ADHIYAMAAN COLLEGE OF ENGINEERING
(AN AUTONOMOUS INSTITUTION)

AFFILIATED TO ANNA UNIVERSITY, CHENNAI

APPROVED BY AICTE NEW DELHI
Accredited with NAAC 'A' GRADE

Dr.M.G.R. Nagar , HOSUR - 635130

DEPARTMENT
OF
COMPUTER SCIENCE AND ENGINEERING

ACT NEWSLETTER

(ASSOCIATION OF COMPUTER TECHNOCRATS)

CHRONICLES'24

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ABOUT US

IN THE WORLD OF INFORMATION TECHNOLOGY, THE HUMAN LIFE WILL BE INCOMPLETE WITHOUT THE ROLE OF COMPUTER SCIENCE. COMPUTER SCIENCE AND ENGINEERING AT ACE WAS INAUGURATED IN THE YEAR 1991. THE INTAKE OF B.E. COMPUTER SCIENCE AND ENGINEERING IS 180 AND M.E. COMPUTER SCIENCE AND ENGINEERING IS 12. HERE WE EMPOWER STUDENTS WITH THE TOOLS AND IDEAS THAT CAN BE APPLIED ANYWHERE BOTH IN COLLEGE AND BEYOND. WE AIM AT MOLDING THE STUDENTS INTO HIGHLY QUALIFIED TECHNOCRATS AND TO MAKE THEM GOOD CITIZENS OF OUR NATION TO SERVE THE INDUSTRY AND SOCIETY. B.E. COMPUTER SCIENCE AND ENGINEERING PROGRAMME HAS A HEARTFELT TEAM OF DEDICATED FACULTY MEMBERS WITH A SOUND KNOWLEDGE IN VARIOUS AREAS AND IT HAS THE STATE-OF-ART FACILITIES FOR VARIOUS LABORATORIES AND SUPPORTS SMART CLASS LEARNING.

PERIODIC GUEST LECTURES, WORKSHOPS ARE ORGANIZED THROUGH CSI , ISTE&IE(I) AND ICT ACADEMY STUDENT CHAPTERS FOR THE BENEFIT OF STUDENTS TO SUPPLEMENT THEIR CURRICULUM. THIS FACILITATES THE STUDENTS TO ENRICH THEIR KNOWLEDGE AND TO UPDATE THE CURRENT INDUSTRY TRENDS. AN ACTIVE PLACEMENT TRAINING IS FUNCTIONING WITH FULL ENTHUSIASM WITH THE AIM OF PLACING THE STUDENTS IN TOP-NOTCH COMPANIES. THE DEPARTMENT SHOWS EXCELLENT PERFORMANCES IN EXAMINATIONS, PLACEMENT, RESEARCH AND CONSULTANCY, CONTINUING EDUCATION PROGRAMMES, INDUSTRY INSTITUTE PARTNERSHIP, AND PUBLICATION BY FACULTY MEMBERS AND PG STUDENTS. ABOUT 90% OF THE STUDENTS ARE PLACED IN VARIOUS MNCS. THE STUDENTS ARE ENCOURAGED TO PARTICIPATE IN VARIOUS ACTIVITIES LIKE PAPER PRESENTATION, SPORTS ACTIVITIES AND CULTURAL ACTIVITIES.

SALIENT FEATURES

1. HIGHLY QUALIFIED AND EXPERIENCED FACULTY.
2. CONDUCIVE ACADEMIC ENVIRONMENT.
3. SPECIAL GUIDANCE TO ADVANCED LEARNERS.
4. FREE INTERNET ACCESS.
5. ARTS OF SELF-DEFENSE FOR FEMALE STUDENTS

INSTITUTION

VISION

TO FOSTER ACE AS A CENTER FOR NURTURING AND DEVELOPING WORLD CLASS ENGINEER AND MANAGERS WHO CONVERT GLOBAL CHALLENGES INTO OPPORTUNITIES THROUGH VALUE-BASED QUALITY EDUCATION.

MISSION

- TO IMPART VALUE BASED QUALITY EDUCATION THROUGH EFFECTIVE TEACHING-LEARNING PROCESSES.

- TO NURTURE CREATIVITY, EXCELLENCE AND CRITICAL THINKING BY APPLYING GLOBAL COMPETENCY FACTORS TO CONTRIBUTE AND EXCEL IN THE RAPIDLY GROWING TECHNOLOGICAL WORLD.

- TO CONTINUOUSLY DEVELOP AND IMPROVE HOLISTIC AND INNOVATIVE PERSONALITY FOR GLOBAL MOBILITY.

- TO MAKE ACE A CENTER FOR EXCELLENCE.

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VISION

TO EMPOWER YOUNG MINDS TO BECOME RESILIENT PROFESSIONALS, INSTILLED WITH ETHICAL PRINCIPLES AND EQUIPPED WITH CUTTING-EDGE TECHNOLOGIES TO MEET THE EVOLVING DEMANDS OF THE WORLD.

MISSION

- TO EMPOWER INDIVIDUALS WITH A COMPREHENSIVE UNDERSTANDING OF COMPUTER ENGINEERING PRINCIPLES AND ITS APPLICATIONS THROUGH EFFECTIVE TEACHING AND LEARNING PRACTICE.

- TO CULTIVATE EXCELLENCE AND CRITICAL THINKING, WHILE LEVERAGING GLOBAL COMPETENCY, THUS ENABLING SIGNIFICANT CONTRIBUTIONS TO SOCIETAL CHALLENGES IN THE FAST-PACED TECHNOLOGICAL LANDSCAPE.

- TO FACILITATE THE STUDENTS TO WORK WITH MODERN TOOLS AND TECHNOLOGIES TO FOSTER INNOVATION, A ZEST FOR HIGHER STUDIES AND TO BUILD LEADERSHIP QUALITIES BY INCULCATING THE SPIRIT OF ETHICAL VALUES.

MESSAGE FROM PRINCIPAL
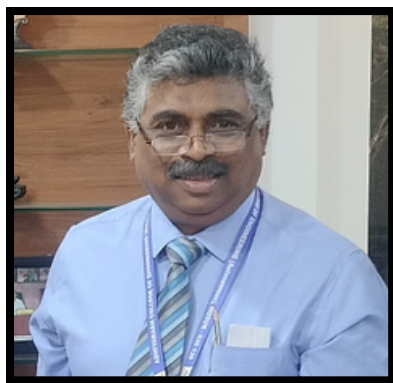
DR. R. RADHAKRISHNAN

I extend a warm greetings to the CSE department, a hub of innovation and future-ready skills, and I am proud to see our students excel in this rapidly evolving field, contributing to technological advancements and shaping a brighter future.

I am incredibly proud of the CSE department and the dedication of its faculty and staff. Your commitment to excellence in teaching, research, and industry collaboration is truly inspiring. You are not just imparting knowledge; you are fostering the next generation of innovators and problem-solvers.The field of CSE is constantly evolving, and it's crucial to embrace change and foster a culture of innovation. I encourage our students to think outside the box, explore new ideas, and push the boundaries of what's possible.

While theoretical knowledge is essential, it's equally important to equip our students with the practical skills they need to succeed in the industry. I commend the department for its focus on hands-on learning, real-world projects, and industry internships. I want to express my sincere gratitude to the faculty, staff, and students of the CSE department for their hard work, dedication, and commitment. Your contributions to our institution and the broader community are invaluable. I am confident that the CSE department will continue to thrive and make a significant impact on the world.

CONGRATULATIONS TO THE DEPARTMENT FOR YOUR REMARKABLE ACCOMPLISHMENTS.

MESSAGE FROM HOD

DR. G FATHIMA

I am delighted to share the recent achievements of our students and faculty members, which reflect the exceptional talent and dedication within our department.

Our department is excelling in organizing events that greatly benefit our students. From workshops and seminars to guest lectures and hackathons, we are creating a dynamic and stimulating environment that fosters learning and professional growth. These events provide our students with valuable opportunities to gain hands-on experience, interact with experts, and stay updated with the latest trends and technologies.

As we continue to strive for excellence, I encourage everyone to take pride in our collective achievements and remain committed to our shared goals. Let us celebrate our successes and work together to create an even more vibrant and enriching academic community

CONGRATULATIONS ONCE AGAIN TO ALL OUR STUDENTS AND FACULTY MEMBERS FOR THEIR REMARKABLE ACHIEVEMENTS. KEEP UP THE GREAT WORK!
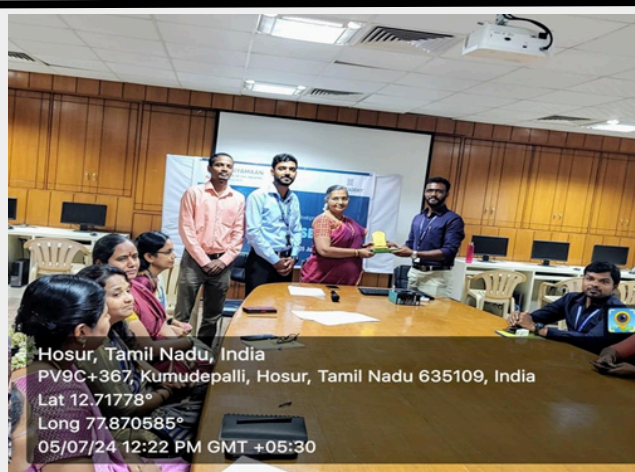
A Five day Faculty Development Program on "Cyber Security"
was organized in association with ICT Academy during 5th to 9th July 2024.
The organizer **Dr. G Fathima HOD/CSE** honouring the resource person **Mr. Siva Gopal, Trainer from ICT Academy.**

Photoshop Mastery Workshop
was organized on 31st July 2024.
Mr. Bretto Ruban, Graphic Designer, delivering the session to the students in the presence of
Dr. G. Fathima, HOD/CSE.
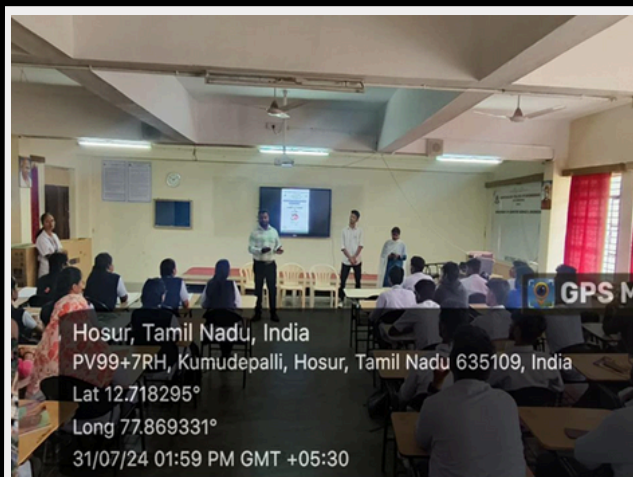
The Smart India Hackathon Orientation Program, took place on
16th Aug 2024 & 22nd Aug 2024
Dr. Fathima, Professor & Head/CSE, SPOC, Innovation Ambassador ACE, Hosur, is handling the orientation session to give insights on
SIH-24

Crafting Effective Solutions from Concept to Reality session held on 24th Aug 2024**.**
Dr. S. A. Pasupathy,
Zeekers Technology Solutions, guiding participants through the process of transforming concepts into effective solutions.

Inter/Intra Institutional Startup Competition was held
on 28th Aug 2024.
Dr. S. Sumathi, Professor & Head/ECE, Innovation Ambassador ACE, Hosur, conducted an insightful session.
The certificate conferral ceremony marked the successful completion of the Competition.

Alumni Lecture series on Roadmap to Career Success was organized on 31st Aug 2024.
The resource person
Mr. G. N. Radha Krishnan, Lead Analyst, CGI Bangalore, was honoured by
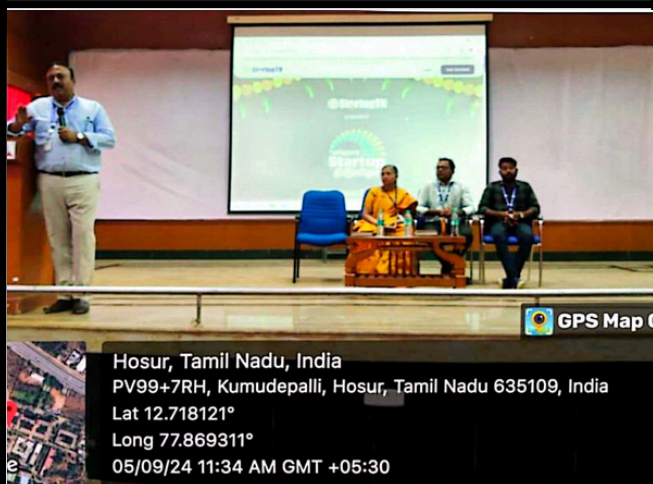**Dr. G. Fathima, HOD/CSE.**

The Internal Hackathon for Smart India Hackathon-2024, was organized on 2nd & 3rd Sep 2024.
The resource person
Mr.Rajkumar Kalaimani,
Senior Engineer –Altimetrik India Pvt Ltd, Chennai, **Dr. G. Fathima, HOD/CSE** distributed the certificates during the valedictory ceremony.

Expert talk on Internal Hackathon (A Way Forward for Innovation and Startup) organized in association with IIC
on 5th Sep 2024.
Mr. Dean IR /ACE addressed the gathering during the inaugural where
Dr. G. Fathima, HOD/CSE ,The resource person **Mr. Mohan,& Mr. Deepak,** Project Associates, Startup–TN
Hosur & Salem, were present.

Two-day All India Workshop on Exploring Automotive Innovation: A Journey through AR and VR,
organized on 12th & 13th Sep 2024.
Er. V. Selvaraj M.E., AMIE, Founder – MAKE LABS, Dr. G. Fathima, HOD/CSE
Issuing certificates
during the valedictory of the workshop.

Engineer's Day celebration was organized
on 16th Sep 2024.
Mr. S. Aravind, MSC, Technical Trainer, Web Developer, Chennai, and
Mr. G. Kishore, MSC, Web Developer, Designer, conducted the session in online and E-certificates were awarded to the winners.
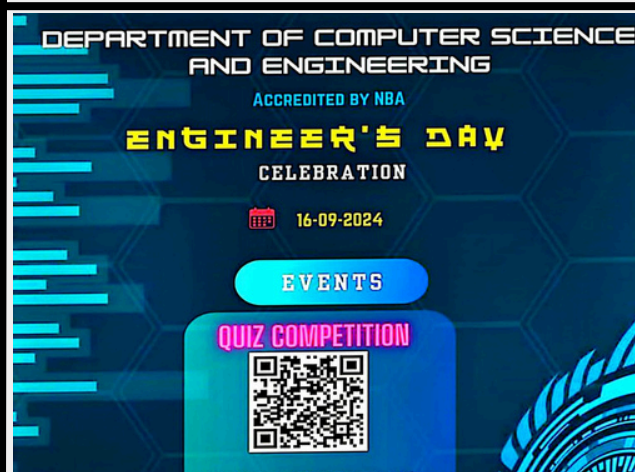
IDEAFEST-24
in association with IIC,
organized on 23rd to 24th Sep 2024.
students
while exhibiting their innovative ideas to
Er. V. Selvaraj M.E., AMIE, Founder – MAKE LABS,

Value Added Course on Design for Delight – Mastering FIGMA and Adobe XD,
organized
from 23rd to 27th Sep 2024
. Batch I: **Er. V.Selvaraj,** M.E., AMIE., Makelabs
Batch II **S.Lazarus Abraham** Makelabs.
Batch III: **V. Manikandan,** B.E.,
S. Mahalingam, B.Sc., Crud academy Pvt Ltd, Chennai conducted the session.

Value Added Course on Excel and Power BI for Data Analysis and Visualization,
organized from 30th Sept to 5th Oct 2024, **Dr. G. Fathima, HOD/CSE, Ms. Karthiya Banu and Mr. Aravind**, Inspire Softech Solutions, Chennai, during the inaugural.

Two-day Workshop on Industrial Applications of Machine Learning Techniques,
organized
from 26th to 27th Sep 2024,
**Dr. G. Fathima, HOD/CSE,
Mr. Srinath Devan,** Software Developer and Trainer, Networks Systems, Coimbatore, **Dr. M. Lilly Florence, Prof/CSE during** the inaugural of the workshop.

Workshop on Data Analytics using Power BI,
organized on 3rd & 4th Oct 2024.
In the commencement ceremony the organizer
Dr. G Fathima HOD/CSE honouring the resource person
Ms. Karthiya Banu and Mr. Aravind,
from Inspire Softech Solutions, Chennai.

World Students Day celebration,
organized on 15th Oct 2024,
The event aims to recognize and celebrate the contributions of students to education and society.
The awardees were felicitated during the ceremony by the organizer
Dr. G. Fathima, HOD/CSE.

Mastering AWS: A Step-by-Step Guide to Cloud Computing workshop, organized on 15th & 16th Oct 2024, **Dr. G. Fathima, HOD/CSE,** felicitated the participants with certificates during the valedictory function along with **Ms A. Ashwini Full stack developer ,JRM InfoTech, Hosur,**

Caring for you: A Talk on Menstrual Health and Self-Care event, organized on 18th & 19th Oct 2024. sponsored by Globalhunt Foundation. Ms. Harshita, delivering the online session.
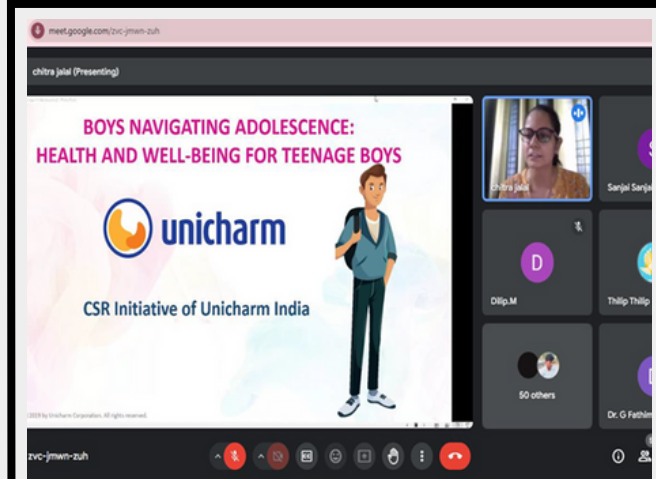
Navigating Adolescence: Health & Well-Being for Teenage Boys, organized on 19th Oct 2024. powered by Globalhunt Foundation. **Ms. Chitra**, delivering a session in online.

Alumni Lecture Series on AI-Powered Object Recognition in Augmented Reality, organized on 19th Oct 2024, the alumini **Ms. N. Nandhini,** Senior Software Engineer, Doodle Blue Innovation, Chennai, was honoured by **Dr. G. Fathima, HOD/CSE.**

Advanced Excel and Data Visualization corporate training for employees of First Steps Babywear Pvt. Ltd, organized on 23rd & 24th Oct 2024, **Dr.G.Ranganath, Director Dr. G. Fathima, HOD/CSE, Dr. M. Lilly Florence, Prof/CSE**, during the valedictory ceremony.

My Story - Motivational Session by Successful Innovators event, organized in association with IIC, on 26th Oct 2024, **Ms. Rackshana A** Cloud Support Associate Amazon Web Services Bangalore IIC, **Dr. G. Fathima, HOD/CSE** while introducing the alumni

Idea Revolution event organized on 28th October 2024, The students presenting their innovative ideas to the guest **Dr. T. Thilagavathy,** Professor & Head, ACE, Hosur, while

Alumni Lecture Series on Robotic Process Automation on 29th October 2024, **Mr. Padmasri Selvam,** Consultant Developer at Infogain India Private Limited, while delivering the lecture.

Workshop on Industry Insights and Career Opportunities
organized
on 16th November 2024,
Mr. Sunil Kumar, Senior HR at Neutrinos Software Solutions, Bangalore, delivering a session to the students.

Faculty Development Program on Cloud Essentials
organized
on 15th & 16th November 2024.
Mr. R. Anand Raj, Senior Cloud Solutions Architect & AI/ML Evangelist, as the resource person for faculty enrichment program.

Demo Day event
on 22nd November 2024.
The organizer
Dr. G. Fathima,HOD/CSE.
Dr. D. Banumathy, Associate Professor & Head, Paavai Engineering College, during the demonstration.

IGNITE'24 Startup Empowerment Initiative
on 28th November 2024.
Dr. R. Radhakrishnan Principal/ACE inaugurated the event, followed by a keynote address by **Mr. Prabakar M.V,** Founder & CEO of AI Tamilar Startup, Chennai.

Advanced Excel for Data Visualization workshop
on 28th & 29th Nov 2024
.**Dr. R. Radhakrishnan Principal/ ACE**
addressing thr gathering during the inaugural with
Mr. R. Anand Raj, Senior Cloud Solutions Architect & AI/ML Evangelist,
The organizer **Dr. G. Fathima,HOD/CSE ,**

World Computer Literacy Day,
organized
on December 3rd, 2024,
Dr. R. Radhakrishnan, Principal/ ACE
felicitated the participants with certificates during the valedictory function along with
Dr. G. Fathima, HOD/CSE,

Online Faculty Development Program on AI Applications in Banking and Healthcare,
Organized on December 12th-18th, 2024 in association with ExcelR in online
for faculty with crucial insights into the evolving role of AI

Next-Gen IT Innovation for a Successful Career session,
organized on 16th Dec 2024.
Dr. G. Fatihma, HOD/CSE honouring the resource person.
Feature industry experts
Mr. Manjunath Gunasekar, Consultant at Skill Galaxy, Hosur, and
Ms. Vidya Sivan, Founder of Vidiyal Mattress, Hosur.

JOURNELS PUBLICATIONS

Dr. G. Fathima, published a paper, "Detection of Parkinson's Disease on DaTSCAN Image Using Multi-kernel Support Vector Machine", on International Journal of Intelligent Engineering and Systems, May 2024.

Dr. G. Fathima, published a paper," Improving Access Trust in Healthcare Through Multimodal Deep Learning for Affective Computing, Human Centric Intelligent Systems" on Springer, Aug 2024.

CONFERENCES PUBLICATIONS

Dr. G. Fathima, presented paper titled "A Boost for Health: Blockchain-Powered IoT-BC Boosting in Wearable Health Devices" in international conference on "Industry 5.0 for Smart Healthcare Technologies:, 2024.

Dr. G. Fathima,   presented paper titled "CODEGEN: A React-Based Online Coding Workspace with Advanced Features and Real-Time Execution" in International Conference on Recent Trends in Computing & Communication Technologies (ICRCCT'2K24), 2024.

Dr. G. Fathima, presented paper titled "ISL (Indian Sign Language) Gesture to Speech with Multilingual Support" in International Conference on Recent Trends in Computing & Communication Technologies (ICRCCT'2K24), 2024.

Dr. G. Fathima, presented paper titled " A Detailed Description on Various Techniques of Edge Detection Algorithms" in Integrating Metaheuristics in Computer Vision for Real-World Optimization Problems, 2024.

Dr. G. Fathima, presented paper titled, "Smart Traffic Management: A Deep Learning Revolution in Traffic Prediction – A Review", in 2nd International Conference on Computer Vision and Internet of Things, 2024.

Dr. G. Fathima, presented paper titled "Exploring Predictive Models for Stress Detection: A Machine Learning Approach" in 5th International Conference on Image Processing and Capsule Networks (ICIPCN), 2024.

Mrs. V. Kalai Vani, presented paper titled "Smart Lab Log Maintenance System" in international Conference on Recent Trends in Computing & Communication Technologies (ICRCCT'2K24),2024.

Mrs. V. Kalai Vani, presented paper titled " Predicting Smartphone Addiction", in International Conference on Recent Trends in Computing & Communication Technologies (ICRCCT'2K24),2024.

Mrs. V. Kalai Vani, presented paper titled "Exploring Predictive Models for Stress Detection: A Machine Learning Approach", in 5th International Conference on Image Processing and Capsule Networks (ICIPCN), 2024.

Mrs. D. M. Vijaya Lakshmi, presented paper titled "A Mental Health Tracker" in International Conference on Recent Trends in Computing & Communication Technologies (ICRCCT'2K24), 2024.

Mrs. D. M. Vijaya Lakshmi, presented paper titled "Chronic Kidney Diseases Prediction Using K-Means Algorithm", in International Conference on "Recent Trends in Computing & Communication Technologies (ICRCCT'2K24), 2024.

Mrs. M. Malathi, presented paper titled "A Computer Vision-Based Method for Vehicle Speed Detection Using Video Footage" in International Conference on Recent Trends in Computing & Communication Technologies (ICRCCT'2K24), 2024.

Mrs. V. Meena, presented paper titled "A Machine Learning approach for Smart Community Tracking System Using Yolov3 Algorithm" in international Conference on Recent Trends in Computing & Communication Technologies (ICRCCT'2K24),2024.

Mrs. A. Lavanya, presented paper titled "Adaptive Learning Management System", in International Conference on "Recent Trends in Computing & Communication Technologies (ICRCCT'2K24), 2024.

Mrs. M. Kasthuri, presented paper titled "An Automated Exam hall management Application that allocates both seating arrangement for students and Invigilation of Supervisor" in International Conference on Recent Trends in Computing & Communication Technologies (ICRCCT'2K24),2024.

Mrs. M. Kasthuri, presented paper titled "Block Chain Technology in the Legal System: A Revolution in the Marketing" in CRIME AND MINDS, 2024.

Mrs. J.K. Jaya Kumari, presented paper titled "Smart Resume Builder and Evaluation System", in International Conference on "Recent Trends in Computing & Communication Technologies (ICRCCT'2K24), 2024.

Mrs. J.K. Jaya Kumari, presented paper titled "A Machine Learning Approach for Crop and Fertilizer Using Ensemble Model with XG Boost and Random Forest Algorithms", in International Conference on "Recent Trends in Computing & Communication Technologies (ICRCCT'2K24), 2024.

<u>Awards and recognitions</u>

15

- **Six students selected as Finalist in Grand Finale Smart India Hackathon held at Delhi.**

- **Four Received First Prize in International Conference conducted by Sairam College Of Engineering, Bengaluru**

- **One Received First Prize in National Conference conducted by Annapoorna College of Engineering, Salem**

- **Three Received Second Prize in Ideathon Competition conducted by Sairam College Of Engineering, Bengaluru**

- **Twenty Two students received First Prize (Basket Ball, Cricket, HandBall, Hockey) and Ten students Second Prize (Basket Ball, Badminton) in CM TROPHY**

<u>Participation in technical and cultural events</u>

- **560 students have completed NASSCOM Certification Course**

- **60 students have participated in International Conferences held in various colleges across Tamil Nadu and Karnataka.**

- **35 students have completed Infosys Spring Board Certification Course**

- **20 students have completed Skill India Certification Course**

CONGRATULATIONS
IV YEAR-BATCH 2020-2024

INDHUMATHI P
8TH SEMESTER
I TOPPER

LAVANYA.C 8TH
SEMESTER
II TOPPER

JEEVIKA R
8TH SEMESTER
III TOPPER

JOTHI SREE R
8TH SEMESTER
III TOPPER

LIKITHA R
8TH SEMESTER
III TOPPER

PRATHIKA L
8TH SEMESTER
III TOPPER

CONGRATULATIONS
III YEAR-BATCH 2021-2025

NIVEDHITHA
6TH SEMESTER
I TOPPER

DEEPESHA B
6TH SEMESTER
II TOPPER

DEEPTHI D
6TH SEMESTER
II TOPPER

DEEPIKA V
6TH SEMESTER
III TOPPER

CONGRATULATIONS
II YEAR-BATCH 2022-2026

GRISHMA.S
4TH SEMESTER
I TOPPER

MUHSEENA
4TH SEMESTER
II TOPPER

NAVYA.S
4TH SEMESTER
III TOPPER

"Education is the most powerful weapon which you can use to change the world." - Nelson Mandela

EDITORIAL BOARD