



# 2022 NATIONAL HYBRID CONFERENCE

## RV COLLEGE OF ENGINEERING®

(AUTONOMOUS under VTU)

(Accredited by AICTE, New Delhi, Accredited by NBA)  
Bengaluru, Karnataka, India.



### DEPARTMENT OF CIVIL ENGINEERING

In Association with

**ASCE STUDENT CHAPTER and INDIAN CONCRETE INSTITUTE**

Cordially invites you all to the Prestigious

### NATIONAL CONFERENCE ON SUSTAINABLE TECHNOLOGIES IN CIVIL ENGINEERING

**28<sup>th</sup> – 30<sup>th</sup> July 2022**

With speakers from



## ABOUT THE COLLEGE

Established in 1963 with three engineering branches namely Civil, Mechanical and Electrical, today RVCE offers 12 Under Graduate Engineering programmes, 16 Master Degree programmes and Doctoral Studies. Sprawling campus spread over an area of 16.85 acres set in sylvan surroundings. Provides an ideal ambience to stimulate the teaching-learning process, helping in bringing out skilled and disciplined Engineers. Rated one amongst

the top ten self-financing Engineering Institutions in the country. Current annual student intake for Undergraduate Programmes & Post Graduate Programmes in Engineering is in excess of 1200. Highly qualified and dedicated faculty. Utilizes its expertise in various disciplines to conduct Research and Development for Industry and Defence establishments in the country.



## ABOUT THE DEPARTMENT

The Department of Civil Engineering was established in the year 1963 with the UG program (B.E.in Civil Engineering) and is one of the oldest branches of RVCE. The department has been imparting quality education to meet the technological advancement and industrial requirements. The present intake for the undergraduate program is 120 and is affiliated to Visvesvaraya Technological University (VTU) Belagavi with an Autonomous status.



The department started two PG programs under VTU in Structural Engineering and Highway Technology in the year 2006 and 2009 respectively with a total intake of 36 students. The department is also involved in research and development and is a recognized research centre under VTU. B.E in Civil Engineering program is accredited by NBA. PG Highway technology and PG Structural Engineering programmes have also been accredited by NBA.

The Department is involved in R&D work, offers consultancy services and conduct training programmes for industry and government organizations. Students are encouraged to participate in extra-curricular and co-curricular activities. Industry Institute interaction is nurtured by organizing and coordinating frequent industrial visits, Expert Lectures, Seminars. Reputed companies like L&T ECC, Shapoorji Pallonji, Brigade Group, Atkins, Total Environment, Tata Consulting engineers, Cognizant Technologies, Accenture recruit students of the department.

## **ABOUT THE CONFERENCE**

The objective of this conference to provide a platform for academicians and researchers to exchange and share their knowledge, experiences and research results on all aspects of Civil Engineering applications. It also provides a premier interdisciplinary platform for researchers, practitioners and educators to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions. Prospective authors are kindly encouraged to contribute to and help shape the conference through submissions of their research abstracts, papers and e-posters. Also, high quality research contributions describing original and unpublished results of conceptual, constructive, empirical, experimental, or theoretical work in all areas of Civil Engineering are cordially invited for presentation at the conference. The conference solicits contributions of abstracts, papers and e-posters that address themes and topics of the conference, including figures, tables and references of novel research materials.

## CALL FOR PAPERS

The conference will be covering the following Civil Engineering core areas, but not limited to,

- Sustainable Construction Technologies
- Structural Construction
- Pavement Construction applications
- Advancements in Civil Engineering
- Structural Engineering Concrete
- Materials Transportation Engineering
- Pavement Materials and Engineering
- Geotechnical Engineering Environmental Engineering
- Remote sensing and Geoinformatics
- Geo-environmental Engineering Water resource Engineering Pavement Geotechnics
- Intelligent Transportation Systems
- Ground Water Hydrology
- Construction Engineering and Management Earthquake Engineering
- Earthquake Geotechnics
- Seismic Evaluation and Retrofitting Of Structures
- Air Quality Modeling and Management Coastal, Ocean and River Engineering Structural Health Monitoring
- Water resource applications using Remote sensing and GIS
- Microwave remote sensing applications
- Numerical Techniques, Modelling and Simulation
- Smart control for eco-friendly machines
- Theoretical aspect of Industrial energy, power, and temperature
- Green infrastructure and manufacturing
- Engineered innovative product/process designs for sustainability
- Concrete Structures
- Geological and Geo-technical Engineering
- Hydraulic Engineering
- Industrial Engineering and Planning
- Intelligent mechatronics, robotics, biomimetics, automation, and control systems
- Structural Analysis and Design
- Agricultural Robot and Bio-inspired and Swarm Robotics
- Material Quality and Control
- Materials and Material Processing
- Mechatronic Systems and Applications
- Metallic Structure
- Reconfigurable robotic systems and design
- Machining, nonconventional machining and materials processing
- Design for sustainability and reconfigurable manufacturing systems
- Hydromechanics, aerodynamics and thermodynamics
- Product functionality, serviceability, maintainability, upgradability
- Materials Science and Metallurgy
- Advanced materials in waste and pollution management
- Engineering and Structural Materials
- Biomaterials, Materials for Optics and Textile Composites
- Bridge Engineering
- Building Structure and Bridge Engineering
- Coastal Engineering
- Collaborative and Socially Intelligent Robots
- Computational Mechanics

## Registration Fee

PRESENTATION CATEGORY	COST ₹ (INR)		
	Students	Academicians/ Researchers	Industry
Conference Registration + Presentation (Extended abstract submission only. Full length paper submission is not required.)	1000	1500	2000
Poster Presentation (Poster submission only. Full length paper submission is not required.)	1500	2000	3000
Conference Registration + Publication in RVJSTEAM Journal	1500	2000	3000
Conference Registration + Publication in i-manager Journal	2000	3000	4000
Conference Registration + Publication in Undergraduate Academic Research Journal (UARJ)	3000	4000	5000

## Important Dates

PRESENTATION CATEGORY	DATE
Submission of Extended Abstract (Only for presentation)	June 20, 2022
Submission of Poster (Only for poster presentation)	June 4, 2022.
Submission of full length paper (for RVJSTEAM Journal, i-manager Journal, UARJ publications)	July 6, 2022
Conference dates	28th – 30th July 2022