



MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY

Approved by the AICTE, New Delhi - Affiliated to Pondicherry University
Accredited by NAAC WITH 'A' Grade and NBA (National Board of Accreditation)
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Greeting from
Department of Computer Science and Engineering

CAPTCHA



CSE NEWSLETTER

EDUCATE

EMPOWER

EXCEL

INTRODUCTION

It is with immense pleasure and proud, we are releasing the Third Issue of our department newsletter. This newsletter serves as a better forum and platform for showcasing the talents and achievements of both faculty and students. It carries the daily activities, news and important updates of the department. We assure you that this newsletter will be a new of its kind which portrays the growth of the CSE department in various fields.

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; and it was increased to 240 seats in 2025. 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 wide range of IT careers equipping them with 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 the Latest Titles, Editions, Journals, and 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 MoU with IBM NIIT, CMC, Blue Lotus, RIPE, Innovative Services for software training and Faculty Development Programs, besides R&D activities. The Students of the Department have brought out quite number of innovative projects such as Biometrics, MANET etc. 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 18 Students have been passed in all the Subjects and they have produced 100 % results. In the 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

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

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

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

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

To develop the overall personality of the students to mold them into good citizens with integrity and morality.

DEPARTMENT VISION AND MISSION

Vision of the Department:

To be a Centre of excellence in Computer Science and Engineering, nurturing innovative leaders equipped with global technological competencies

Mission of the Department:

M1: To provide excellence in computer science and engineering education through innovative teaching and industry-aligned curriculum.

M2: To nurture problem-solving capabilities and research competencies among students and faculty for addressing real-world computing challenges.

M3: To foster industry collaboration by establishing a centre of excellence in emerging computing technologies, driving innovation and entrepreneurship.

M4: To develop ethically computing professionals with leadership qualities, contribute to addressing societal challenges through technological innovations.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

Graduates of Computer Science and Engineering will

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.

DEPARTMENT ACTIVITIES



Department of Computer science and Engineering has Signed MOU on 26.02.25 with THIKSE Software Solutions



Dr. S. Heeravathi, Assistant Professor, Dept of EEE, SRM TRP Engineering college, Tiruchirappalli, Conducted Seminar on "Fundamentals of Research Design and Statistical Analysis" for III year students on 22nd Feb 2025



Awareness Program on Impact of Ragging conducted as Activities under POSH Cell by Department of Computer Science and engineering by Dr Ms.Poornima, Advocate, District court, Puducherry on 10th May 2025



Guest Lecture on “Navigating the startup journey from Ideation to Execution” held on 26.02.25 by Mr.Krishnakanth, founder &CEO,Thikse software solutions



Guest Lecture on Digital marketing strategies for emerging Entrepreneurs held on 22.03.25 by Ms.Risha Banu Digital marketing, manager Fusion software solutions



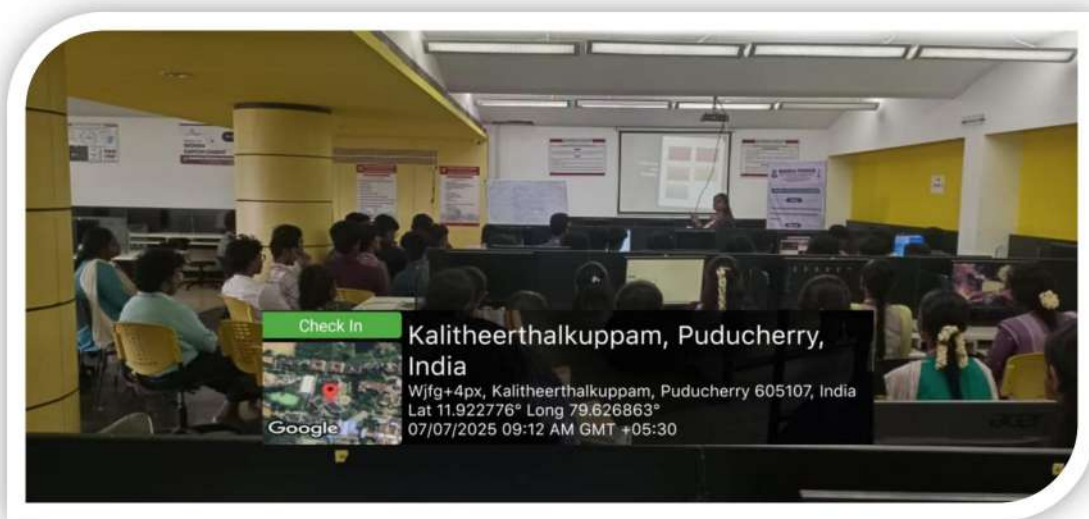
Workshop on “Mastering UML: A deep drive into starUML, ArgoUML and visual paradigm”, has conducted for the II year students on 8th February 2025 by Mrs.I.Varalakshmi, Associate Professor, MVIT, Puducherry



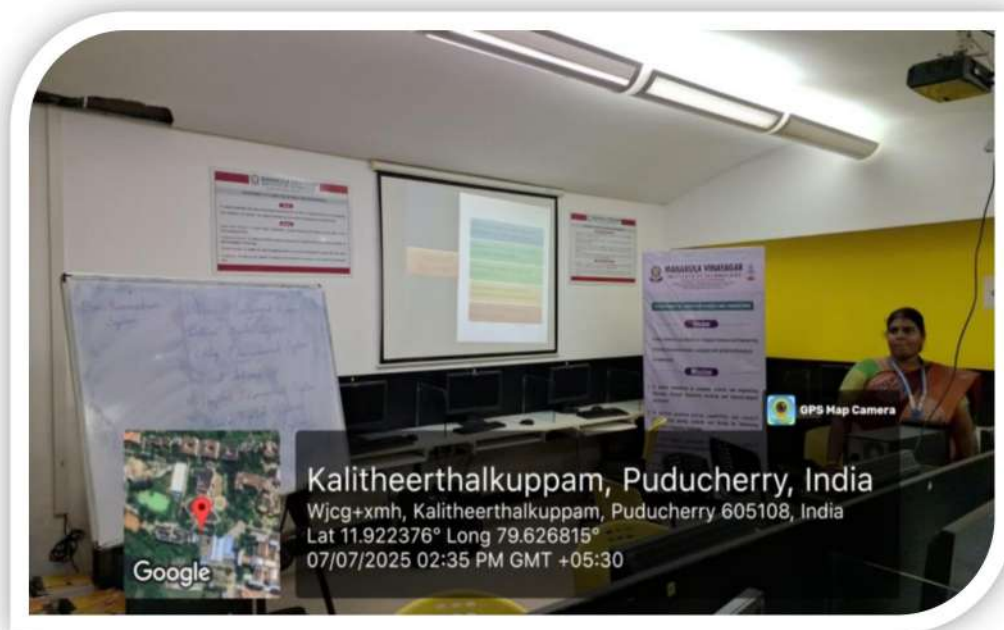
Orientation Session on “Innovation Unleashed: Engineering Ideas into Reality” has been conducted for III CSE A students by R.Indumathi, AP/CSE on 3rd July 2025



Session on “IPR and PATENT FILLING & COMMERCIALIZATION” has been conducted for III CSE B students by Dr.Jayakumar.M.E.,Ph.D on 2nd July 2025.



Guidelines Session on “Your Role In A Professional Learning Environment” delivered by R.Indumathi AP/CSE.



Guidelines Session on “Your Role In A Professional Learning Environment” delivered by P.Suganya,AP/CSE



IEEE Sponsored Guest Lecture on “DEVOPS: Builds and Run the CI/CD Pipeline” has conducted by Mr. Hariharan Virtusa, Chennai for the Final year students on 30th July 2025.



Orientation Session on “Orientation for the Industry 5.0 Era” has been conducted for department faculties by J.Jayapradha, AP/CSE on 7th July 2025



Workshop on “Research Methods and Scientific Writing-Next Gen Research Skills” has been conducted for Faculty members by R.Sathish Kumar, AP/CSE on 31st July 2025



II year A,B &C attended Guest Lecture on “Principles of Management for Young Professionals and Entrepreneurs “on 26.07.25 delivered by Mr.Krishnakanth from Thikse software solutions.



Seminar on“Passport to the World: Higher Studies Abroad” on 25th July 2025 by Mrs. D. Priyanka devi, Sree Ramanujar Intellect Services, Puducherry.



Language and Communication Skill Training on “From Sky to Shine: Master the Art of Communications” has conducted by **Dr.M.Jayekumar, Professor & Dean- Placement,MVIT**for the second year students on on **30.07.2025 & 31.07.2025**.



Quality Improvement program on Blockchain-Driven Quality Improvement in Digital Identity Management by **Srivaraparbandhan, technical head, TCS, Chennai QIP resource person** on **18.8.2025** for **III year students**



Workshop on “Network Simulation and Programming in NS2, Socket Programming and Protocol Analysis by Dr.B.Ezhilavan, VEI Technologies Chennai for the for the III year students from 31st July 2025

FACULTY ACTIVITIES

- I.Varalakshmi has published a journal entitled **“Design and Analysis of Energy Consumption using Machine Learning Resource Allocation on Mobile Gadgets ”** in the International Journal of Computing and Digital Systems, April 2025 .
- R. Sathishkumar has published a journal entitled **“Enhanced Autism Prediction Using YOLO V11 And Random Forest on Clinical Data”**, in the African Journal of Biomedical Research, Dec 2024.
- J.Jayapradha has published a journal entitled **“A Block Chain Based Application System for Finding and Eliminating Fake Products and Counterfeit”** in the Journal of Neonatal Surgery, May 2025.
- J.Jayapradha has published a journal entitled **“Deep Learning Combined with a technique for detecting viruses in PDFs and URLs”** in the Journal of Neonatal Surgery, May 2025
- D.Mohanapriya has published a journal entitled **“Sign Language to text and speech conversion”** in the Journal of Information Systems Engineering and Management, March 2025.
- D.Mohanapriya has published a journal entitled **“Revolutionizing Travel Efficiency with Artificial Intelligence and Automation”** in the Journal of Information Systems Engineering and Management, March 2025
- D.Mohanapriya has published a journal entitled **“Federated Learning and Biometric Identification for Continuous User Authentication Using Hybrid Neural Models”** in the Journal of Information Systems Engineering and Management, March 2025.
- R.Indumathi has published a journal entitled **“Deep Learning Approaches for Marine Oil Spill Detection and Monitoring”** in the Journal of Information Systems Engineering and Management, March 2025.
- R.Indumathi has published a journal entitled **“Deep Learning-based Chest X-Ray Analysis for Early Lung Disease Detection”** in the Journal of Information Systems Engineering and Management, March 2025 .

- R.Indumathi has published a journal entitled **“Braille in Digital Age: For Better Communication”** in the Journal of Information Systems Engineering and Management, March 2025.
- P.Suganya has published a journal entitled **“A Block Chain Based Application System for Finding and Eliminating Fake Products and Counterfeit”** in the Journal of Neonatal Surgery, May 2025 .
- P.Suganya has published a journal entitled **“Sustainable Crowd Funding Solutions Using Blockchain Technology”** in the Journal of Neonatal Surgery, May 2025 .
- G.Sharmila has published a journal entitled **“Automated Classification of Liver Disease stages and Tumor Detection using hybrid deep learning Techniques”** in the Journal of Information Systems Engineering and Management, April 2025.
- G.Sharmila has published a journal entitled **“Decentralized And Adaptive Blockchain Based Offline Payment System Using Hardhat and Ethereum”** in the Journal of Information Systems Engineering and Management, April 2025.
- S Balaji has published a journal entitled **“Blockchain and AI based Medical Record Analysis for Bone Fracture on Cloud Environment”** in the in the Journal of Neonatal Surgery, May 2025.
- S.Boovaneswari has published a journal entitled **“Optimized Deep Learning Approach For Dermatological Condition Classification Using Efficient Net”** in the in the Journal of Metall. Mater. Eng., May 2025
- S.Boovaneswari has published a journal entitled **“ Efficiently Identifying Fake Audio And Images Using Transfer Learning”** in the Journal of Metall. Mater. Eng., May 2025
- U.R.Padma has published a journal entitled **“Unyielding Integrity & Safeguarding In Digital Forensics Through Blockchain Integration”** in the African Journal of Biomedical Research, March 2025.
- N.Arikaran has published a journal entitled **“Heart Attack Risk Prediction Using Retinal Eye Images Based on Machine Learning and Image Processing”** in the in the Journal of Neonatal Surgery, May 2025.
- N.Arikaran has published a journal entitled **“Efficient Machine Learning Pipeline Automation Using Tpot And Pycaret”** in the in the Journal of Neonatal Surgery, May 2025.
- S.Logeshwari has published a journal entitled **“Enhancing Upi Transaction Security: A Deep Learning Approach For Fraud Detection”** International journal of science, engineering and technology, April 2025.
- Dr.S.Pariselvam and Mrs.I.Varalakshmi presented a paper entitled **“HASA : Hybird Adaptive signature and Anomaly Detection using Machine Learning Techniques ”** in IEEE International Conference on (ICGAI-25) on 2025.
- Dr. S. Pariselvam presented a paper entitled **" Enhanced Early Parkinson's Disease Detection Using Resnet-101 based on MRI images "** in IEEE International Conference on System Computation Automation and Networking on 2025.
- Varalakshmi presented a paper entitled **"Ransomware Detection Using Quantum Neural Networks"** in IEEE International Conference on System Computation Automation and Networking (ICSCAN'24), on 2025
- D.Mohanapriya presented a paper entitled **“Cardiomyocardium MRI Image Segmentation Using deeplabv3 and Resnet for Early Detection”** in (ICAIS 2025) on 2025
- R.Indumathi presented a paper entitled **“AI-driven chest x-ray diagnostics efficient lung disease classification”** in (ICDSBS'25) on 2025

- G. Sharmila and I. Varalakshmi presented a paper entitled "**Attendance Management System Using Haar Cascades and MTCNN Algorithm**" in IEEE International Conference on System Computation Automation and Networking on 2025.
- G. Sharmila and I. Varalakshmi presented a paper entitled " **Securing Human Area Network with Redtacton Technologies** " in IEEE International Conference (ICSCIS-2025) on March 2025 .
- R. Sathishkumar presented a paper entitled "**Multimodal Deep Learning for Precise Lung Pathology Discrimination**" in IEEE International Conference on System Computation Automation and Networking, on 2025.
- R. Sathishkumar presented a paper entitled "**Enhancing Eye Health Diagnosis through Deep Transfer Learning: Unveiling Insights from Low-Quality Fundus Images**" in IEEE International Conference on System Computation Automation and Networking , on 2025.
- D. Mohanapriya and R. Indumathi presented a paper entitled "**Smart Travel Solutions Harnessing Artificial Intelligence for Optimal Route Efficiency**" in IEEE International Conference on System Computation Automation and Networking on 2025.
- R. Indumathi presented a paper entitled "**Advanced Braille-Based Communication Using Assistive Technology**" in IEEE International Conference on System Computation Automation and Networking (ICSCAN'24), on 2025
- S. Balaji presented a paper entitled "**Knee Osteoarthritis Based X-Ray Images Detection and Classification Using RCNN**" in IEEE International Conference on System Computation Automation and Networking (ICSCAN'24), on 2025
- S. Balaji presented a paper entitled "**Blockchain and AI-Based Medical Record Analysis for Bone Fracture on Cloud Environment**" in IEEE International Conference on System Computation Automation and Networking on 2025
- P. Suganya presented a paper entitled "**AMBU-BOT: Effective Accident Preventive System Using IoT**" in IEEE International Conference on System Computation Automation and Networking on 2025.
- N. Arikan presented a paper entitled "**Deep Learning-Based Cervical Cancer Detection mUsing Hunter Prey Optimizer Algorithm**" in IEEE International Conference on System Computation Automation and Networking on 2025.
- N. Arikan presented a paper entitled "**An Improved Multiscale Faster R-CNN Based Lung Cancer Detection System**" in IEEE International Conference on System Computation Automation and Networking on 2025.
- N. Arikan presented a paper entitled "**Tomato Leaves Disease Detection Using Gray Level Co-occurrence Matrix (GLCM) and Image Processing Techniques**" in IEEE International Conference on System Computation Automation and Networking on 2025
- J. Jayapradha presented a paper entitled "**Computer Vision-Based Enhanced Traffic Management System Using YOLO**" in IEEE International Conference on System Computation Automation and Networking on 2025.
- Mrs. J.Suganthi presented a paper entitled " **NFT based certification system for digital artwork using polygon blockchain** " in (ICDSBS'25) on 2025.
- Mr. C.Saravanan presented a paper entitled "**Intelligent Water Management System utilizing AI for Precision Agriculture**" in IEEE International Conference on System Computation Automation and Networking on 2025
- Mrs .P.Suganya presented a paper entitled " **Forecasting Mental Health Instability Using Deep and Machine Learning Techniques** " in IEEE International Conference in ACN on 2025
- Mrs.D.Mohanapriya and Mrs.R.Indumathi has published a book chapter entitled “**CardioMyocardium MRI Image Segmentation Using DeepLabv3 and ResNet for Early Detection**” in Springer book series on May 2025.
- Mrs.J.Jayapradha has published a book chapter entitled “**Convolutional Neural Network Architecture for Accurate Plant Classification**” in CRC Press book series on January 2025
- Mrs.S.Boovaneswari has published a book chapter entitled “**Convolutional Neural Network Architecture for Accurate Plant Classification**” in CRC Press book series on January 2025
- Mr. C.Saravanan has published a book chapter entitled “**Convolutional Neural Network Architecture for Accurate Plant Classification**” in CRC Press r book series on January 2025

STUDENT ACTIVITIES



Sivaraj , Jupiter and Joel raj from II year CSE won 3rd place in Hackathon competition

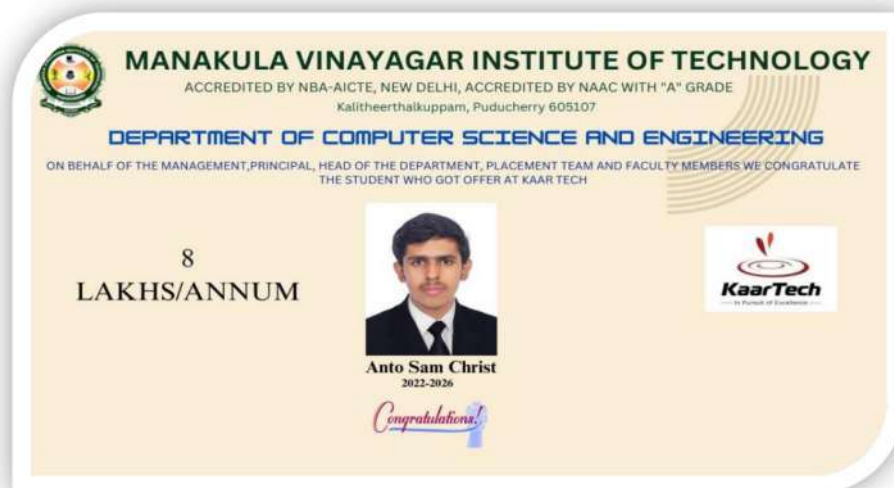
CASTILO 25 at MVIT, Puducherry



Yuvaraja and Harish from III Year CSE won 1st Place in Coding Contest on 19/04/2025 at
Auroville Institute of Applied Technology (AIAT)

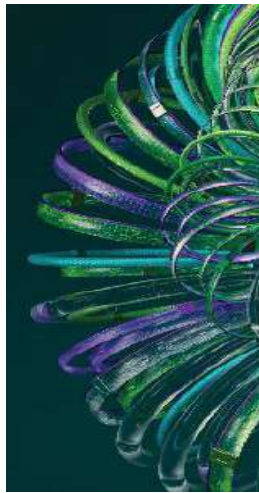


A.Adhil and M.Leo Benedict from III year CSE won 2nd prize in Fusion Frames, UI/UX competition at
National Institute of Technology, Karnataka



Anto Sam Christ A of Final Year CSE has Placed in Kaar Technology on 09.06.2025 with
the Salary Package of 8 Lakhs/Annum.

Om Prakash S, Logeshwaran U, Gayathri G, Uvarajan D of Final year CSE were placed in Hexaware with a salary package of 4 LPA in the drive conducted on 12th July 2025.



unisys innovation program

Certificate of Appreciation

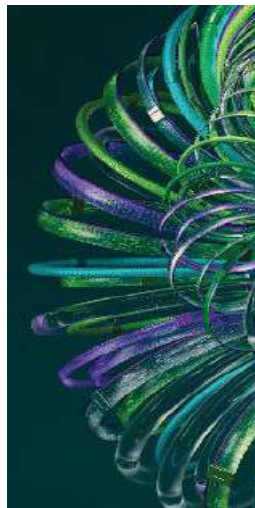
Unisys India proudly recognizes

Sarathi S

as a Pre finalist from **Manakula Vinayagar Institute Of Technology**, for participating in the project **AI Powered Legal Document Analysis And Autonomous Contract Drafting** at the Unisys Innovation Program Year 16.

Sumed Marwaha
Managing Director,
Unisys India

Date: May 30, 2025



unisys innovation program

Certificate of Appreciation

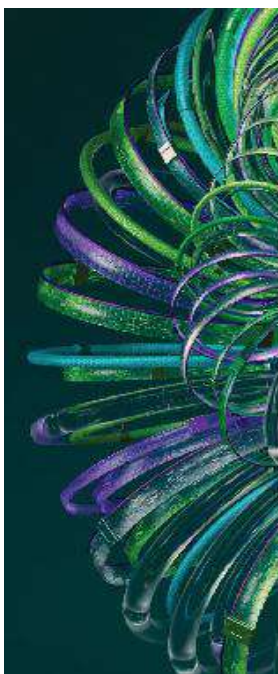
Unisys India proudly recognizes

ANTO SAM CHRIST A

as a Pre finalist from **Manakula Vinayagar Institute Of Technology**, for participating in the project **AI Powered Legal Document Analysis And Autonomous Contract Drafting** at the Unisys Innovation Program Year 16.

Sumed Marwaha
Managing Director,
Unisys India

Date: May 30, 2025



unisys innovation program

Certificate of Appreciation

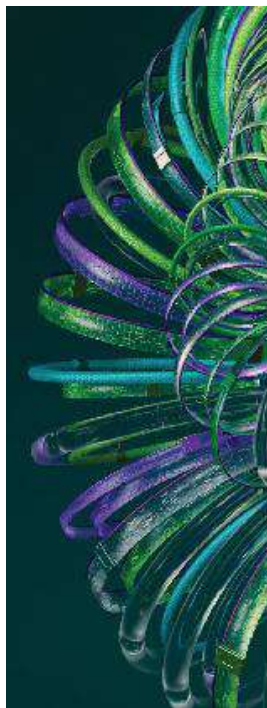
Unisys India proudly recognizes

Uvarajan D

as a Pre finalist from **Manakula Vinayagar
Institute Of Technology**, for participating in the
project **AI Powered Legal Document Analysis
And Autonomous Contract Drafting** at the
Unisys Innovation Program Year 16.

Sumed Marwaha
Managing Director,
Unisys India

Date: May 30, 2025



unisys innovation program

Certificate of Appreciation

Unisys India proudly recognizes

Sabari Vadivelan S

as a Pre finalist from **Manakula Vinayagar
Institute Of Technology**, for participating in the
project **AI Powered Legal Document Analysis
And Autonomous Contract Drafting** at the
Unisys Innovation Program Year 16.

Sumed Marwaha
Managing Director,
Unisys India

Date: May 30, 2025

Anto Sam Christ A , Sarathi S, Sabari Vadivelan S and Uvarajan D of Final Year CSE
has Participated in the Project - AI Powered Legal documents analysis and Autonomous
contract drafting at the Unisys innovation program and were shortlisted for Final Round of
Interview on 10th June 2025.



Sharath V of Final Year CSE has got Internship Offer for Junior Game Developer at Unity and Unreal Engine on 26th June 2025.



Nivetha S of Final Year CSE got Internship Offer in TCS from 23rd June 2025 to 20th August 2025.



Internship Offer Letter

Ref: TCSL/AAG-2024-25/Project/CT20234247125

Date: 20-Jun-2025

Ragul S
Sri Manakula Vinayagar Engineering College
ragulture75@gmail.com

Dear Ragul S,

Sub: Internship Offer

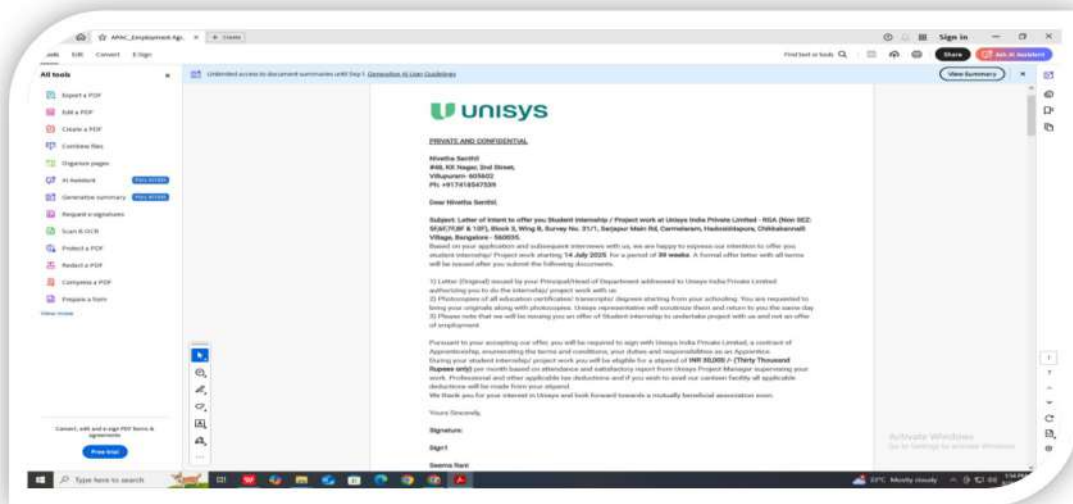
We are pleased to offer you internship in Tata Consultancy Services (TCS) with the following terms and conditions:

1. The tentative start date is 23-Jun-2025 and end date is 20-Aug-2025. These dates can be changed in discussion with the Project Guide
2. You will be assigned a Project Guide under whose supervision you will work on the project assigned to you.
3. You shall complete your project in accordance with the requirements and guidance of the TCS Project Guide, and maintain qualitative standards as required. You will maintain the discipline, dignity, honor and goodwill of TCS.
4. The arrangement is not that of an employer and an employee and as such you shall not be eligible to any allowances or other benefits as may be available to the employees of TCS.
5. You will observe the rules & regulations and discipline of TCS, and also maintain complete confidentiality and secrecy of the matters pertaining to TCS and/or any data that has been provided to you in the course of your project work. The detailed terms of Confidentiality, Data and Intellectual Property Protection are enclosed as Annexure A. You will be permitted to attend any classes in the college / university at the discretion of the Project Guide if so called for during the period of your project assignment.
6. On completion of your internship you will be required to submit a copy of your project report, which will be the sole property of TCS.
7. You shall not undertake any internship in parallel with this internship
8. In the event of any misconduct or breach of terms of this internship on the part of the Intern during the internship period, TCS reserves the right to terminate internship without any notice.
9. This offer of Internship will be governed as per the Laws of India.

TATA CONSULTANCY SERVICES

Tata Consultancy Services Limited
YANTRA PARK, OPP. VOISSE HIND TIRU, CHENNAI, CHENNAI-600008, TAMIL NADU INDIA. Z. PHONE (VORE) 400 601 1000
Tel +91 22 6778 2000/2222 Fax +91 46 6778 2180 website: www.tcs.com
Registered Office: TCS Building, 1st floor, Narayan Point, Chennai-600 021

Ragul S of Final Year CSE got Internship Offer in TCS from 23rd June 2025 to 20th August 2025.



Nivetha S of Final Year CSE got Internship Offer in UNISYS from 14th July 2025 to 13th April 2026 with stipend Rs.30000/-



KAUSHIKAA.K of Second Year , CSE -B' Section got Second Prize in Speech Competition "Emphasize skill development in shaping the future of Young Professionals"



HASHWIN RAJ of Second Year , CSE -'B' Section got Third Prize in Table Tennis National Level Championship on "Special olympics Bharat" held at Chandigarh, New Delhi



SHALINI D of Second Year ,CSE-‘C’ Section got **FIRST PLACE** in World Hepatitis Day Speech Competition held on 31-07-2025.



SARAH CHRISTIANA S of Second Year ,CSE-‘C’ Section got **THIRD PLACE** in World Hepatitis Day Speech Competition held on 31-07-2025.



SARADHAMBAL ALIAS SARADHA of Second Year, CSE-‘C’ Section got **THIRD PLACE** in World Hepatitis Day Poster Presentation held on 31-07-2025.

Chief Editor:

Dhilip. R- IV CSE A

Editor:

Adhithiya S- - III CSE A

Members

Ramya .V– II year CSE
S Reshma– II year CSE
Adhil A– II year CSE
Leo benedict M– II year CSE
Balaji.G– II year CSE
Barath.K– II year CSE
Ashwin .R– II year CSE
Ramya .V– II year CSE

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