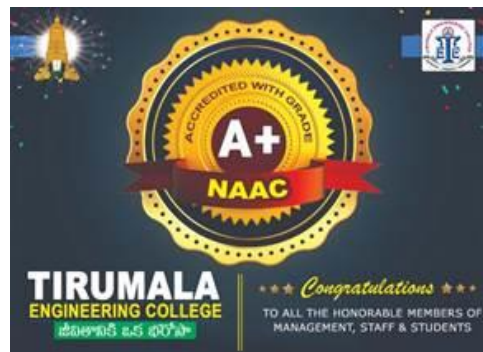


**International Conference on  
Digital Transformation,  
IoT & Computer Science Innovations**

**ICDTCI-2026**

Organized by



**Tirumala Engineering College**

**Jonnalagadda, Narasaraopeta, Andhra Pradesh 522601**

**Publication Partner**



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**International Conference on  
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**Editors**

**Dr. Y.V. Narayana**

**Dr. T. Jagadeesh**

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***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 Digital Transformation, IoT & Computer Science Innovations (ICDTCI-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 147 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**

### **Vision**

To be a world class leader in transforming lives through an innovative, rigorous and compassionate approach by imparting high quality academic excellence in technical education to uplift the living standards of the rural youth by promoting the cutting edge technologies, employability, higher education and research with socio-ethical, eco-friendly and entrepreneurial values.

### **Mission**

To develop high quality technical personnel with a sound footing on basic engineering principles, innovative research capabilities and exemplary professional conduct to lead and to use technology for the progress of mankind, training and adepting them to changing technological environment by providing the high quality instruction, infra, faculty, effective teaching and learning methods imbining socio-ethical, eco-friendly and entrepreneurial values as the inner strength for rural development

### **Quality Policy**

We, at Tirumala Engineering College, Strongly believe that Quality is the essence of life. Hence, TEC will constantly strive to improve the quality of education and training imparted to its students by establishing state-of-the-art laboratories and modernizing them continually, upgrading the knowledge and skills of its staff periodically and developing strong linkages with industry.

## **About The Conference**

This international conference aims to bring together leading researchers, academicians, industry experts, and technology enthusiasts from across the globe to share their knowledge, research findings, and innovative ideas in the rapidly evolving domains of digital transformation, Internet of Things (IoT), and computer science.

The conference focuses on exploring cutting-edge advancements in areas such as artificial intelligence, data analytics, cloud computing, cybersecurity, smart systems, and emerging digital technologies. It provides a dynamic platform for interdisciplinary collaboration, enabling participants to discuss real-world challenges, technological breakthroughs, and future opportunities in the digital era.

ICDTCI – 2026 emphasizes the role of innovation and integrated technological solutions in driving sustainable growth, smart infrastructure, and digital empowerment. Participants will have the opportunity to present their research papers, attend expert sessions, engage in meaningful discussions, and network with global professionals, fostering knowledge exchange and academic excellence.

### **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.

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## *Message*

***Ms. Reshu Gupta,***  
*CEO Conference World*

It is with great enthusiasm that I extend a warm welcome to the **International Conference on “Digital Transformation, IoT & Computer Science Innovations (ICDTCI-2026)”**, scheduled to be held on **09th May 2026**.

This prestigious international conference is organized by the Department of Tirumala Engineering College, Jonnalagadda, Narasaraopeta, Andhra Pradesh, India. The conference is being conducted in association with Conference World and the International Association of Research and Developed Organization (IARDO).

The conference aims to provide a dynamic platform for academicians, researchers, industry professionals, scientists, and students to exchange ideas, present innovative research, and discuss the latest advancements in Digital Transformation, Internet of Things (IoT), Artificial Intelligence, Computer Science, and emerging technologies. It seeks to encourage interdisciplinary research, technological innovation, and collaborative solutions to address contemporary challenges in the digital era.

I am confident that this academic gathering will inspire meaningful discussions, strengthen research collaborations, and contribute significantly to advancements in technology, innovation, and sustainable digital development across diverse domains.

I extend my sincere appreciation to the organizing committee and our esteemed partners for their dedicated efforts in making this conference possible. I wish the **ICDTCI-2026** Conference a grand success and a highly enriching experience for all participants.

***Ms. Reshu Gupta,***  
*CEO Conference World*



## *Message*

***Dr. Y.V. Narayana,***

***Principal, Tirumala Engineering College***

It is a matter of great pride and pleasure to welcome all delegates, researchers, academicians, industry professionals, and students to the **International Conference on “Digital Transformation, IoT & Computer Science Innovations (ICDTCI-2026)”**, to be held on **09th May 2026**.

Organized by the Department of Tirumala Engineering College, Jonnalagadda, Narasaraopeta, Andhra Pradesh, India, in association with **Conference World** and the **International Association of Research and Developed Organization (IARDO)**, this conference serves as a significant forum for the dissemination of cutting-edge research and innovative ideas in the fields of Digital Transformation, Internet of Things (IoT), Artificial Intelligence, Data Science, Computer Science, and related technologies.

I am confident that the deliberations, technical sessions, and interactions during this conference will inspire new perspectives, strengthen academic and industry partnerships, and encourage future research endeavors. Such platforms play a crucial role in nurturing talent, promoting innovation, and contributing to the advancement of science and technology.

I congratulate the organizing committee for their commitment and hard work in arranging this international event. I also extend my heartfelt gratitude to all authors, speakers, reviewers, and participants for their valuable contributions.

I wish the conference every success and hope that all attendees have a productive, insightful, and memorable experience.

***Dr. Y.V. Narayana,***

***Principal, Tirumala Engineering College***

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**International Conference on Digital Transformation, IoT & Computer Science Innovations (ICDTCI-2026)**. Organized at **Tirumala Engineering College, Jonnalagadda, Narasaraopeta, Andhra Pradesh** Total 187 papers were received for the conference and 147 papers were shortlisted by the committee.

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