



RV College of  
Engineering®



**RV College of Engineering  
CEDLR & SPARK  
In collaboration with  
Indo Universal Collaboration for Engineering Education is hosting  
EduAlthon 2025  
“BREAKING BARRIERS - SIMPLIFYING COMPLEX ENGINEERING CONCEPTS!”  
May 16-18, 2025**

### **About RV College of Engineering, Bengaluru**

RV College of Engineering (RVCE), established in 1963, is one of India's pioneering self-financing engineering colleges, managed by the Rashtreeya Sikshana Samithi Trust. An autonomous institution affiliated with Visvesvaraya Technological University (VTU), RVCE offers 15 undergraduate and 14 postgraduate programs. With a vision focused on leadership in quality education, interdisciplinary research, and innovation, RVCE has achieved significant recognition, including NAAC 'A+' accreditation and top rankings such as 99th in NIRF 2024 and 10th in IIRF 2023.

RVCE has made substantial contributions to research, with over 1500 journal publications, 72 filed patents, and 65 published patents. The college has 28 Center of Excellence and Center of Competence in niche areas of science and technology. RVCE has completed many sponsored research and consultancy projects. Many programs have been accredited by NBA. RVCE's students consistently excel, winning numerous awards in national and international competitions.



## About IUCEE

"I am teaching, but are they learning?" This question has driven Dr. Krishna Vedula's mission to transform Engineering Education in India through the Indo- Universal Collaboration for Engineering Education (IUCEE).

A 1967 IIT Bombay graduate, Dr. Vedula spent decades teaching in the U.S. before returning to India in 2008. He identified a critical gap between teaching and learning, leading to IUCEE's creation. His vision goes beyond traditional classrooms, promoting holistic, learner-centric engineering education. IUCEE continues to empower educators and institutions, shaping India's technical education landscape.

What is EduAlthon?

EduAlthon is a unique 48 hour hackathon that brings together students to revolutionize engineering education. Participants collaborate to develop interactive prototypes that enables to teach complex engineering topics using advanced technologies like AI, AR/VR, fostering an innovative, student-centered learning approach that enhances understanding and engagement.

## Objectives

- Foster innovation in Engineering Education through AI, AR/VR.
- Develop scalable, open-source educational tools and simulations.
- Provide mentorship and funding opportunities for promising ideas.
- Encourage interdisciplinary collaboration among students, faculty, and industry experts.

## Focus Areas: not limited to

- Immersive learning technologies using AR/VR, 3D modelling & simulations or gamification.
- Interactive educational tools using teal time collaborative tools, interactive problem-solving platforms, AI powered tutoring.
- Data driven learning analytics like learning progress dashboards, Adaptive learning pathways.
- Hands on Virtual labs and prototyping.
- Opensource learning resources like collaborative resource development, community-based learning platforms.

## Expected Outcomes

- Enhanced Learning Outcomes: Improved academic achievement and better retention of knowledge.
- Increased Efficiency: Streamlined teaching-learning processes, reducing administrative burdens and improving resource allocation.

## **Expected Deliverables:**

- Prototype Development: Development of prototypes /modules for the proposed innovative teaching-learning methods, including digital tools, educational games, or interactive simulations.
- Evaluation Framework: A framework for evaluating the effectiveness of the proposed methods, including metrics for measuring student engagement, learning outcomes, and teacher satisfaction.
- Sustainability Plan: A plan outlining strategy for sustaining the proposed methods over time, including plans for ongoing professional development, technical support, and resource allocation.

**Prize Pool: INR 1,00,000/- [Best teams]**

**Winning teams will receive:**

**Cash prizes & certificates of achievement.**

**Exclusive mentorship & networking opportunities with experts.**

**Publication and patent opportunities.**

**Submission of potential projects to QS Reimagine Education Awards 2025**

## **Networking opportunities:**

Collaborate with Industry experts from -MAP Systems, Indxo\_AI, QuikIrn

Deadline For Registration: 20th April 2025

Pre-EduAlthon (Preparation Phase) – April 25-26, 2025 is mandatory for the registered teams. Online Orientation on Design Thinking, AI, AR/VR, development platforms, and open-source tools will be conducted during this phase.

## **REGISTRATION**



Link: <https://forms.gle/ZUpwzrZggM49APPc8>

Payment link inside form

Fill out the registration form with all the necessary information.

Who can participate?

The students from Engineering colleges of various disciplines.

REGISTRATION FEE:

INR 3,000/- + 18% GST (Rs. 3,720/-) per group of 3 to 4 members

## **Convenor**

Dr. K N Subramanya, Principal, RVCE

Dr. Krishna Vedula, Founder & Executive Director, IUCEE

Dr. Raviprakash Salagame, Board Member and Director, IUCEE

## **Program Coordinators**

Dr. K S Geetha, Vice Principal, RVCE

Dr. Shanmukha Nagaraj, Member Secretary IQAC, RVCE

Dr. Uma B V, Professor, Faculty coordinator CEDLR, RVCE

Dr. Prapulla S B, Associate Professor, Dept. of CSE, RVCE

## **Committee Members**

Dr. Prapulla S B, Associate Professor, Dept. of CSE, RVCE

Dr. Swarna M Patra, Associate Professor, Dept. of Chemistry, RVCE

Dr. Ramaa A, Associate Professor, Dept. of IEM, RVCE

IUCEE Honorary members of India, South West Region

IIECP Certified faculty, RVCE

## **How to Reach:**

- Directions to RV College of Engineering in Mysore Road station (Bengaluru) with public transit. The following transit lines have routes that pass near RV College of Engineering in Mysore Road,
- Bus: 220-D, 224-D, 227-NA, 231-E, 231-M.
- Metro: PURPLE Line, Pattanagere station.
- Address:
- R V College of Engineering R V Vidyanikethan,
- Post Mysuru Road Bengaluru - 560 059.

## **Contact details:**

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3. Prajwal Jathanna - +91 8867637972

**Join us in revolutionizing Engineering Education!!!**

**Join EduAlthon to be a Changemaker!!!**

**For more details, visit [www.rvce.edu.in/iucee.org]**



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