

|| Jai Sri Gurudev ||

Sri Adichunchanagiri Shikshana Trust (R.)

# SJC INSTITUTE OF TECHNOLOGY

An Autonomous Institution under VTU from 2024-25

VTU Affiliated, AICTE Approved, Accredited by NBA (CSE, ISE, ECE, ME, CV, AE) &  
NAAC with A+ Grade, NIRF (151-300), Gold rated by QS I-Gauge

Chikkaballapura - 562 101, Karnataka

In Association With

## VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Belagavi - 590 018, Karnataka

&

## GLOBAL SOCIETY FOR TECHNICAL EDUCATION (GSTE)

Bengaluru, Karnataka



# 3<sup>rd</sup> International Conference on Emerging Trends in Engineering and Applied Sciences

# (ICETEA - 2025)

September 18 - 19, 2025

Organized By:

Departments of CV, ME, AE, AS & Basic Sciences



## About SJCIT

SJC Institute of Technology is a premier institute under Visvesvaraya Technological University (VTU) established in 1986. The Institute is managed by Sri Adichunchanagiri Shikshana Trust(R.) founded in 1974 by the divine soul of Jagadguru Padmabhushana Sri Sri Sri Dr. Balagangadharanatha MahaSwamiji. The trust is under the astute visionary and spiritual guidance of Paramapoojya Jagadguru Sri Sri Sri Dr. Nirmalanandanatha Maha Swamiji. The Trust runs more than 516 Institutions all over the states of Karnataka, Maharashtra, Tamilnadu, Andhra Pradesh & Delhi. SJCIT is approved by AICTE, accredited by NAAC with A+ Grade, 6 Engineering Departments Accredited by NBA, NIRF Ranking in the bandwidth of (151-300) and Gold rated by QS I-Gauge.

The institute offers eleven UG Courses: ECE, CSE, ISE, ME, CE, AE, AS, AI-ML, AI&DS, CSD & CV (Kan) and Five PG Courses in Engineering and MBA along with Nine VTU recognized R&D centers. The institute has an excellent track record of results with university ranks and placements in past years. Along with academics, the students also participate and excel in extra-curricular and co-curricular activities through active cultural, sports and social groups. Our goal is to mould students into highly skilled technical and management professionals with a wide range of analytical, strategic and leadership capabilities to meet the global challenges.

## Highlights

- 39 years of excellence with relentless service to society imparting quality education.
- 3400+ Students and 23000+ alumni network.
- 200+ Experienced, Well qualified and Passionate faculty with 64+ Doctorates, 210+ Non-Teaching Staff.
- Consistency in achieving 95% & above Results with Ranks and Medals at University Exams. 73 Ranks and 15 Gold Medals have been fetched so far.
- Training and Expert Guidance on Technical Domains for Placement and Career Development with blended training model.
- 100% Placement opportunity for all Students and more than 95% Placements for eligible candidates. 850+ job offers in 2022, 744+ in 2023, 540+ in 2024 and 684+ in 2025 still on going, with highest package of 28 LPA and average package 5.6 LPA.
- BGS-SJCIT Incubation foundation, IP Cell, EDC, CoEs, Student Excellence and Empowerment Development Center (SEED).
- BGS R&D Centre - BARC, NAIN, BOSCH REXROTH Automation Centre, Completed
- funded projects worth 3 crores & ongoing sponsored projects worth 1 crore.
- MoUs with reputed companies leading to Internships, Projects and Industry visits.

## About VTU

Visvesvaraya Technological University (VTU) is a State University, established by Govt. of Karnataka and one of the largest Technological Universities in India with 25 years of tradition of excellence in Engineering & Technical Education, Research and Innovation. It came into existence in the year 1998 to cater to the need of Indian industries for trained technical manpower with practical experience and sound theoretical knowledge. The University has very successfully achieved the tremendous task of bringing various colleges affiliated earlier to different Universities, with different syllabi, different procedures and different traditions under one umbrella. The university is currently having 208 affiliated colleges, 1 constituent college and 25 Autonomous colleges with undergraduate programs in 37 disciplines, PG programs in 96 disciplines and Ph.D. & M.Sc. (Engg.) research programs with 7 faculty, over 3 lakh Students pursue various courses in the institutes affiliated to the University. The University has 13 Quality Improvement Programme (QIP) centers in various affiliated colleges and 16 extension centers offering PG programs. It has four regional centers across the State of Karnataka in Belagavi, Bengaluru, Kalaburagi and Mysuru respectively.

## About GSTE

International society for the students and teachers of the various leading institutes aiming with more than 1 million members of student communities and working professionals in hardware and software industries and service sectors of the various countries. Professional development programmes for the software experts, teaching professionals, students community and industrial experts. Tieups with research institutions and leading MNCs to incorporate the industry institute interaction with leading Multinational companies and software professionals. To cooperate for the up liftment of regional students of the various countries in the area of higher studies in foreign universities.

### Vision

Preparing Competent Engineering and Management Professionals to Serve the Society.

### Mission

- Providing Students with a Sound Knowledge in Fundamentals of their branch of Study
- Promoting Excellence In Teaching, Training, Research and Consultancy.
- Exposing Students to Emerging Frontiers in various domains enabling Continuous Learning.
- Developing Entrepreneurial acumen to venture into Innovative areas.
- Imparting Value based Professional Education with a sense of Social Responsibility

## About ICETEA-2025

International Conference on Emerging Trends in Engineering and Applied Sciences (ICETEA-2025) is intended to provide a common platform to the Researchers, Academicians, Scientists, Industrial Practitioners, Engineers and Scholars in frontline evolutionary and challenging fields. The foremost objective is to create a fundamental basic knowledge for intellectuals, to exchange their ideas and findings for technological evolution to benefit society. It is expected to bring the global researcher community together for knowledge sharing, innovation and technological achievements. Authors are solicited to contribute to the conference by submitting articles that illustrate research results, projects, Experimental works and industrial experiences that describe significant advances in the following areas, but are not limited to. We acknowledge the Conference Management Tools(CMT) for their support.

## Conference Tracks

- Advanced Materials for Industrial Applications
- Sustainable Materials & Nanotechnology
- Polymer, Ceramics, Glass and Composite Materials
- Computational Fluid Dynamics
- Advanced Propulsion Techniques
- Avionics & Instrumentations
- Highway & Transportations
- Bio Materials & Bio Sensors
- Water & Waste water Treatment
- Basic Sciences (Mathematics, Physics & Chemistry)
- Micro-Electro Mechanical System (MEMS)
- Aerodynamics
- Cryogenics
- Heat & Mass Transfer
- Structural Materials
- Hydraulic Structure
- Geo Technical Engineering
- Transportation Engineering
- Environmental Engineering
- Drone Technology
- Mathematical Modelling
- Robotics and Automation
- Computational mechanics

## Paper Submission

Prospective authors are encouraged to submit high quality original, previously unpublished, experimental or theoretical research papers for presentation at the Conference. Articles submitted to the conference should meet these criteria and must not be under consideration for publication elsewhere. The paper must adhere to the [IEEE Format](#). The research paper must be minimum 6 pages and maximum 8 pages.

The Technical Program Committee's domain experts will peer review all submissions. Kindly avoid submitting same paper at multiple Conference / Journal. Authors should submit the papers through the link provided below.

<https://cmt3.research.microsoft.com/ICETEAconf2025>

## Plagiarism Policy

Any act of plagiarism is a totally unacceptable academic misconduct and cannot be tolerated. The conference team will be checking the plagiarism level of all the submitted papers for ensuring the originality of content with an acceptable limit of 10% including References.

## Publication

All the selected and presented papers will be submitted for publication at **Taylor and Francis(T&F)** book chapter with scopus indexing and DOI will be provided.



Additionally selected papers will be forwarded for publish in the Scopus Indexed (Q2/Q3) Journals based on author consent with an additional Article Processing Charges (APC).

## Divine Blessings

His Holiness Jagadguru Padmabhushana

**Sri Sri Sri Dr. Balangadharanatha Mahaswamiji**

Founder President, Sri Adichunchanagiri Shikshana Trust®

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## Registration Details

<b>Indian Authors</b>	Graduate Student & Post Graduate Student / Academician / Research Scholar / Industry	₹ 8,700/-
<b>Foreign Authors</b>	Graduate Student & Post Graduate Student / Academician / Research Scholar	\$200

## Important Dates

- Deadline for full paper submission : 15 July 2025
- Notification of acceptance : 25 July 2025
- Camera-ready Paper : 10 Aug 2025

## Key Resource Persons @ ICETEA- 2025



### **Dr. Praveen C Ramamurthy**

Professor, Department of Materials Engineering  
Chair, Interdisciplinary Centre for Water Research  
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### **Dr. Wuttichai Chaiphaksa**

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