

**International Conference on
Research in Engineering, Science
and Technology
ICREST-2026**

Organized by



Quality Education with
Knowledge & Value

**Shivganga Charitable Trust, Sangli's
VISHVESHWARYA TECHNICAL CAMPUS
Patgaon, Miraj.**

Publication Partner



www.conferenceworld.in



www.iardo.com

Date: 05th June 2026

ISBN: 978-93-48954-01-5

**International Conference on
Research in Engineering, Science
and Technology**

ICREST-2026

Editors

Dr. A.S. Bannavar

Mr. A.S. Mulani

Publish By:

A.R. Research Publication

Preface

Conference word and AR Research Publication is a fast-growing group of academicians in Engineering, Sciences, and Management. A R Research Publication is also known for its fast reply and zero-error work. The conference world has organized various conferences at renowned places namely Delhi University; New Delhi, Jawaharlal Nehru University; New Delhi, PHD Chamber of Commerce and industry New Delhi, YMCA New Delhi, India International Centre New Delhi, Sri Venknteswara College of Engineering and Technology, Andhra Pradesh, Vedant Engineering Kota and many more places across the country.

We are very pleased to introduce the proceedings of the International Conference on Research in Engineering, Science and Technology (ICREST-2026). The papers presented at the conference addressed the Recent Innovations & Development in field of Engineering and Technology. The level of Interest in the subject matter of the conference was maintained from previous events and over 49 suitable papers were submitted for presentation at the conference.

Papers were well represented at the conference to arouse a high level of international interest. The presented papers maintained the high promise suggested by the written abstracts and the program was chaired in a professional and efficient way by the session chairmen. The program was chaired professionally and efficiently by the session chairmen also highly gratifying, showing the high level of interest in the subject. This Proceeding provides a permanent record of what was presented. They indicate the state of development at the time of writing of all aspects of this important topic and will be invaluable to all authors in the field for that reason. Finally, it is appropriate that we record our thanks to our fellow members of the Technical Organizing Committee for encouraging participation from those areas. We are also indebted to those who served as chairmen, without their support, the conference could not have been the success that it was. We also acknowledge the authors themselves, without whose expert input there would have been no conference. Their efforts made a great contribution to its success.

About The College

Vishveshwarya Technical Campus is an ambitious educational initiative of Shivganga Charitable Trust (SCT), Sangli, established to provide quality technical education and develop skilled engineering professionals for the future. Approved by AICTE, New Delhi, DTE Mumbai and Government of Maharashtra, the institute is affiliated with DBATU University, Lonere and MSBTE Mumbai. The campus offers Engineering Degree, Diploma, PG and Management programs with modern infrastructure, laboratories, library, hostel and transport facilities. The institution focuses on academic excellence, innovation, technical skills, valuebased education and social responsibility to create future technical leaders.

“Join us... To become tomorrow’s Technical Leader!!!

About The Conference

The International Conference on Research in Engineering, Science and Technology (ICREST-2026) aims to provide a global platform for academicians, researchers, scientists, industry experts, and students to share innovative ideas, research findings, and technological advancements in the fields of Engineering, Science, and Emerging Technologies. The conference encourages interdisciplinary research and collaboration to address real-world challenges and promote sustainable technological growth. Participants will get opportunities to present their research papers, interact with experts, and exchange knowledge with scholars from various domains.

About IARDO

International Association of Research and Developed Organization (IARDO) is a leading organization in the field of academic research activities under the banner of India Educational Charitable Trust (Regd). International Association of Research and Developed Organization (IARDO) is an apex body that promotes and encourages commendable achievements from all over the country. The organization under conference world regularly organizes national and International level conferences with the help of its members to promote socially responsible education practices and sustainable development in economic as well social front in India.

HON'BLE CHIEF PATRONS

Hon. Shivajirao Ingawale,

Chairman, SCT-VTC, Patgaon Miraj

Hon. Satish Ingawale, Secretary,

SCT-VTC, Patgaon Miraj

Hon. Dr. D.N. Mudgal,

Expert Director, SCT-VTC, Patgaon Miraj

PATRON

Ms. S.N. Pawar,

Administrative Director, SCT-VTC, Patgaon Miraj

Dr. A.C. Bhagali,

Campus Director, SCT-VTC, Patgaon Miraj

Dr. D.S. Bhangari,

Director, SCT-VTC, Patgaon Miraj

Mr. E.S. Tamboli,

Administrative Officer, SCT-VTC, Patgaon Miraj

Chief Guest

Dr. Pratapsinh Kakaso Desai

National President, ISTE New Delhi

CONVENER

Dr. A.S. Bannenavar

Dean Engineering, SCT-VTC, Patgaon Miraj

CO- CONVENERS

Mr. A.S. Mulani Registrar,

SCT-VTC, Patgaon Miraj

NATIONAL & INTERNATIONAL ADVISORY BOARD

Dr. K.B. Prakash,

Ex-Principal, Govt. Engineering College, Haveri

Dr. Ranjit K. Sawant,

Chairman ISTE, Maharashtra-Goa

Dr. Arwind Kiwalekar,

Professor Department of Computer Engg Dr BATU Lonere

Dr. Shivanand N. Teli,

Vice Principal, Bharati Vidyapeeth COE, Kharghar

ORGANIZING COMMITTEE

Dr. D.K. Gupta, Professor

Dr. S.D. Gupta, Professor

Mr. R.G. Patil, Dean Diploma, VTC, Patgaon Miraj

Mr. N.D. Chalake, HoD Mechanical Engineering

Ms. S.B. Shendage, HoD Electrical Engineering

Ms. S.P. Patil, HoD Computer Engineering

Mr. J.A. Sharikmaslak, HoD First Year Engineering

Ms. U.S. Pawar, HoD Civil Engineering

Ms. S.R. Shingade, HoD First Year Engineering

Ms. A.P. Jambhale, HoD Electrical Engineering



Message

Ms. Reshu Gupta,
CEO Conference World

It is with immense pleasure and great pride that I extend a warm welcome to all delegates, researchers, academicians, industry experts, scientists, and students to the **International Conference on Research in Engineering, Science and Technology (ICREST-2026)**, scheduled to be held on **05th June 2026**.

This prestigious international conference is organized by **Shivganga Charitable Trust, Sangli's Vishveshwarya Technical Campus, Patgaon, Miraj**. The conference aims to bring together eminent researchers, scholars, academicians, and professionals from across the globe to share their research findings, exchange innovative ideas, and discuss recent advancements in Engineering, Science, Technology, and related interdisciplinary domains. It provides a valuable platform for fostering academic excellence, technological innovation, and collaborative research initiatives.

I am confident that this conference will serve as a catalyst for intellectual discussions, professional networking, and the development of innovative solutions to contemporary scientific and technological challenges. The knowledge shared and collaborations established during this event will contribute significantly to the advancement of research and sustainable development across various sectors.

I extend my heartfelt appreciation to the organizing committee, faculty members, researchers, sponsors, and all supporting partners for their dedication and commitment in making this conference a success. I wish the **International Conference on Research in Engineering, Science and Technology (ICREST-2026)** a grand success and a highly enriching experience for all participants. Thank you for being a part of this significant academic and research endeavor.

Ms. Reshu Gupta,
CEO Conference World

Proceeding of the conference has been published with **ISBN: 978-93-48954-01-5**
International Conference on Research in Engineering, Science and Technology (ICREST-2026). Organized at **Shivganga Charitable Trust, Sangli's Vishveshwarya Technical Campus Patgaon, Miraj**. Total 67 papers were received for the conference and 49 papers were shortlisted by the committee.

Published by

AR Research Publication,

3/186 Santpura Govindpuri Modinagar- 201201. Dist: Ghaziabad **International Conference on Research in Engineering, Science and Technology (ICREST-2026)** (Vol-01) Copyright © 2026, by AR Research Publication (India)

No part of this publication may be reproduced or distributed in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise or stored in a database or retrieval system without the prior written permission of the publishers. The program listing (if any) may be entered, stored and executed in a computer system, but they may not be reproduced for publication.

This edition can be exported from India only by the publishers, AR Research Publication (India) ISBN: **978-93-48954-01-5**

Managing Director: Gauri Sharma

Senior Researcher—Product Development: Ms. Pratima Singh

Head—Production (Higher Education and Professional): Satinder Kulkarni

Information contained in this work has been obtained by AR Research Publication (India), from sources believed to be reliable. However, neither AR Research Publication (India) nor its authors guarantee the accuracy or completeness of any information published herein, and neither AR Research Publication (India) nor its authors shall be responsible for any errors, omissions, or damages arising out of use of this information.

This work is published with the understanding that AR Research Publication (India) and its authors are supplying information but are not attempting to render engineering or other professional services. If such services are required, the assistance of an appropriate professional should be sought.

Cover Design: Deepak Kumar