Experience offered by the Department of Design at **IIT Hyderabad** in partnership with **TalentSprint**. It's aimed at professionals such as designers, researchers, animators, and UI/UX practitioners who want to build skills in user-centric digital design.
- The **AIET** Certificate refers to the **Artificial Intelligence and Emerging Technologies (AI & ET)** Professional Certificate Program offered by **IIT Hyderabad (IITH)** in collaboration with its industry partner **TalentSprint**. Designed for professionals and aspiring technologists, the program focuses on building practical, industry-relevant expertise in AI and emerging technologies through rigorous academic instruction, hands-on learning, and mentorship aligned with real-world applications.
- **VLSI chip design** skills with certification programme by **IIT Hyderabad** and **TCS iON**, crafted specifically for graduates and professionals aspiring to lead in the semiconductor industry. Designed and delivered by IIT professors and domain experts, the course offers a deep dive into digital and analog chip design, from designing and simulating digital circuits to working on analog blocks like current mirrors and operational amplifiers.
- The **CyberAI – Advanced Executive Program** in Cybersecurity and AI, a professional certificate course associated with **Mindgraph Technologies** and **IIT Hyderabad**. The program is designed mainly for working professionals and focuses on combining AI techniques with cybersecurity applications such as threat detection, intrusion analysis, and secure systems. It is delivered primarily online. It is as a career-oriented upskilling program rather than a traditional academic degree.
- The **Advaya Srestha** – In Collaboration with **IIT-Hyderabad**, offers world-class training programs that combine academic excellence with hands-on, practical learning. Through this partnership, students and professionals gain access to industry-relevant curricula, expert faculty, and real-world applications designed to build in-demand skills and career readiness.

OAT Courses

India needs skilled manpower to fuel its growth. Industry growth often suffers from the availability of quality manpower. Therefore, reskilling and upskilling of working professionals in new age technologies is critical for the success of the India's growth story. In addition, many faculty and students in various colleges in India are looking for upgrading their knowledge in various subject areas. In this context, IIT Hyderabad would like to extend its excellent technical education beyond the four walls of its classroom in select courses. These courses will be offered in online mode (Live Streaming) wherein working professionals, faculty members and students from various colleges, can attend the courses remotely through online mode.

We encourage readers to review the full details at the link below:
<https://cce.iith.ac.in/Open-to-All-Teaching/>

List of (OAT) Courses @ IITH - JUL - NOV 2025

- Algebra I - Groups and Rings by Dr. Mrinmoy Datta
- Communication Skills by Dr. Srirupa Chatterjee
- Concepts and Hands-on Astrophysics by Dr. Mayukh Pahari
- Distributed Computing by Dr. Sathya Peri
- Electrochemical Energy Conversion by Dr. Narendra Kurra
- Entrepreneurial Marketing by Dr. Rajesh Ittamalla
- Fundamentals Of Scientific Computing by Dr. Saswata Bhattacharya

List of (OAT) Courses @ IITH - JAN- JUN 2026

- Machine Learning and Scientific Computing for Civil Engineers by Dr. Biswarup Bhattacharyya
- Stem Cell Biology and Regenerative Medicine by Dr. Ashish Misra
- Parallel & Concurrent Programming by Prof. Sathya Peri
- Accelerator Physics and Teletherapy Machines by Dr. Kirit Makwana
- Introduction to Entrepreneurship by Dr. Jayshree Patnaik

Call for proposals for OAT Courses from JUL - DEC 2026

Proposals are invited from faculty members for offering courses under the Open-to-All Teaching (OAT) mode. These courses aim to extend high-quality learning opportunities to a wider audience beyond the campus. Interested faculty are requested to submit their Expression of Interest (EOI) through the Google Form provided below. The details submitted will be used to plan and schedule the proposed courses. Faculty are encouraged to participate actively in this initiative.

<https://forms.gle/d7uVEH3EeqbYpw6c7>

GIAN Courses

- Coherent Structures in Complex Physical and Biological Systems by Prof. Anupam Gupta from 1st to 5th September 2025
- Fundamentals of Additive Manufacturing (3D Printing) with Concrete by Prof. Kolluru V. L. Subramaniam from 2nd to 6th December 2025
- GFRP bar reinforced concrete construction: Theory, analysis and design by Prof. Kolluru V.L. Subramaniam from 4th to 14th August 2025
- Spectral Graph Theory by Prof. Rajesh Kannan M from 27th to 31st October 2025
- Introduction to the Physics of Proton Therapy by Prof. Anjan Giri 17th to 21st September 2025
- What, Why and How: Critical Minerals by Prof. Narasimha Mangadoddy from 11th to 22nd August 2025
- Analysis and Design of Precast Building Systems by Prof. Suriya Prakash from 15th to 25th December 2025

NPTEL COURSES IN JUL-DEC 2025

Advanced Prestressed Concrete Design

It is an intensive course covering material aspects of prestressed concrete, specifications, analysis, and design of prestressed reinforced concrete (PSC) components using the limit state method.

Nation and Narration

The concepts of nation and nationalism originated in Europe during the seventeenth century, mainly due to the decline of religious communities, the end of dynastic rule, and the rise of print capitalism.

UPCOMING NPTEL COURSES

- Theory of Plasticity for Engineers: Concepts and Applications by Prof. Amirtham Rajagopal, Department of Civil Engineering, IIT Hyderabad
- Memory Device Technology for AI/ML Computing by Assistant Prof. Shubhadeep Bhattacharjee, Department of Electrical Engineering, IIT Hyderabad
- Transmission Electron Microscopy: Theory of Imaging to Advanced Applications by Assistant Prof. Sai Rama Krishna Malladi, Department of Materials Science and Metallurgical Engineering, IIT Hyderabad
- Predictive Modelling with Applications: Supervised and Unsupervised Learning by Assistant Prof. Sayantee Jana, Department of Mathematics, IIT Hyderabad
- Introduction to Cardiovascular Mechanics by Prof. Anand Mohan, Department of Chemical Engineering, IIT Hyderabad.
- Migration , Mobility and Development by Prof. Amrita Datta, Department of liberal Arts, IIT Hyderabad
- Polymeric Biomaterials: Structure, Properties, Function and Performance by Dr. Satyavrata Samavedi, Department of Chemical Engineering, IIT Hyderabad
- Basics of Climate Modeling by Dr. Asif Qureshi, Department of Chemical Engineering, IIT Hyderabad
- IC Design for wireless Systems by Dr. Abhishek Kumar, Department of Electrical Engineering, IIT Hyderabad
- We encourage readers to review the full details at the link below:

<https://nptel.ac.in/>

Past NPTEL Courses offered

- Advanced Fluorescence Microscopy and Image Processing by Dr. Gunjan Mehta, Department of BioTechnology, IIT Hyderabad
- Stability aspects of structural steel design: Concepts and applications by Prof. Mahendrakumar Madhavan, Department of Civil Engineering, IIT Hyderabad
- Introduction to Graphic Design by Dr. Shahid Mohammad and Dr. Saurav Khuttiya Deori, Department of Design, IIT Hyderabad
- Diffusion in Solids by Dr. Mayur Vaidya, Department of Materials Science and Metallurgical Engineering, IIT Hyderabad



Collaborations with CCE

CCE successfully collaborated with third-party partners in the last quarter and looks forward to launching many more collaborative initiatives in the upcoming quarter.



Sai Ganga Panakeia Limited



TalentSprint Private Limited



Hexagon Capability Center India Private Limited



Mindgraph Technologies Private Limited



Winzard Solutions Private Limited

NVS Training Programme

The Navodaya Vidyalaya Samiti (NVS) successfully organized a one-week intensive on-campus teacher training program in two batches. **Batch-1** was conducted from **27th to 31st October**, and **Batch-2** from **5th to 9th January**, bringing together over 100 teachers from different states across the country.

The program was designed to enhance professional competencies, promote innovative teaching methodologies, and strengthen subject knowledge through advanced technological integration and hands-on learning experiences.

Objectives of the Training Program

The primary objectives of the training program were:

- To upgrade teachers' pedagogical skills in line with modern educational practices
- To provide exposure to high-end educational equipment and digital tools
- To promote experiential and activity-based learning
- To encourage collaboration and exchange of best practices among teachers from diverse regions
- To align classroom teaching with national education goals and learner-centric approaches

Infrastructure and Facilities

- Smart classrooms equipped with interactive panels
- Advanced science and computer laboratories
- High-end educational and instructional equipment
- These facilities enabled participants to gain practical exposure and real-time experience with modern teaching aids.

Training Methodology

- Live demonstrations using modern equipment
- Subject-specific practical workshops
- Technology-integrated teaching simulations
- Problem-solving and collaborative tasks
- Peer learning and reflective teaching practices
- Expert-Led Sessions and Seminars
- Detailed hands-on seminars were conducted by experienced resource persons, subject experts, and master trainers.

Outcomes and Impact

- Enhanced confidence and competence among teachers
- Improved familiarity with modern teaching technologies
- Adoption of innovative, student-centric teaching methods
- Participants expressed high levels of satisfaction and acknowledged the program's relevance and practical usefulness in classroom implementation.

Call for proposals for Certificate Courses

We are thrilled to invite you to submit proposals for new certificate courses that will enrich our academic offerings and professionals with valuable skills. This is a fantastic opportunity to align your ideas with industry trends, address emerging skills and deepen knowledge in specialized areas.

Guidelines for proposals

- **Course Objective:** Clearly define the purpose of the course and the skills acquired by the students
- **Target Audience:** Indicate whether the course is designed for undergraduates, graduates and industry professionals.
- **Duration & Format:** Provide details on the proposed duration, frequency of session and preferred delivery method(online, in-person or hybrid)
- **Course Content & Learning Outcomes:** Outline the key topics to be covered, expected learning outcomes and assessment methods.

Each proposal will undergo through review process and selected courses will be connected with relevant industries and ed-tech companies that may be interested in collaboration.

Refer to this document

https://cce.iith.ac.in/files/Certificate_courses_Registration_form_sep_2025.docx

UPCOMING EVENTS JAN - FEB 2026

- Navodaya Teachers' training program organized by Centre for Continuing Education from January 5th to 9th, 2026.
- Innovation day & Inter IIT UG Innovation meet on 3rd January 2026
Organized by IIT Hyderabad.
- ILH - IITH Bioengineering Centre of Excellence held on 7th January 2026
- Elan & nVision set to take place from January 9th to 11th, 2026, with its electrifying theme "The Last Ronin", blending innovation, creativity, and celebration into three unforgettable days on campus
- UKRI-Kingston University - IITH Event from January 8th to 9th, 2026.
- Indo-Japan Conference: A workshop on single-molecule fluorescence imaging scheduled for January 19th to 23rd, 2026.
- Symposium on Magnetism and Spintronics (SMS-3): Hosted from January 21st to 24th, 2026, this major international conference expects over 300 researchers to discuss futuristic materials.
- International Congress on Embryo Culture: A specialized scientific congress taking place from January 24th to 26th, 2026.
- A One-day Welding Research Scholars Symposium on January 23rd 2026.
- Thematic Workshop on Healthcare/Advanced Material from January 29th to 31st 2025.
- Technical Symposium from February 12th to 13th 2026.
- MSME Tech Connect - Event and Exhibition from February 19th to 21st 2026
- ANRF meeting from February 19th to 20th 2026.
- Research Symposium from February 19th to 20th 2026.

Gallery of Events



1st ICEAMS held from 2 - 5 jul, 2025



National Symposium on Porous Media Research and First Meeting of the India Interpore chapter held on 2 Aug 2025



RUIITHS held from 29 - 30 Aug, 2025



Annual Symposium on Advances in Materials Characterization held from 8 - 9 Sep, 2025



Navodaya Teacher's training program held from 27 - 31 Oct, 2025



First ITS India Congress held from 6 - 7 Nov 2025



Basic Drone and UAV Course Organized by TIHAN, IIT Hyderabad held from 24 - 28 Nov, 2025



11th International Conference on Power Systems held from 7 - 9 Dec, 2025



International and National Conference on Machines and Mechanisms held from 7-10 Dec 2025

Join Us Today!
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For more information and to enroll,
visit CCE Page: <https://cce.iith.ac.in/index.html>



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