



# HINDUSTHAN INSTITUTE OF TECHNOLOGY

(An Autonomous Institution, Approved by AICTE, New Delhi,  
Affiliated to Anna University, Chennai, Accredited with "A" Grade by NAAC)  
Valley Campus, Pollachi Main Road, Coimbatore 641 032.



## WINDOWZ 2021-2022

**DEPARTMENT  
OF  
COMPUTER SCIENCE  
AND ENGINEERING**

# **WINDOWZ 2021-2022**

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**Head of the Department / CSE**

**Dr. A.Jameer Basha**

## **Message from Head of the Department,**

It is with great pleasure that I present this edition of the Department of Computer Science And Engineering magazine, a reflection of the academic spirit, innovation, and collective efforts that define our department.

This magazine captures the essence of these efforts. It highlights the talent, creativity, and resilience of our students, and the unwavering support and mentorship provided by the faculty. Each article, project, and achievement featured here stands as a testimony to our shared commitment to excellence.

I take this opportunity to thank every contributor and the editorial team for their dedication. I also express my sincere gratitude to the management and leadership for their continued support and encouragement.

Let this magazine serve as both a celebration of the present and a motivation for the future.

Together, let us continue striving towardh academic excellence and innovation.

# About The Department

**Department of Computer Science and Engineering** has started in the year of 2007. It is established with the vision to provide high-quality education and promote cutting-edge research.

The department offers a comprehensive curriculum that blends theoretical foundations with practical applications in computing.

The department has well equipped laboratories that provide students with hands-on experience and practical exposure.

Department of CSE has been recognized as the Research Centre from the Centre for Research, Anna University.



## VISION

To nurture competent Computer Science Engineers who possess the ability to contribute to global projects and collaborations with an emphasis on fostering innovation, research, and development through the pursuit of academic excellence and high standards of teaching and research focusing on ethical conduct and social responsibility, integrating sustainability principles and instill a passion lifelong learning.

## MISSION

**MD1:** To deliver Academic Excellence through the implementation of outcome-based education, extensive research, and the adoption of innovative practices.

**MD2:** To provide best practical experience through Interdisciplinary Approach, Industrial Collaborations and State-of-the-Art Facilities

**MD3:** To produce socially responsible engineering graduates by providing them with value-based education and fostering their continuous professional development.

## **Programme Educational Objective**

**PEO1:** Graduates will demonstrate proficiency in core computer science concepts, theories, and principles to analyze, design, and develop innovative solutions to complex engineering problems to succeed in diverse computing industry sectors adapting to emerging technological trends.

**PEO2:** Graduates will uphold high ethical standards and demonstrate social responsibility in their engineering practice, function effectively in multidisciplinary teams to collaborate and achieve common goals and engage in continuous learning and professional development.

**PEO3:** Graduates will exhibit an entrepreneurial mindset, actively pursuing opportunities to develop innovative computer science solutions, services, and products as well as effectively lead and manage projects in the field.

## **Programme Specific Outcomes**

**PSO1:** Ability to apply programming skills in various languages and implement algorithms and data structures to solve computational challenges.

**PSO2:** Ability to design, develop, test, and integrate software and hardware components to construct effective and efficient computer-based systems.

## **FDP/STTP Organized by the Department**

**16.05.2022**

**to**

**20.05.2022**

### **National-Level Faculty Development Programon Demystifying Outcome-Based Education (OBE)**

#### **Name of the Speaker & Designation and Organization**

##### **Dr.Rajeshkumar.N**

Professor

Sathayabhamma Institute of Science  
and Technology,  
Chennai.

##### **Dr.Senthilkumar.S**

Professor

Department of Educational Technology  
Bharathidasan University  
Khajamalai Campus  
Tiruchy

##### **Dr.Priya.S**

Assistant Professor,

Department of IT, Coimbatore Institute of  
Technology, Coimbatore.

##### **Dr.Ezhumalai.P**

Professor and Head Department  
of Computer Science and Engineering  
SSN College of Engineering,  
Chennai.

##### **Dr.Parthasarathy.M**

Associate Professor

Department of Educational Technology  
Bharathiar University  
Coimbatore

## **Faculty as Resource Persons or Participants in STTPs/FDPs**

**Dr.Kala.R**

FDP on “Practical Data  
Structures for Industrial  
Problem Solving”

Organized by

JCT College of Engineering and  
Technology 20.01.2022  
Coimbatore

**Mr.Arun.M**

Global Information  
System for Environmental  
Sustainability

Organized by

Amrita School of  
Engineering, 04.04.2022  
Coimbatore

## **Faculty Internship/Industry Collaboration Highlight**

### **Mrs.Jeevitha.P** Industry Collaboration with ZOHO Rural Program

- Organized By: ZOHO
- Duration: 06.12.2021 -10.12.2021

#### **Key Outcomes:**

- 1.Increased confidence and self-worth among rural youth and women by participating in cutting-edge work.
- 2.Holistic development including soft skills, problem-solving, and practical application of knowledge.

This collaboration reflects our faculty's continuous commitment to upskilling and staying updated with industry trends, which in turn enhances the academic ecosystem for our students.

## Faculty Patent Details

### Dr.Jameer Basha.A

Title	Application No	Date of Filing	Status
An automated system for diary product supply chain management using IoT	202241023015	19.04.2022	Published
Food nutrition detection system using DL and fuzzy logic	202241022985	19.04.2022	Published
Advanced IoT and AI enabled semi-autonomous vehicle with advanced driver assistance system for commercial purpose	202241023008	19.04.2022	Published

### Mr.Periyasamy.P.N

Title	Application No	Date of Filing	Status
Design System of Autonomous Vehicle State Estimation and Mapping using AI approach	202241032120	10.06.2022	Published

## **Mrs.Banupriya.M**

<b>Title</b>	<b>Application No</b>	<b>Date of Filing</b>	<b>Status</b>
AI based deworming robotics arm system	202241025827	04.05.2022	Published

## **Mr.Biju Balakrishnan**

<b>Title</b>	<b>Application No</b>	<b>Date of Filing</b>	<b>Status</b>
Artificial bionic eye to assist visually impaired people with artificial vision	202241013336	11.03.2022	Published
ML based system to translate text to sign language processing for assisting deaf and hearing impaired people	202241016790	24.03.2022	Published



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