



MANUKULA VINAYAGAR

INSTITUTE OF TECHNOLOGY

An Autonomous Institution

Accredited by NBA, New Delhi and NAAC With 'A' grade
kalitheerthalkuppam, Puducherry-607001



BINARY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
MAGAZINE

APRIL-2024

VOLUME:14

ABOUT THE DEPARTMENT

The Department was started with an intake of 60 students in 2008; the sanctioned intake was increased to 120 seats in 2010, 180 seats in 2023 and 240 seats in 2024. The Department of Computer Science and Engineering has been continuously making progress in Teaching and **R & D** activities.

The Department focuses on preparing the students for a wide range of **IT** careers, equipping them with a unique enriching experience of molding tomorrow's technocrats with high caliber and commitment. The Department is well equipped with 180 Computer Systems with latest configuration and also has a separate Department Library with latest titles, editions, journals, magazines and also connected with internet facility. The Department organizes seminars, workshops and guest lecturers to enhance the technical skills of the students, so that they can face global competition.

The Department has entered into an MoU with IBM NIIT, CMC, Blue Lotus, RIPE, Innovative Services for software training and faculty development programmes, besides R&D activities. The software team of the Department has made laudable contribution by developing software for campus management, attendance help line and on-line test. Many of the students are well placed in leading software companies such as TCS, Infosys, Wipro, etc.

In CSE Department, Post Graduate M.Tech Programme has been started from the year 2012 with an intake of 18 students. In our first batch M.Tech Programme, all the 18 students have been passed in all the subjects and they have produced 100 % results. In CSE Department, a Department Internal Library is also functioning with 150 titles.



INSTITUTE VISION MISSION

VISION

To be a Globally reputed Technical Institution creating Competent leaders and Skillful innovators in Science, Technology and Management.

MISSION

IM1: Providing a dynamic and creative learning environment for its students to acquire exemplary technical, analytical, professional skills.

IM2: Imbibing a spirit of innovation and research among its students and faculty for solving critical problems.

IM3: Promoting Innovation, Employability and entrepreneurship skills through industry academia collaboration.

IM4: Serving the society through technical intervention and creating socially responsible Professionals.

DEPARTMENT VISION MISSION

DM1:To provide excellence in computer science and engineering education through innovative teaching and industry-aligned curriculum.

DM2:To nurture problem-solving capabilities and research competencies among students and faculty for addressing real-world computing challenges.

DM3:To foster industry collaboration by establishing a centre of excellence in emerging computing technologies, driving innovation and entrepreneurship.

DM4:To develop ethically computing professionals with leadership qualities, contribute to addressing societal challenges through technological innovations.

PROGRAM EDUCATIONAL OBJECTIVES

PEO1 Professional Excellence: Graduates will excel in the computing industry by exhibiting exemplary technical knowledge, analytical thinking, and imaginative problem-solving skills in emerging technologies.

PEO2 Sustainable Technology: Graduates will develop and deploy innovative solutions that address environmental sustainability, community challenges, and industrial demands.

PEO3 Entrepreneurship: Graduates will develop and demonstrate entrepreneurial skills to create successful technology ventures and lead organizational transformation.

PEO4 Ethical Leadership: Graduates will demonstrate ethical leadership in computing environments, promoting mentorship, collaboration, and knowledge sharing.

Programme Outcomes (PO)

PO1: Engineering knowledge: Apply knowledge of mathematics and science, with fundamentals of Engineering and Technology to be able to solve complex engineering problems related to Computer Science and Engineering.

PO2: Problem analysis: Identify, Formulate, review research literature and analyze complex engineering problems related to CSE and reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.

PO3: Design/development of solutions: Design solutions for complex engineering problems related to CSE 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.

PO4: 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.

PO5: Modern tool usage: Create, Select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to computer science related complex engineering activities with an understanding of the limitations.

PO6: 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.

PO7: Environment and sustainability: Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate the knowledge of, and need for sustainable development.

PO8: Ethics: Apply Ethical Principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9: Individual and team work: Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary Settings.

PO10: Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large such as able to comprehend and with write effective reports and design documentation, make effective presentations and give and receive clear instructions.

PO11: Project management and finance: Demonstrate knowledge and understanding of the engineering management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multi-disciplinary environments.

PO12: 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.

Programme Specific Outcomes (PSO)

PSO1: Foundation of mathematical concepts: Ability to apply the fundamental principles of mathematics in the field of computer science and engineering to provide optimal solutions.

PSO2: Foundation of Software and Business technology: To design, test and evaluate software in order to meet the requirements of end users and provide cutting-edge technologies for devising cost-effective solutions.

AWARDS & ACHIEVEMENTS





DR.S.PARISELVAM, PROF/CSE has received award for
Academic and professional excellence in Fellowship-2023,
Indonesia.





MRS.LYARALAKSHMI,AP/CSE received an honorarium on August 2023 for coordinating the Women Empowerment training cum placement program by DXC Technology and ICTACT academy.





**MR. R.SATHISH KUMAR AP/CSE, has received
honorary for Cyber Security training organized by ICTACT
on 16th November 2023**





project expo



111-Year CSE Student Participated and secured 2nd place in TechnoVIT at Vellore Institute of Technology in Chennai on Feb 19, 2024





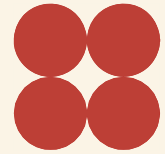
III-Year CSE Students Participated and secured 2nd place in
Mailam Engineering College



II-Year CSE students participated and won a consolation prize in the Software Track of SCIMIT-24 at Manakula Vinayagar Institute of Technology on February 28, 2024, as an internal participant!

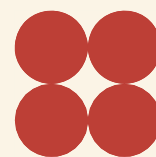


TECHNICAL AWARENESS PROGRAM & EXTENSION ACTIVITIES



YUVARAJA. M, SARATHI.S ,SABARI VADIVELAN. S
has been conducted an Technical Awareness program at Petit
Seminaire Higher Secondary School, Pondicherry on
01.02.2024

TECHNICAL AWARENESS PROGRAM & EXTENSION ACTIVITIES



ARTHI.A ,HARISRI. A,PAMITHA KOUSAR. T
has been conducted an Technical Awareness program at
Malar Matriculation Higher secondary school, Puducherry.
on 19.03.2024



CAREER GUIDANCE ACTIVITIES



Higher Education Awareness for Australia, New Zealand, USA, Canada, UK and Ireland.(Phase-1) by **Mr. Mohammed Adnan**, IDP manager- USA Chennai office to III CSE(A&B) Students.





Career Opportunities after GATE 2024 by Mr. Pabba Ramesh, ACE Engineering Academy, Chennai to III CSE(A&B) students.





COMMEMORATIVE DAYS CELEBRATION



Poster Presentation competition on Safer Internet Day dated on
06.02.2024



Poster presentation Competition on World water day dated on
22.03.2024



Project Expo Organized On National Technological Week on
4th May 2024



Project Expo Organized On National Technological Week on
13 May 2024 (Major Project Expo)

ARTWORK

2020





BY
JAYA PRIYAM.K
CSE b 2nd year



BY
Guru Prasad S
CSE b 2nd year



by
RETHIKA SRI.S.S
CSE b 2nd year



Joe



poems

VB





Nature Is Everywhere

Nature is everywhere.

Nature is everywhere you go.

**Everything that lives and grows
is nature.**

Animals

big and small.

Nature is plants that grow so tall.

Nature is beautiful in every way.

Wonderful, exciting

And needs our care.

**So listen, learn and do your part to keep nature
Beautiful forever.**

by

GOPINATHAN.M

CSE b 2nd year



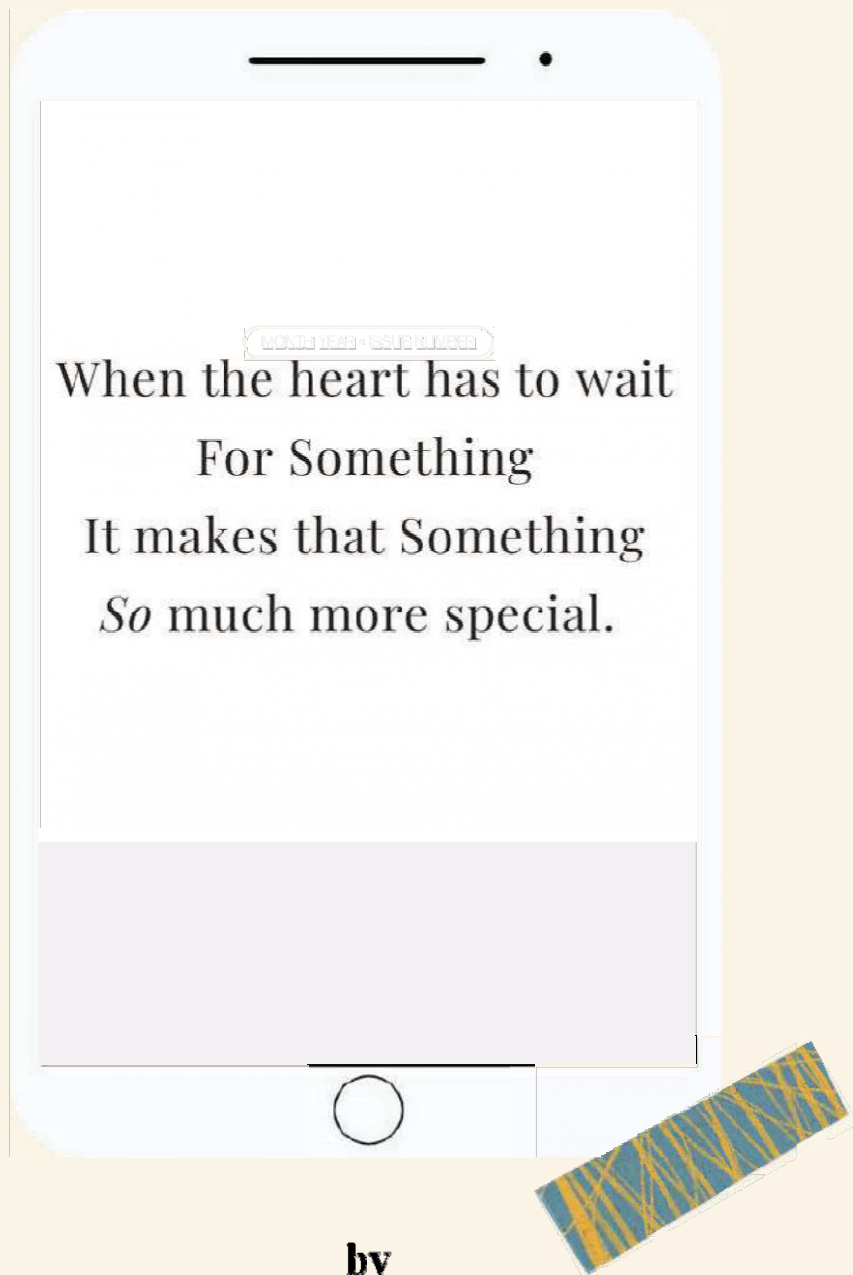
on the last day
of our stay
i finally understood
everybody's anger,
violence and love.
it was a broken house
that had finally turned
into a broken home.



by

SRIRAM.P

CSE b 2nd year



by
JAWAGARRAJA .S
CSE b 2nd year

INDUSTRIAL VISIT





Industrial visit for III year student in **CODEBIND
TECHNOLOGIES -2023**



**Industrial visit for IV year student in TWILIGHT
TECHNOLOGIES - 2023**

EDITORIAL MEMBERS

•!• Chief Editor

Janakiraman.S
IV -CSE-B

•!• Editor

A. Ashwin kumar
IV-CSE A

▪!▪ Members

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Polanath.M - IV CSE
Hariharan. V - III CSE
Bhuvaneswaran R - III CSE
Maha/akshmi. V - II CSE
Yuva □ S-11 CSE

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