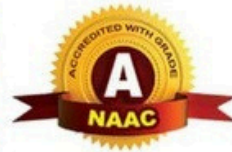




**J.J. COLLEGE OF ENGINEERING  
AND TECHNOLOGY** COURSELINE CODE **3807**  
Approved by AICTE | Affiliated to Anna University | ISO 9001 : 2015 Certified  
**SOWDAMBIKAA GROUP OF INSTITUTIONS**



**VOLUME #3  
ISSUE #8  
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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



## INSTITUTION MAKING STUDENTS READY FOR “INDUSTRY 4.0”

the **EDITORIAL** board 

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**Mr. G. Kaviyarasu, III year / CSE**

# INDEX

- **VISION & MISSION**
- **PEOs , POs & PSOs**
- **MAJOR EVENTS**
- **STUDENTS ACHIEVEMENTS**
- **FACULTY MEMBERS ACHIEVEMENTS**

## VISION



To provide the quality Education in Computer Science and Engineering and to mould the Students into self-confident and professionally competent individuals



## MISSION



To produce successful graduates enriched with professional and leadership capabilities  
To impart the skills necessary and to continue education and grow professionally  
To inculcate strong ethical and human values  
To establish a research center in Computer Science and Engineering  
To contribute towards empowering the rural youth with computer education

## MISSION



# PROGRAM EDUCATIONAL OBJECTIVES

PE01 :

Apply their technical competence in computer science to solve real world problems, with technical and people leadership.

PE02 :

Conduct cutting edge research and develop solutions on problems of social relevance.

PE03 :

Work in a business environment, exhibiting team skills, work ethics, adaptability and lifelong learning.

# PROGRAM OUTCOMES (PO's)

## **P01 ENGINEERING KNOWLEDGE:**

Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

## **P02 PROBLEM ANALYSIS:**

Identify, formulate, review research literature, and analyze complex engineering mathematics, natural sciences, and engineering sciences.

## **P03 DESIGN/DEVELOPMENT OF SOLUTIONS:**

Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

## **P04 CONDUCT INVESTIGATIONS OF COMPLEX PROBLEMS:**

Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions

## **P05 MODERN TOOL USAGE:**

Create, select, and apply appropriate techniques, resources, and modern engineering and communication tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

## **P06 THE ENGINEER AND SOCIETY:**

Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

# PROGRAM OUTCOMES (PO's)

## **P07 ENVIRONMENT AND SUSTAINABILITY:**

Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development

## **P08 ETHICS:**

Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

## **P09 INDIVIDUAL AND TEAM WORK:**

Function effectively as an individual and as a member or leader in diverse teams, and in multidisciplinary settings

## **P010 COMMUNICATION:**

Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

## **P011 PROJECT MANAGEMENT AND FINANCE:**

Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments

## **P012 LIFE-LONG LEARNING:**

Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

# PROGRAM SPECIFIC OUTCOMES (PSO 's)

PSO1

Exhibit design and programming skills to build and automate business solutions using cutting edge technologies.


PSO2

Strong theoretical foundation leading to excellence and excitement towards research, to provide elegant solutions to complex problems.

PSO3

Ability to work effectively with various engineering fields as a team to design, build and develop system applications.

# MAJOR EVENTS



**J.J. COLLEGE OF ENGINEERING AND TECHNOLOGY**  
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ESTD. 1994

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AICTE APPROVED  
IQC  
SOWDAMBIKAA GROUP OF INSTITUTIONS  
INSTITUTION'S INNOVATION COUNCIL  
Ministry of Education, India

**INSTITUTION'S INNOVATION COUNCIL ORGANIZES  
GUEST LECTURE ON  
RESEARCH PROBLEM  
IDENTIFICATION AND FORMULATION**

**CHIEF GUEST**  
Dr. P. VIJAYAKUMAR, M.E., Ph.D  
Professor & Dean  
Dept. of Computing Sciences / JJCET

Venue: Seminar Hall  
Date: 18-02-2025  
Time: 10.00 A.M

IC-COUNCIL/ACADEMIA PARTNER

Take your Research Communication to the next level....

Dr.P. MATHIYALAGAN M.E., Ph.D  
IIC President / Principal / JJCET



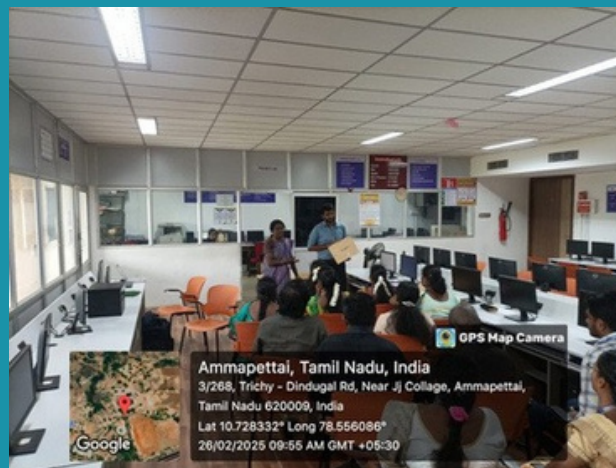
J. J. College of Engineering and Technology- IIC organized a Research Event "Research Problem Identification and Formulation" on 18 February 2025. Dr. P. Mathiyalagan, M.E., Ph. D, IIC President and Principal, JJCET presided over the event and highlighted the importance of research works.

Dr. P. Vijayakumar M.E., Ph. D Professor and Dean, Department of Computing Sciences has delivered a thoughtful presentation on the research communication for the next level. All the Deans, Heads of various Departments and Faculty members participated with enthusiasm. The event was completed successfully with positive interaction with valuable guidance.

# MAJOR EVENTS



An outreach programme on ABACUS' 25 was organized by Computer Science and Engineering Association, College of Engineering Guindy Anna University at J. J. College of Engineering and Technology, Trichy on 20 & 21 February 2025



Hands on Training on " Embedded Systems and IoT" was held on 26 February 2025 at the Brainland Computer Laboratory, JJCET by Mr. Mugundhan, Design Engineer, Silicon Embedded Systems, Coimbatore

# STUDENTS ACHIEVEMENTS



Mr. Deepan Muthukumar, II year / CSE has successfully completed a certification in " Interview Skills" by TCS Pvt Ltd on 17 February 2025  
" Write Effective Resume and Cover Letter " by TCS Pvt Ltd on 18 February 2025



Ms. Padhma Shree K, III year / CSE has actively participated in the National Webinar on Theme: "AI Powered Tech Development" Organized by The Institution of Engineers (India), held virtually on 18 February 2025

Mr. Nithish L, III YEAR / CSE has successfully completed a certification course on " Python" on 20 February 2025



# STUDENTS ACHIEVEMENTS



**Mr.V.Mohanraj, III year CSE has won Bronze medal in Wushu in National level Competition in Chandigarh University**



# STUDENTS ACHIEVEMENTS



Most of the Students of CSE department have participated and won prizes in the event "Family Feud" conducted during REACH' 25 at J.J. College of Engineering and Technology on 20 February 2025

- Mr. Vishal A, II year / CSE has secured 1st place
- Mr. Sanjay S, II year / CSE has secured 2nd place
- Ms. Kaviya S, III year / CSE has secured 3rd place



Mr. Udhayakumar S, III year / CSE has successfully completed a certification course on "CSS , Bootstrap , JavaScript And PHP Stack" on 25 February 2025

Ms. Rakshitha, II year / CSE and Ms. Priya Dharshini, II year / CSE have participated and won **1st place** in the event "OSPC" conducted during REACH' 25 at J. J. College of Engineering and Technology on 20 February 2025



# FACULTY MEMBERS ACHIEVEMENTS



Mrs. P. Mageswari, AP / CSE has successfully participated & completed ATAL Academy FDP on "Advancements in artificial Intelligence and Machine Learning for Modern engineering Solutions at University College of Engineering from 27 January 2025 to 1 February 2025



Mrs. S. Harthy Ruby Priya, AP / CSE and Mrs. S. Usharani, AP / CSE have successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on "Exploring the Intersection of Blockchain Technology and Generative AI : Advancements, Applications, and Future Directions " at SPHOORTHY Engineering College from 3 February 2025 to 8 February 2025

Mrs. R. Shariff Nisha, AP / CSE has successfully participated & completed ATAL Academy FDP on

"Recent Advancements and Challenges in Integration of IoT and 5G/6G Wireless Communication : Building the Next Generation of Wireless Innovation "at Bannari Amman Institute of Technology from 3 February 2025 to 8 February 2025



"AI-enhanced 6G: Pioneering the Next Generation of Wireless Innovation" at Bannari Amman Institute of Technology from 10 February 2025 to 15 February 2025



# FACULTY MEMBERS ACHIEVEMENTS



Ms. P. Saranya, AP / CSE has successfully participated & completed ATAL Academy FDP on "Recent Trends in Artificial Intelligence and Quantum Computing at St. Joseph's College of Engineering and Technology from 3 February 2025 to 8 February 2025



Mr. S. Jagatheeswaran, AP / CSE has successfully participated & completed ATAL Academy FDP on "Deep Learning for Social Impact: Atomic Object Detection in Real-world Applications at Narsimhareddy Engineering College from 3 February 2025 to 8 February 2025

Mr. S. Venkatesh, AP / CSE, Mrs. S. Janani, AP / CSE and Ms. P. Saranya, AP / CSE have successfully participated & completed ATAL Academy FDP on

"Deep Learning and Computer Vision in the field of Clinical Research" at Thiagarajar College of Engineering from 17 February 2025 to 22 February 2025




# FACULTY MEMBERS ACHIEVEMENTS



Mrs. S. Kavitha, Assistant Professor, Department of CSE, JJCET has presented a paper titled "Computer Aided Diagnosis of Breast Cancer Using Machine Learning Techniques" in the 18th International conference on Intelligent Systems and Control (ISCO 2025) held on 13 & 14 February 2025, at Karpagam College of Engineering, Coimbatore. Her paper has been selected for the Best paper Award among 160+ papers.



JJCET organized National Science Day 2025 on 28 February 2025 at Seminar Hall. Our Experts Dr. P. Vijayakumar, Dean Computing Sciences & Professor / CSE, Mrs. S. Kavitha,  and Dr. S. Sivalingam, Associate Professor / Mechanical Engineering, JJCET contributed as judges for the student projects.