Chettinad
College of Engineering & Technology
Approved by AICTE-New Delhi and Affiliated to Anna University-Chennai.

Quantum Quill

Department of CSE

Magazine

NH-67, Karur - Trichy Highway, Puliyur CF, Karur. Tamil Nadu. Pin:639114

Mobile : +91 93450 02630   Web : chettinadtech.ac.in

Table of Contents

Principal's Desk

I congratulate the department of Computer Science and Engineering for releasing their maiden Department Magazine "Quantum Quill", which culminates all the activities, achievements and accolades of the department. I appreciate the editorial board for the same. I urge the department to bring out the best from each student and mentor them to become a successful Engineer with a good academic score, exposure and placement. Best wishes again.

– Dr. A. Punitha, Principal

HoD's Desk

We aim to empower students with knowledge, practical skills, and good values, making them confident and capable individuals. To accomplish this goal, we've organized several workshops, value-added courses, project contests, and cultural competitions for students alongside their regular studies. This magazine showcase the diverse talents of our department's students and highlight the achievements of both our faculty and students. I extend my congratulations to all the faculty and students in our department who contribute to making this happen. I also want to express gratitude to our management, principal and Admin officer who consistently motivates and supports us in organizing various activities to enrich our students.

– Dr. R. Punithavathi, HOD/CSE

About The Department

The Department of Computer Science and Engineering (CSE) blossomed in the year 2007 with an intake of 60 students. The department is equipped with a team of well qualified and experienced faculty to improve and enrich the knowledge of the student community.

The department has excellent computing facilities which includes Intel® Core™ i9 processor with 16 GB RAM, scanners, high end servers, laser printers etc. with round the clock internet connectivity at the speed of 50 mbps. The theoretical knowledge of students is augmented with hands on training that enable them to assemble computers, interface with peripheral devices and troubleshoot. The department is committed to developing quality computer engineers and strives for excellence. The department has signed MOUs with companies such as Oracle, IBM and Cisco. The objective of these MOUs is to bridge the gap between academia and industry. Every year the industry recognizes the department's outstanding students by giving the "Best Student" and "Best Project" awards.

1. Vision & Mission of the Department

✓ Vision

- To develop competent and responsible Engineers to meet the current challenges of modern computing industries

✓ Mission

- To build competencies in advanced computing technologies through project based learning

- To collaborate with industry for research projects and consultancy

- To inculcate the spirit of teamwork, innovation and entrepreneurship among the students

3. Program Educational Objectives (PEOs)

- Apply their technical competence in computer science to solve real world problems, with technical and people leadership.
- Conduct cutting edge research and develop solutions on problems of social relevance.
- Work in a business environment, exhibiting team skills, work ethics, adaptability and lifelong learning.

4. Program Specific Outcomes (PSOs)

- Exhibit design and programming skills to build and automate business solutions using cutting edge technologies.
- Strong theoretical foundation leading to excellence and excitement towards research, to provide elegant solutions to complex problems.
- Ability to work effectively with various engineering fields as a team to design, build and develop system applications.

Academic Highlights (Odd Semester)

Anna University Apr/May 2023 Result....

I Year CSE - 51/60 = 85 Pass %

II Year CSE - 48/58 = 82.75 Pass %

III Year CSE - 52/59 = 88.14 Pass %

IV Year CSE - 50/57 = 87.71 Pass %

Department Over all Pass % = 200/233 = **85.83%**

Class Toppers

Ist Year CSE		II$^{'nd}$ Year CSE	
Name	CGPA	Name	CGPA
N. Tharshini	9.36	T. Sarmila	8.60
G. Mohamed Asmathulla	8.67	M. Kishore	8.60
R. Karthika	8.64	M. Logashri	8.50
		P. Jeevitha	8.50

III$^{'rd}$ Year CSE		IV$^{'th}$ Year CSE	
Name	CGPA	Name	CGPA
K. Dharani	8.69	M. Kothai Malar	8.86
S. Anish	8.60	R. Sanjai	8.40
K. Ramya	8.20	R. Sabarishvaran	8.23

I Year CSE - 50/59 = 84.74 Pass %

II Year CSE - 48/58 = 82.75 Pass %

III Year CSE - 52/59 = 88.14 Pass %

IV Year CSE - 50/57 = 87.71 Pass %

Department Over all Pass % = 200/233 = **85.83%**

Class Toppers

Ist Year CSE		II'nd Year CSE	
Name	CGPA	Name	CGPA
N. Tharshini	9.36	T. Sarmila	8.60
G. Mohamed Asmathulla	8.67	M. Kishore	8.60
R. Karthika	8.64	M. Logashri	8.50
		P. Jeevitha	8.50

III'rd Year CSE		IV'th Year CSE	
Name	CGPA	Name	CGPA
K. Dharani	8.69	M. Kothai Malar	8.86
S. Anish	8.60	R. Sanjai	8.40
K. Ramya	8.20	R. Sabarishvaran	8.23

Value Added Course

1. Three Days Value Added Course on DevOps

The Department of Computer Science and Engineering conducted a Three Days Value Added Course with hands on Training in "DevOps" for our III year CSE Students.

The session was handled by the internal Resource Person Mr. R. Rajkumar ASP/CSE, from 22.01.2024 to 24.01.2024. The course includes DevOps terminology, definition & concepts and understand the different Version control tools like Git, Github. The students had a hands-on experience on the concepts of Continuous Integration, Configuration management, Continuous Testing, Continuous Deployment using Jenkins. At the end of the course, the students can able to handle various DevOps tools like Jenkins, Ansible, Gradle and Maven.

2. Three Days Value Added Course on Full Stack Development Module – 1
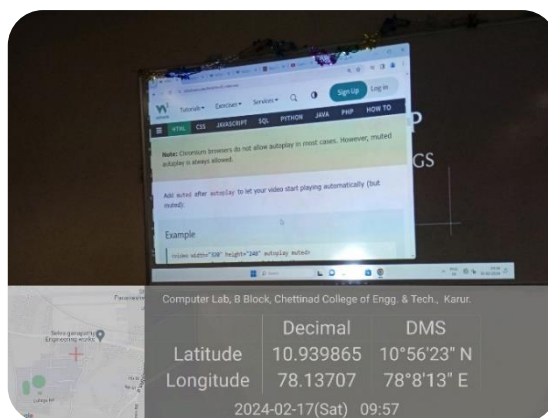
The Department of Computer Science and Engineering has organized a Three days value added course on Hands-on training Course on "Full Stack Development Module – 1" the three days from 15.02.2024 to 17.02.2024 for 2nd Year CSE Students.

Course Includes:

First day covered HTML Elements, Attributes, Text Formatting, Images, Links, Favicon, Tables, List and HTML Div Element. Class Attribute, Layout, Forms, Elements and Attributes.

Second day covered HTML Input Types, Attributes, Graphics, Media, APIs, Links, Tables, CSS opacity, Navigation Bar, Dropdowns, Image Gallery, Forms, Animations, Buttons, Pagination

Third day covered SQL Commands: DDL, DML, DCL, TCL, DQL & Database connection: Frontend and Backend. Sign was handled by Mr. R. Rajkumar, ASP/CSE & Ms. C. Sangeetha, AP/CSE. The students can able to design a web application by connecting a database.

3. Three Days Value Added Course on PHP with MySQL (Full Stack Development Module – II)

The Department of Computer Science and Engineering conducted a Three Days Value Added Course with hands on Training in **"Full Stack Development Module – II"** for our I year CSE Students.

The session was handled by the internal Resource Persons Mr.B.Sathishkumar, ASP/CSE & Ms.C.Sangeetha, AP/CSE, Dr.T.Gobinath, AP/CSE from 27.02.2024 to 1.03.2024. The course covered the foundation of PHP and MYSQL. The students had a hands-on experience on HTML Form design, Form validation with CSS. The students can able to design various application forms with validation and with database connectivity for different applications. At the end of the course, the students can able to design a responsive and interactive website with database connection.

Technical Events

1. Mini Project Expo'24

Mini project was conducted in our Chettinad College on 6th April, 2024. Our Computer Science and Engineering students innovated new ideas and made a creative project upon their domain. Our third Year and Final Year Students won and got a cash prize. All our students' ideas were very useful and innovative upon their domains. The purpose of the mini-project is to allow you to explore the breadth of research that is being performed within the college. The mini project exhibition showcased an impressive array of innovative and creative projects created by the students. The event provided an excellent platform for students and faculty to witness the culmination of hard work, creativity, and innovation in diverse fields.

| Team	Team Members	Year	Title of the Project	Prize
1	1. Mathan Raj M 2. Giriraaj L 3. Karthikeyan M	III	co-Sense: An AI and IoT Enabled Smart Waste Management System for Sustainable Environment	1st
2	1. Ragul K 2. Pranav Jeyan V 3. Muthuannammalai S V	III	IOT using smart Eco vehicle Detction	2nd

2. Emerging Start-up

• An extraordinary moment to unveil the innovative ventures of our student entrepreneurs! With passion, ingenuity, and relentless determination, these start-ups have come to life. These remarkable young minds shape the future of entrepreneurship. Celebrating the launch of our student start-up companies and their bold pursuit of excellence.

"Where Innovation Meets Inspiration at Pixfect"

Under the aegis of Karthick Raja V, Mohamed Irfan ST, Logeshwaran D, Dhanush Kumar R, Prince Infant A, Parthiban V, Syed Liyas Aziz S, Harish, Kumar RS, Gurumoorthy V, Iniyavan M, Kartheeswaran M, Santhosh S

Description about Pixfect

At Pixfect, we're not just a service provider; we're your partners in bringing your vision to life. With a diverse range of offerings, we cater to your every digital need, ensuring that your brand stands out in a crowded digital landscape.Unlock creativity with Pixfect! From web and app development to logo design and IoT automation, we bring your ideas to life. Experience innovation, craftsmanship, and excellence in every pixel.
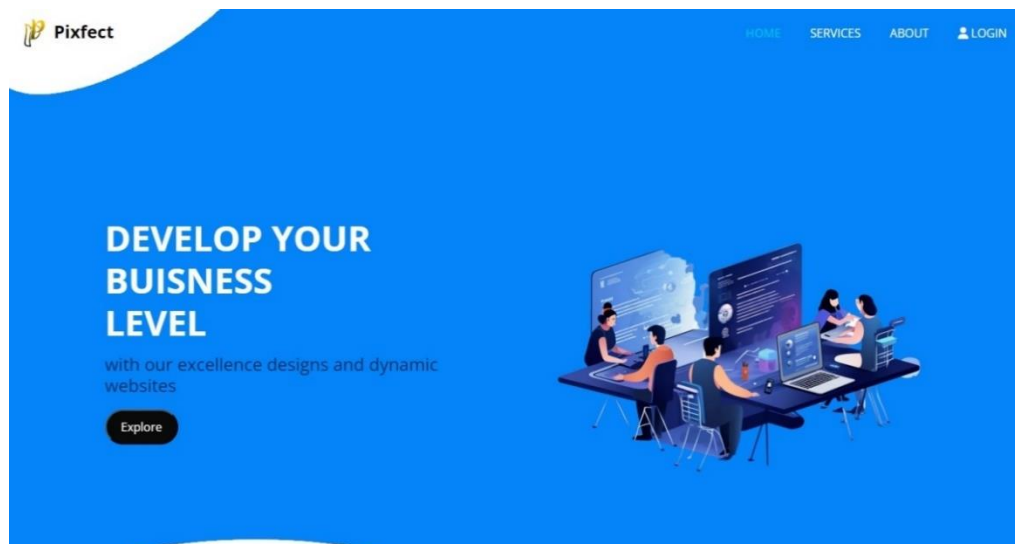
3. Add On Courses completion

"We are pleased to recognize **Jayasimma. D of II year CSE** for successfully completing the add on courses in

1. Django

2. Node.js

3. React

4. Api Fundamentals

5. Front end development in CSS
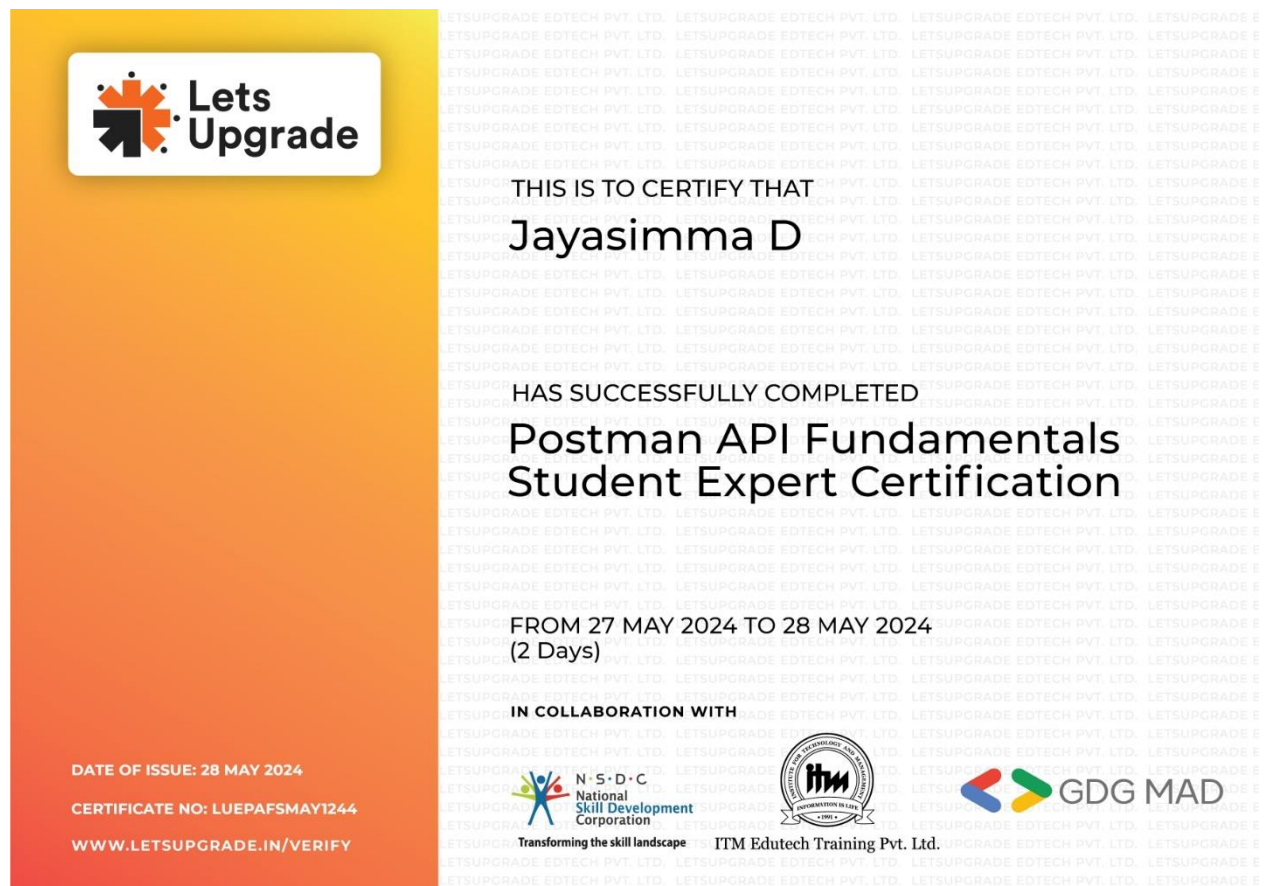
"We are pleased to recognize **Kishore.M** of II year CSE for successfully completing the value-added courses in

1. IBM Cognitive class: Python for data science
2. Perfect plan: Android fundamentals
3. TCS iON: course on communication skills
4. Letsupgrade: Course on building Email spam detector
5. Python Programming Essentials Bootcamp
6. Java Programming Essentials Bootcamp
7. SQL Essentials Bootcamp

"We are pleased to recognize students for successfully completing the additional courses in

1. Great Learning : "what is IOT" - **Karthick Raja. V** of II year CSE

2. Great Learning : "JAVA" - **Mohamed Irfan. S.T** of II year CSE

3. Novi Tech – "Full stack in JAVA"- **Mohamed Asmathulla. G** of I year CSE

This achievement reflects students dedication to continuous learning and commitment for enhancing their skills.

"Congratulations on this noteworthy accomplishment!"

4. Project works

Selected for excellence: students project reflects their talent and commitment to making a difference

In Yi-Yuva, students have been selected as finalists among the top 30 at the **national level**.In the topic of **"AI smartbins for sustainable environment"**

Mathan raj. M

Giri raj. L

Karthi kayan. M

Students have been selected as semifinalists among the top 100 at **TNCPL** in the event"**GUVI**"

Gokul. N.L

Aravindh. T

Students have been selected as finalists among the top 50 at the **state level**. In the topic of **"Ecosense-AI driven waste management using image reorganization"**

Mathan raj.M

Giri raj.L

Karthi kayan.M

Gokul.N.L

5. Student's Contribution

Our Third year CSE Students developed a web application named College Library Management System a module which has been included in our college website. This application helps librarian to maintain the database of new books and the books that are borrowed by members along with their due dates.

by,

U. Hemasundar

M. Mathan Raj

L. Giriraj

Our Third & Final year CSE Students developed a web application for Brahmastra 23 National Level Technical Symposium. The website includes facilities like Various Event Registration, Fee payment, etc.

By,

U. Hemasundar

M. Mathan Raj

L. Giriraj

R. Sanjay

J. Ansari

B. Aravindh

"**The significant accomplishment at a different university...**"

Congratulations to the team for being selected as **finalists** among 50 teams at **Anna University** in the event Stratify-2.0". This project is a testament to your hard work and dedication".

INVO – Empowering Online Business

Done by,"

Thejesh Bhagavanth G, Hema Sundar U, Vijay Sarath G, Sibi S, Sasinath D

Congratulations to **Mathan Raj. M** on securing an **internship** at **NIT** Trichy!

Congratulations to **Giriraaj. L** for being selected as a finalist in **TNSkills** among participants from Tamil Nadu!

Guest Lecture / Workshop

1. One Day Hands on Workshop on "Prototyping your way into Web Design"

The Department of Computer Science and Engineering conducted One Day Hands on Workshop on "Prototyping your way into Web Design". The resource person was Mr. Jayasurya Gnanavel, Founder and CEO of Cybernaut, Chennai. The welcome address and chief guest introduction was given by Mr. R. Rajkumar, ASP of CSE.

Mr. Jayasurya gave a hands on training on web development, wordpress application. He also added about the industry needs and expectation from the budding engineers. Additionally, he gave various guidelines for attending interviews and how the project need to be developed. Various tasks has been assigned to the students as a team to enhance their development skills. All the students involved and learned enthusiastically.

2. Two days' Workshop with Hands on training on Angular JS with Mongo DB

The department of Computer Science and Engineering organized 2 days' Workshop on **Angular JS and MongoDB** for III CSE students.

The sessions were handled by External trainer **Mr. L. Vinothkumar**, Alumni of ChettinadTech, Software Engineer, L Cube Innovative Solutions, Chennai.

The students actively participated in the sessions, as this workshop often leads to better retention of knowledge.

The outlined topics covered during the training, such as AngularJS Form and Validation, AngularJS HTML DOM, AngularJS MongoDB Connection, AngularJS Modules, AngularJS Data Binging, AngularJS Animations.

These concepts are crucial for building a strong foundation in IT industries.

The students learnt new things from this two days workshop. They are going to implement real time projects by using Angular JS and Mongo DB.

Students Achievements & Participations

1. Vyuhaa'24

VYUHAA'24, an Interdepartmental Cultural Fest has been conducted on March 9th 2024, at the college premises. The event featured a variety of competitions, including individual dance, solo singing, mimicry, craftwork, face painting, group dance, fireless cooking, short film, mime, and instrumental music, showcasing the enthusiastic participation and talent of the students.

Our CSE Students received prizes for various events as follows

Group Dance Winner – I CSE Team

Craft Work Winner
Kaviya Dharshini B – I CSE

Face Painting Runner-up

Jaukline Thanga Jenisha J & Vinothini R - I CSE

Solo Singing Runner-up

Thejash Bhagavanth G – III CSE

Solo Dance Winner

Akshara S – I CSE

2. Journal Publication by final year students

S. No	Name of the student	Name of the Organizing Institute / Published in Journal URL
1	Sathyasri N Sivajothi P Suruthika S A	International Journal of All Research Education and Scientific Methods (IJARESM) https://www.ijaresm.com/uploaded_files/document_file/Ms._N_._Sathyasri_kXoJ.pdf
2	Kalpana Chawla S Ridhanya R Shahin Nisha S	International Journal of All Research Education and Scientific Methods (IJARESM) https://www.ijaresm.com/uploaded_files/document_file/Ms._Ridhanya_R_cm1P.pdf
3	Madhumitha N Pavithra A Priya Dharshini K	International Journal of All Research Education and Scientific Methods (IJARESM) https://www.ijaresm.com/uploaded_files/document_file/Ms._N_._Madhumitha_Fgd5.pdf
4	Anusya PS Hemavarshini R	International Journal of All Research Education and Scientific Methods (IJARESH) https://www.ijaresm.com/uploaded_files/document_file/Ms._Anusuya_P_._S_QbGP.pdf
5	Anusha Sri J Keerthika R	International Journal of All Research Education and Scientific Methods (IJARESM) https://www.ijaresm.com/uploaded_files/document_file/Ms._Anusha_Sri_J_hreQ.pdf
6	Abinaya S Dhiravidamani M Priya Dharshini M	International Journal of All Research Education and Scientific Methods (IJARESM) https://www.ijaresm.com/uploaded_files/document_file/Ms._Abinaya_S_5276.pdf
7	Harinee VS Harini A Subiksha S	International Journal of All Research Education and Scientific Methods (IJARESM) https://www.ijaresm.com/uploaded_files/document_file/Ms._Harinee_VS_KV96.pdf
8	Hemalatha G Vishalatchi M	International Journal of All Research Education and Scientific Methods (IJARESM) https://www.ijaresm.com/ai-enabled-analytical-tool-to-interpret-social-media-content-to-manage-online-reputation
9	Deepika R Kothai Malar M Nethra N	International Journal of Engineering Research and Applications (IJERA) https://www.ijera.com/papers/vol14no3/14033640.pdf

10	Bharathkumar S	International Journal of All Research Education and Scientific Methods (IJARESM) https://www.ijaresm.com/uploaded_files/document_file/Mr._Bharath_Kumar_S_oI0S.pdf
	Karthikeyan K	
	Kuralarasan T	
11	Abhishek R	International Journal of All Research Education and Scientific Methods (IJARESM) https://www.ijaresm.com/uploaded_files/document_file/Mr._Abhishek_._R_UdzG.pdf
	Narenthiran N	
	Sabariprabu M	
12	Pandikumar U	International Journal of All Research Education and Scientific Methods (IJARESM) https://www.ijaresm.com/uploaded_files/document_file/Mr._R_._Sabareeswran_zPLj.pdf
	Sabareeswaran R	
	Yoheshwar S	
13	Ansari J	International Journal of All Research Education and Scientific Methods (IJARESM) https://www.ijaresm.com/uploaded_files/document_file/Mr._J_._Ansari_VItW.pdf
	Aravindhan B	
	Manikandan M	
14	Hemnath A	International Journal of All Research Education and Scientific Methods (IJARESM) https://www.ijaresm.com/uploaded_files/document_file/Mr._Hemnath_A_AzVP.pdf
	Murugappanal	
	Santhoshkumar K	
15	Balamurugan J	International Journal of All Research Education and Scientific Methods (IJARESM) https://www.ijaresm.com/uploaded_files/document_file/Bharath_Priyan_Siftl.pdf
	Bharathpriyan S	
	Harish K	
16	Krishnan B	International Journal of Engineering Research and Applications (IJERA) https://www.ijera.com/papers/vol14no3/14034145.pdf
	Manoj Kumar P	
17	Muthuprakash M	International Journal of All Research Education and Scientific Methods (IJARESM) https://www.ijaresm.com/uploaded_files/document_file/Mr._Rajkumar_R_hh46.pdf
	Snajay R	
	Selvabharathi S	
18	Mithunkarthik K	International Journal of All Research Education and Scientific Methods (IJARESM) https://www.ijaresm.com/uploaded_files/document_file/Mr._Mithunkarthik_._K_qqYH.pdf
	Renganathan V	
	Gowshick M	
19	Prakash V	International Journal of All Research Education and Scientific Methods (IJARESM) https://www.ijaresm.com/uploaded_files/document_file/Mr._Prakash_._V_NRf1.pdf
	Shri Mahavishnu N	
	Surya M	

20	Yogesh S	International Journal of All Research Education and Scientific Methods (IJARESM)
	Krishnaprasath A	https://www.ijaresm.com/uploaded_files/document_file/Yogesh._S_itEz.pdf
21	Harshini P	International Journal of Scientific Research in Computer Science, Engineering and Information Technology(IJSRCSEIT) https://ijsrcseit.com/paper/CSEIT2390620.pdf
22	Ashwini S	International Journal of All Research Education and Scientific Methods (IJARESM) https://www.ijaresm.com/uploaded_files/document_file/Ms._Ashwini_S_oI0S.pdf

3. Paper Presentations

S.No	Year	Name of the student	Topic / Name of the Event	Name of the college	Participation / Prize Won
1	III	Vaishali U	Loan Eligibility Prediction using Machine Learning	Mahendra College of Enginnering	2nd Prize
2	III	Menaka M	Loan Eligibility Prediction using Machine Learning	Mahendra College of Enginnering	2nd Prize
3	II	Sri Yogeshwari NM	Metaverse	Sri Ramakrishna Engineering college	Participation
4	II	Srinithi U	Metaverse	Sri Ramakrishna Engineering college	Participation
5	II	Kavinesh A	Web 3.0 and its application	Vellalar College of Engineering and technology	Participation
6	II	Abhishek S	Web 3.0 and its application	Vellalar College of Engineering and technology	Participation
7	II	Gokula prasath D	Machine learning	Vellalar College of Engineering and technology	Participation
8	II	Guru moorthy V	Machine learning	Vellalar College of Engineering and technology	Participation
9	II	Malan E.K	5 G Technology	Hindustan college of Engineering and Technology	Participation
10	II	Mohamad Rilvan Rinas Z	5 G Technology	Hindustan college of Engineering and Technology	Participation
11	II	Madhavan G	5 G Technology	Hindustan college of Engineering and Technology	Participation

4. Technical Events Attended

S.No	Year	Name of the student	Topic / Name of the Event	Name of the college	Participation / Prize Won
1	II	D.Jayasimma	Technical Symposium	Dhanalakshimi Srinivasan college of Eng&tech	2nd Price
2	II	D. Jaiyasimma	Hardware Debugging	Dhanalakshmi Srinivasan College of Eng&Tech	2nd Prize
3	III	Loganayaki M	Koda Chrome	KSR College of Engineering	Participation
4	III	Lathika M	Koda Chrome	KSR College of Engineering	Participation
5	III	Aarthi S	Koda Chrome	KSR College of Engineering	Participation
6	III	Pavithra R	Koda Chrome	KSR College of Engineering	Participation
7	III	Geetha SK	Koda Chrome	KSR College of Engineering	Participation
8	III	Menaka M	Poster Design	Mahendra College of Engineering	Participation
9	III	Vaishali U	Poster Design	Mahendra College of Engineering	Participation
10	III	Gokul	Poster Presentation	Kumaraguru College of Engineering	Participation
11	III	Surya	Poster Presentation	Kumaraguru College of Engineering	Participation
12	III	Karthikeyan	Poster Presentation	Kumaraguru College of Engineering	Participation
13	III	Mathan Raj	Poster Presentation	Kumaraguru College of Engineering	Participation
14	III	Giriraaj L	Poster Presentation	Kumaraguru College of Engineering	Participation
15	II	E.K.Malan	Technical quiz	Hindustan college of engineering and technology	Participation
16	II	Z.Mohamed Rilvan Rinas	Technical quiz	Hindustan college of engineering and technology	Participation
17	II	G.Madhavan	Technical quiz	Hindustan college of engineering and technology	Participation
18	II	V.Parthiban	Software Debugging	Dhanalakshimi Srinivasan college of Eng. & Tech.	Participation

5. Kalam Awards

III - Year CSE department students participated in the exhibition held in IFET Engineering   College, Villupuram on 31.09.2023 and presented their ideas in The Kalam Awards Competition.

Mathan Raj. M, Giriraaj L, Karthigeyan M, Hemasundar U titled with Ecosense - AI driven waste management.

And ThejeshBhagavanth G, Sasinath D, Vijay Sarathi G, Sibi S titled with INVO – Empowering online business.

And Monish M, Thanigaivel J, Venkatesh S, Jeevanatham N received the young Achievers award.

6. AMD AI Challenge Contest

In collaboration with SSF, Chettinad college of Engineering & Technology conducted AMD Pervasive AI Developer workshop in our campus on 20.02.2024. Mr. Bharat Pechetti, Resource person from AMD, delivered keynote lecture about AMD high performance computing Processors and AMD AI software used in high performance computing applications. Ms. Shuba Bhat, Resource person from SSF, discussed about AMD AI contest idea submission procedure. As an outcome of this workshop, 94 Teams (270 students from Department of AI&DS, CSE, ECE, EEE and Mech) submitted their ideas in AMD AI contest website and following 3 teams got selected and won attractive prizes.

Team	Team Members	Year	Title of the Project	Prize Won
1	1. Kavin P 2. Dheenadayalan S 3. Kishore M 4. Jayasimma D	II	Advanced AI Application for physically challenged peoples with AMD hardware support.	Mini GPU
2	1. Thanigaivel J 2. Aravindhan P 3. Sanjai S	III	AI Based, Library Book Self-renewal System	Cloud Space
3	1. Parthasarathy P 2. Vijay Sanjay Kumar KR 3. Gowtham S	III	Accessible AI: Empowering the Visually, Speech and Hearing Impaired	Cloud Space

7. Niral Thiruvizha (Naan-Mudhalvan)

5 Projects from IV CSE has been Shortlisted for "Niral Thiruvizha Project scheme for receiving Rs.10000 towards completing the project among 1000 project ideas.

Project No : 1.

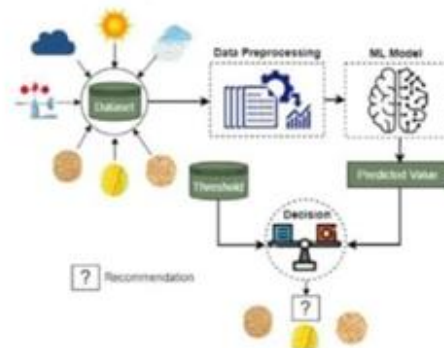**AI ASSISTED APP FOR FARMERS ON AGRI PRACTICES AND SUGGESTIVE CROPS**

Crop recommendation Block diagram:

Various roles of Agriculture:

Work Flow Diagram:

Done By:

Balamurugan .J   Bharath Priyan.S   Harish ,K

IV-Year

CSE

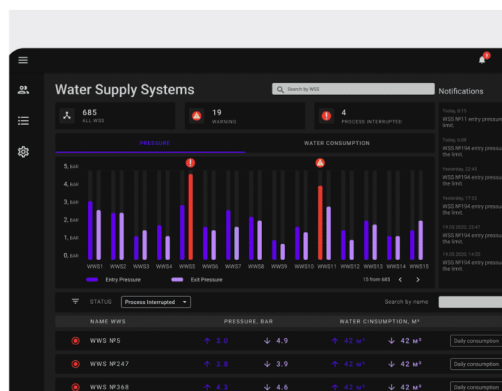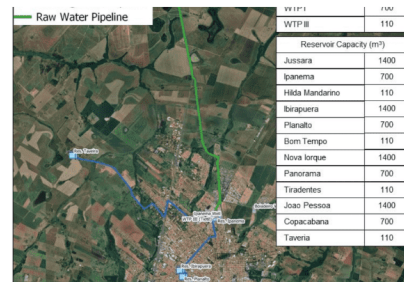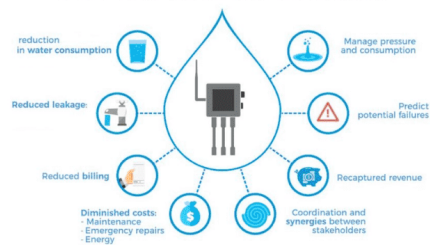9202-Chettinad College Of Engineering & Technology, Karur.

Project No : 2.

WATER SUPPLY MANAGEMENT
THROUGH AN INNOVATIVE DASHBOARD SOLUTION
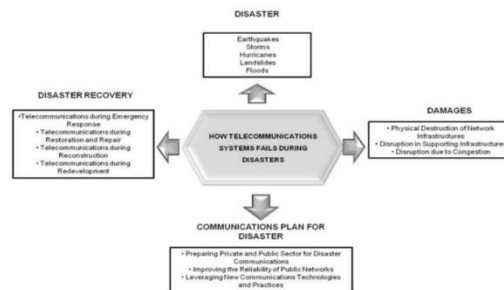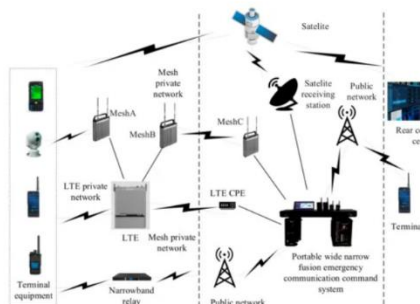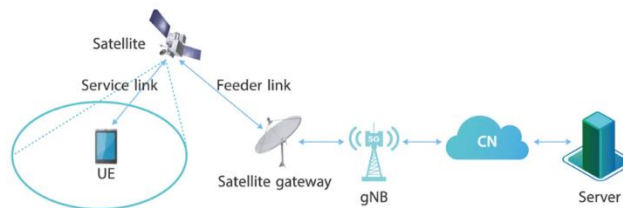

Ashwini S(CSE)
9202 - Chettinad College of
Engineering and Technology

Project No : 3.

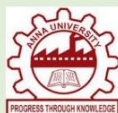# AFFORDABLE EMERGENCY COMMUNICATION SOLUTION FOR REMOTE AND CHALLENGING TERRAINS

Fig. 1. NTN architecture with transparent payload.

Anusuya P S CSE)
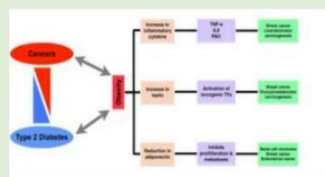9202 - Chettinad College of Engineering and Technology

Hemavarshini R CSE)
9202 - Chettinad College of Engineering and Technology

Project No : 4.

Analytic tool for healthcare data of patients in hospitals and other institutions

Benefits of Healthcare Data Analytics

Benefits of Healthcare Data Analytics

01 Analyzing Clinical Data to Improve Medical Research

05 Improved Staffing Thanks to Analytics in Health Business Management

02 Using Patient Data to Improve Health Outcomes

04 Gaining Operational Insights From Healthcare Provider Data

03 Diagnosis and Treatment

Healthcare Analyst:

Work Flow Diagram:

Analytics

Sensing Data

Omics Data

Electronic Health Record

Public Health Record

Clinical data

Data Warehouse

Descriptive

Diagnostic

Predictive

Prescriptive

Insight

Foresight

Improved Outcomes

Smarter and Cost effective Decisions
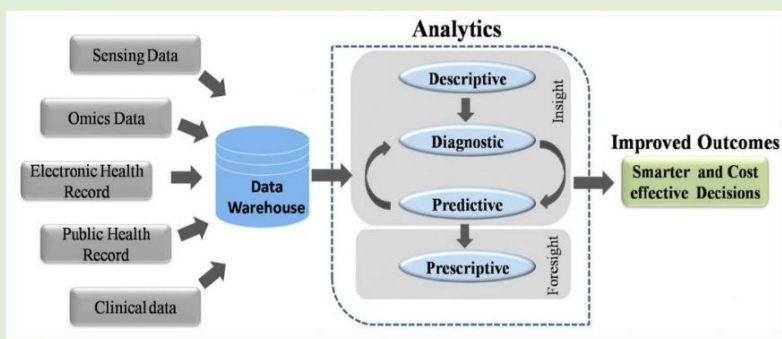
Team Members :

ABINAYA. S

DHIRAVIDAMANI. M

PRIYADHARSHINI. M

IV-Year CSE, 9202 – Chettinad College of Engineering & Technology, Karur.

Project No : 5.

8. Open Day Visit

Programme Name: Open Day Visit

Venue: Indian Institute of Science, Bangalore

Faculty Incharge: Dr G Sahaya Dennish Babu, AP/Physics

Date: 24.02.2024

No. of Participants   : 22

- ✓ The Enrichment Committee of Chettinad Tech organized a one-day Open Day visit to the prestigious Indian Institute of Science (IISc), Bangalore, on February 24, 2024. Twenty-two students from the first year of BE and BTech, representing various departments such as CSE, ECE, AI and DS, and Mechanical, accompanied by two dedicated staff members, immersed themselves in this enriching experience.

- ✓ Throughout the day, esteemed faculty members, research scholars, and master students captivated our delegation with insightful presentations, unveiling the wide array of academic programs offered at IISc. Visionary researchers at IISc showcased their ongoing projects and revolutionary technologies, demonstrating ground breaking discoveries that push the boundaries of knowledge.

- ✓ This rendezvous with IISc on Open Day 2024 served as a catalyst for our budding engineers, igniting their passion for academic excellence, research ingenuity, and a steadfast commitment to propel our nation forward. Here's to a future brimming with innovation, driven by the aspirations of our young minds as they navigate towards transformative discoveries and societal impact.

9. Sports &Games

➢ Ms.A.Charumathi of 3rd year CSE has secured 3rd place in the nationalyoga Championship 2023 at Karur.

➢ Ms. G. Hemalatha Final Year CSE has secured third place in 800 meters in Anna University Zone 17 at Dindugal

➢ Our College basketball team has secured 4th place in Anna University Zone 17 held at Chettinad College of Engineering and Technology.

Mr. Siddharthan – 1st CSE, Mr.Thanigaivel – 3rd CSE, Mr.P.Manoj – Final CSE.

10. Symposium

The Department of Computer Science and Engineering, Chettinad College of Engineering and Technology, Puliyur, Karur, hosted a highly successful National Level Technical Symposium called BRAHMASTRA on September 22nd 2023. This symposium was grand amalgamation of technical, non-technical and on-spot registration event, aimed at providing a comprehensive platform for intellectual exploration and skill enhancement. BRAHMASTRA attracted an impressive turnout with more than 150 registrations from 20 different institutions. This broad participation highlighted the symposium's append significance in the academic community.
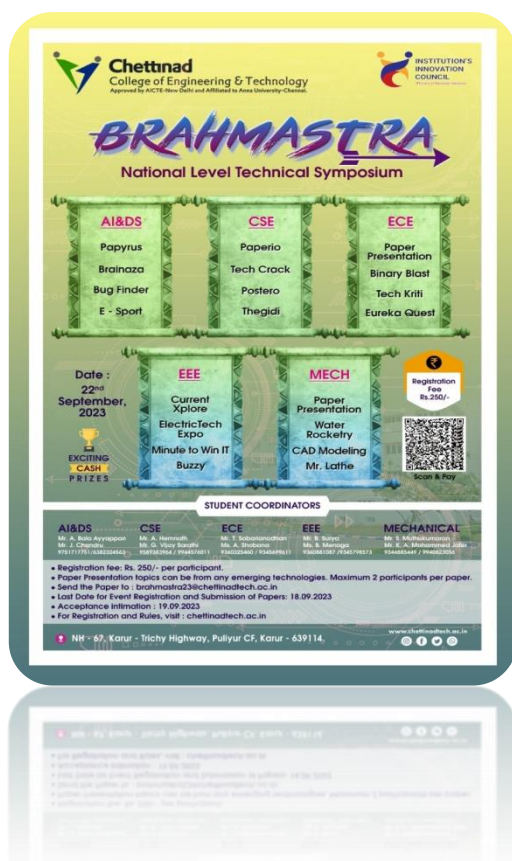
11. Industrial Visit

The Department of CSE organized 2 days industrial visit (12.04.2024 and 13.04.2024) to Thiruvananthapuram and Vagamon with 176 students and 5 Staff members. The students visited Vikram Sarabhai Space Centre and Museum and gained knowledge about basic rocket and space vehicles for India's satellite. VSSC explained about the development of sounding rockets, the Rohini and Menaka launchers, and SLV, ASLV, PSLV, GSLV and LVM3 families of launch vehicles.

The students visited Thiruvananthapuram Zoo which is one of the oldest zoos in India. They enjoyed by seeing various types of birds and animals behavior.

The next day students visited various places in Vagamon like Pine Forest, Barren Hills and Vagamon Falls. The students were enjoyed the trip which is adventurous and interesting.

12. Heritage Trip

On March 22nd, 2024, first-year CSE students went on a visit to Sri Agneeswarar Temple and Sadashiva Temple in Nerur as part of the Anna University curriculum. This trip provided them with an opportunity to observe and learn about the temple's structure, the architectural styles, ancient inscriptions, and many statues in the temple, for their understanding of the 'GE3252 Tamils and Technology' course.

They also explored the Karuvoor Chera Archaeological Site Museum, where they saw various archaeological artifacts discovered in the Karur region. During this visit, students delved into the history behind Mudhumakkal Thali, Suduman Doll, Nadukal, Porkaasukal, and many other artifacts.

13. NPTEL Course Completion

Chettinad
College of Engineering & Technology
Approved by AICTE-New Delhi and Affiliated to Anna University-Chennai.

NPTEL FREE ONLINE EDUCATION
swayam

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Congratulations!

OUTSTANDING NPTEL ACHIEVEMENTS

Mr. A. HEMNATH, IV YEAR-CSE
Python for Data Science
[Score 72%] Recognized as ELITE
Jan-Feb 2024

IIT - MADRAS

Ms. S. ANISH, III YEAR-CSE
Python for Data Science
[Score 67%] Recognized as ELITE
Jan-Feb 2024

IIT - MADRAS

Ms. B. JAYASRI, III YEAR-CSE
Python for Data Science
[Score 61%] Recognized as ELITE
Jan-Feb 2024

IIT - MADRAS

Ms. P. HARSHINI, IV YEAR-CSE
Python for Data Science
[Score 60%] Recognized as ELITE
Jan-Feb 2024

IIT - MADRAS

Ms. A. HARINI, IV YEAR-CSE
Python for Data Science
[Score 57%]
Jan-Feb 2024

IIT - MADRAS

www.chettinadtech.ac.in

Chettinad
College of Engineering & Technology
Approved by AICTE-New Delhi and Affiliated to Anna University-Chennai.

NPTEL
FREE ONLINE EDUCATION
swayam

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Congratulations!

OUTSTANDING NPTEL ACHIEVEMENTS

Ms. S. SUBIKSHA, IV YEAR-CSE
Python for Data Science
[Score 54%]
Jan-Feb 2024

IIT - MADRAS

Ms. K. PRIYA DHARSHINI, IV YEAR-CSE
Python for Data Science
[Score 52%]
Jan-Feb 2024

IIT - MADRAS

Mr. R. ABHISHEK, IV YEAR-CSE
Python for Data Science
[Score 50%]
Jan-Feb 2024

IIT - MADRAS

Mr. BALAMURUGAN, IV YEAR-CSE
Foundation of Cloud IoT Edge ML
[Score 60%] Recognized as ELITE
Feb-Apr 2024

IIT - KANPUR

Mr. S. YOHESHWAR , IV YEAR-CSE
Foundation of Cloud IoT Edge ML
[Score 56%]
Feb-Apr 2024

IIT - KANPUR

www.chettinadtech.ac.in

Chettinad
College of Engineering & Technology
Approved by AICTE-New Delhi and Affiliated to Anna University-Chennai.

NPTEL
FREE ONLINE EDUCATION
swayam

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Congratulations!

OUTSTANDING NPTEL ACHIEVEMENTS

Mr. V. PRAKASH V, IV YEAR-CSE
Foundation of Cloud IoT Edge ML
[Score 54%]
Feb-Apr 2024

IIT - KANPUR

Mr. PANDI KUMAR, IV YEAR-CSE
Foundation of Cloud IoT Edge ML
[Score 54%]
Feb-Apr 2024

IIT - KANPUR

Ms. R. DEEPIKA, IV YEAR-CSE
Programming, Data Structures and Algorithms
using Python
[Score 60%] Recognized as ELITE
Jan-Mar 2024

IIT - MADRAS

Ms. S. SURUTHIKA, IV YEAR-CSE
Introduction to Programming in C
[Score 54%]
Jan-Mar 2024

IIT - KANPUR

www.chettinadtech.ac.in

Chettinad College of Engineering & Technology
Approved by AICTE-New Delhi and Affiliated to Anna University-Chennai.

NPTEL
FREE ONLINE EDUCATION
swayam

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Congratulations!

Ms. ANNALAKSHMI, III YEAR-CSE
Programming in Java
[Score 71%] Recognized as ELITE
Jan-Apr 2024

IIT - KHARAGPUR

Mr. G. VIJAY SARATHI, III YEAR-CSE
Cloud Computing
[Score 65%] Recognized as ELITE
Jan-Apr 2024

IIT - KHARAGPUR

Ms. J. ANUSHA SRI, IV YEAR-CSE
Data Analytics with Python
[Score 60%] Recognized as ELITE
Jan-Apr 2024

IIT - ROORKEE

OUTSTANDING NPTEL ACHIEVEMENTS

www.chettinadtech.ac.in

Placement Records and Internship offers

1.Placements Records

S.No	Student Name	Total no. of offers	Company Names
1	Abhishek R	2	English Patner, RND Softech
2	Abinaya S	1	KGISL
3	Aravindhan B	2	Virtualvista, One Data
4	Ansari J	4	Ingage, English Patner, Fanam Digital, BIM Modeller
5	Anusha Sri J	2	KGISL, Terv
6	Ashwini S	1	Ingage
7	Bharath Priyan S	1	Passvk Technology
8	Bharathkumar S	1	Monitpro
9	Dhiravidamani M	1	RND Softech
10	Gowshick M	1	Dhruva Finance
11	Harinee V S	1	ESAF
12	Harini A	2	Dhruva Finance, English Patner
13	Harish K	1	RND Softech
14	Harshini p	2	Dhruva Finance, Foxconn
15	Hemalatha G	1	Six Phase
16	Hemnath A	2	KGISL, TERV
17	Kalpana Chawla S	1	Dhruva Finance
18	Karthikeyan K	1	Monitpro
19	Keerthika R	2	Mitsuba, Foxconn
20	Kothai Malar M	4	Kgisl, Technologics, Monitpro, Focusr Tech
21	B.krishnan	1	Aditya Birla
22	Krishna Prasath A	1	Lenskart
23	Kuralarasan T	1	Media Wave Technologies

24	Madhumitha.N	2	Mitsuba, RND Softech
25	Manikandan M	1	English Patner
26	Mithunkarthik K	1	Ingage
27	Murugappan AL	2	Ingage, RND Softech
28	Muthuprakash M	2	Ingage, RND Softech
29	Narenthiran N	1	RND Softech
30	Nethra N	1	Monitpro
31	Pavithra A	1	Dhruva Finance
32	Prakash V	2	RND Softech, Fanam Digital
33	Priyadharshini K	1	Foxconn
34	Priyadharshini M	3	Mitsuba, Focxconn, RND Softech
35	Renganathan V	1	Digitech
36	Ridhanya R	2	KGISL, Ingage
37	Sabareeswaran R	4	Ingage, Bim Modeller, RND Softech, Fanam Digital
38	Sabariprabu M	3	TERV, ESAF, English Patner
39	Sanjay R	3	Ingage, RND Softech, Fanam Digital
40	Sathyasri N	3	Ingage, TERV, Dhruva Finance
41	Selvabharathi S	1	Passvk Technology
42	Sivajothi P	2	Mitsuba, Foxconn
43	Shahin Nisha S	1	English Patner
44	Shri Mahavishnu.N	1	RND Softech
45	Subiksha.S	2	English Patner, RND Softech
46	Suruthika S A	1	Foxconn
47	Surya M	1	RND Softech
48	Vishalatchi M	1	Mitsuba
49	Yoheshwar S	1	Digitech
50	Anusuya P S	2	Mitsuba, Foxconn
51	Hemavarshini R	2	Mitsuba, Foxconn
52	Manoj kumar P	1	RND Softech

2. Internship – IV Year CSE

S. No.	Student Name	Internship Company Name	Location	No .of Days
1	Abhishek R	English partner	Coimbatore	90
2	Ansari J	Ingage Technologies Pvt. Ltd.,	Chennai	60
3	Aravindhan B	Softapper Tech Solutions	Noida	60
4	Ashwini S	Ingage Technologies Pvt. Ltd.,	Chennai	70
5	Bharathkumar S	Monitpro Solutions	Trichy	120
6	Harini A	English Partner	Coimbatore	90
7	Karthikeyan K	Monitpro Solutions	Trichy	120
8	Kothai Malar M	Monitpro Solutions	Trichy	116
9	Kuralarasan T	Media Wave technology	Chennai	69
10	Manikandan M	English partner	Coimbatore	90
11	Mithunkarthik K	Ingage Technologies Pvt. Ltd.,	Chennai	70
12	Murugappan AL	Ingage Technologies Pvt. Ltd.,	Chennai	70
13	Muthuprakash M	Ingage Technologies Pvt. Ltd.,	Chennai	85
14	Nethra N	Monitpro Solutions	Trichy	116
15	Ridhanya R	Ingage Technologies Pvt. Ltd.,	Chennai	70
16	Sabareeswaran R	Ingage Technologies Pvt. Ltd.,	Chennai	85
17	Sabariprabu M	English Partner	Coimbatore	90
18	Sanjay R	Ingage Technologies Pvt. Ltd.,	Chennai	70
19	Sathyasri N	Ingage Technologies Pvt. Ltd.,	Chennai	70
20	Subiksha S	English Partner	Coimbatore	90

Faculty Contributions

1. Faculty FDP Attended

S.No	Name of the Staff	Topic	Name of the college/ Course Provider	Participation in days
1	Mrs.A.Punitha	National Workshop on Introduction to Computational Social Science with Python	National Institute of Technology, Tiruchirappalli	5
2	Dr. Punithavathi R	Modern Research Convergence in Next Generation Computing	Sri Krishna College of Engineering and Technology, Coimbatore	5
3	Mr.R.Rajkumar	Introduction to Computational Social Science with Python	National Institute of Technology, Tiruchirappalli	5
		Modern Research Convergence in Next Generation Computing	Sri Krishna College of Engineering and Technology, Coimbatore	5
4	Dr.T.Gobinath	Modern Research Convergence in Next Generation Computing	Sri Krishna College of Engineering and Technology, Coimbatore	5
		Geoinformatics and Web Technology	Kongu Engineering College	5
5	Mr. A. Sivaramakrishnan	Modern Research Convergence in Next Generation Computing	Sri Krishna College of Engineering and Technology, Coimbatore	5
		Fundamentals of Machine Learning and Deep Learning	National Institute of TechnicalTeachers' Training and Research (NITTTR) Kolkata.	5
6	Mr. B. Sathiskumar	Modern Research Convergence in Next Generation Computing	Sri Krishna College of Engineering and Technology, Coimbatore	5
7	Mrs.C.Sangeetha	Modern Research Convergence in Next Generation Computing	Sri Krishna College of Engineering and Technology, Coimbatore	5
		Python Demystified: Unraveling the Language	Marcello Tech	

8	Mrs . R. Sudha	Recent Trends in Computing 3.0	Vishwakarma Institute of Technology,Pune	5
9	Mrs. A. Kanimozhi	Modern Research Convergence in Next Generation Computing	Sri Krishna College of Engineering and Technology, Coimbatore	5
10	Ms. D. Sharmila	Modern Research Convergence in Next Generation Computing	Sri Krishna College of Engineering and Technology, Coimbatore	5
11	Mrs. S. Kiruthiga	Modern Research Convergence in Next Generation Computing	Sri Krishna College of Engineering and Technology, Coimbatore	5
12	Mrs. N. Thamizhmozhi	Modern Research Convergence in Next Generation Computing	Sri Krishna College of Engineering and Technology, Coimbatore	5
13	Mrs. V. Prabha	Modern Research Convergence in Next Generation Computing	Sri Krishna College of Engineering and Technology, Coimbatore	5

2. Faculty Publications

S. No	Staff Name	Name of the Organizing Institute / Published in Journal URL
1		International Journal of All Research Education and Scientific Methods (IJARESM) https://www.ijaresm.com/uploaded_files/document_file/Ms._Ridhanya_R_cm1P.pdf
2	Mr.R.Rajkumar	International Journal of All Research Education and Scientific Methods (IJARESH) https://www.ijaresm.com/uploaded_files/document_file/Ms._Anusuya_P_._S_QbGP.pdf
3		International Journal of All Research Education and Scientific Methods (IJARESM) https://www.ijaresm.com/uploaded_files/document_file/Ms._Anusha_Sri_J_hreQ.pdf
4		International Journal of All Research Education and Scientific Methods (IJARESM) https://www.ijaresm.com/uploaded_files/document_file/Mr._Rajkumar_R_hh46.pdf

5	Mr. B. Sathishkumar	International Journal of All Research Education and Scientific Methods (IJARESM) https://www.ijaresm.com/uploaded_files/document_file/Mr._Hemnath_A_AzVP.pdf
6	Dr.T.Gobinath	IETE Journal of Research http://dx.doi.org/10.1080/03772063.2024.2310123
7		International Journal ofINTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING https://ijisae.org/index.php/IJISAE/article/view/4041/2681
8		2023 International Conference on Research Methodologies in Knowledge Management, Artificial Intelligence and Telecommunication Engineering (RMKMATE) http://dx.doi.org/10.1109/rmkmate59243.2023.10369296
9		Journal of Autonomous Intelligence http://dx.doi.org/10.32629/jai.v7i1.1129
10		International Journal on Recent and Innovation Trends in Computing and Communication http://dx.doi.org/10.17762/ijritcc.v12i1.7906
11		ICTACT JOURNAL ON COMMUNICATION TECHNOLOGY https://ictactjournals.in/ArticleDetails.aspx?id=12406
12		International Journal of Engineering Research and Applications (IJERA) https://www.ijera.com/papers/vol14no3/14033640.pdf
13		International Journal of Engineering Research and Applications (IJERA) https://www.ijera.com/papers/vol14no3/14034145.pdf
14		International Journal of All Research Education and Scientific Methods (IJARESM) https://www.ijaresm.com/a-survey-of-chatbot-for-providing-government-schemes-to-citizens
15		International Journal of All Research Education and Scientific Methods (IJARESM) https://www.ijaresm.com/a-survey-of-ai-enabled-app-for-artisans-to-facilitate-market-linkages
16	Mrs. C. Sangeetha	International Journal of All Research Education and Scientific Methods (IJARESM) https://www.ijaresm.com/uploaded_files/document_file/Bharath_Priyan_Siftl.pdf
17		International Journal of All Research Education and Scientific Methods (IJARESM) https://www.ijaresm.com/uploaded_files/document_file/Ms._Harinee_VS_KV96.pdf

18		International Journal of All Research Education and Scientific Methods (IJARESM) https://www.ijaresm.com/uploaded_files/document_file/Mr._Mithunkarthik_._K_qqYH.pdf
19		International Journal of Scientific Research in Computer Science, Engineering and Information Technology(IJSRCSEIT) https://ijsrcseit.com/paper/CSEIT2390620.pdf
20		International Journal of All Research Education and Scientific Methods (IJARESM) https://www.ijaresm.com/uploaded_files/document_file/Mr._R_._Sabareeswran_zPLj.pdf
21	Mrs.R.Sudha	International Journal of All Research Education and Scientific Methods (IJARESM) https://www.ijaresm.com/uploaded_files/document_file/Mr._Bharath_Kumar_S_oI0S.pdf
22		International Journal of All Research Education and Scientific Methods (IJARESM) https://www.ijaresm.com/uploaded_files/document_file/Ms._N_._Sathyasri_kXoJ.pdf
23		International Journal of All Research Education and Scientific Methods (IJARESM) https://www.ijaresm.com/uploaded_files/document_file/Ms._Abinaya_S_5276.pdf
24	Ms. D. Santhiya	International Journal of All Research Education and Scientific Methods (IJARESM) https://www.ijaresm.com/ai-enabled-analytical-tool-to-interpret-social-media-content-to-manage-online-reputation
25		International Journal of All Research Education and Scientific Methods (IJARESM) https://www.ijaresm.com/uploaded_files/document_file/Ms._Ashwini_S_oI0S.pdf
26		International Journal of All Research Education and Scientific Methods (IJARESM) https://www.ijaresm.com/uploaded_files/document_file/Ms._N_._Madhumitha_Fgd5.pdf
27	Mr. M. Sheikthariq	International Journal of All Research Education and Scientific Methods (IJARESM) https://www.ijaresm.com/uploaded_files/document_file/Mr._J_._Ansari_VItW.pdf
28		International Journal of All Research Education and Scientific Methods (IJARESM) https://www.ijaresm.com/uploaded_files/document_file/Yogesh._S_itEz.pdf

Student's Folio

1. Art Works

We are delighted to publish **Guru Moorthi's** artwork!

Through his art, Guru Moorthi brings a unique perspective and inspiration that we believe will captivate and resonate with many. Stay tuned as we unveil Guru Moorthi's remarkable talent to the world!"

We are delighted to publish **Narmatha's** artwork!

Through her art, Narmatha brings a unique perspective and inspiration that we believe will captivate and resonate with many. Stay tuned as we unveil Narmatha's remarkable talent to the world!"
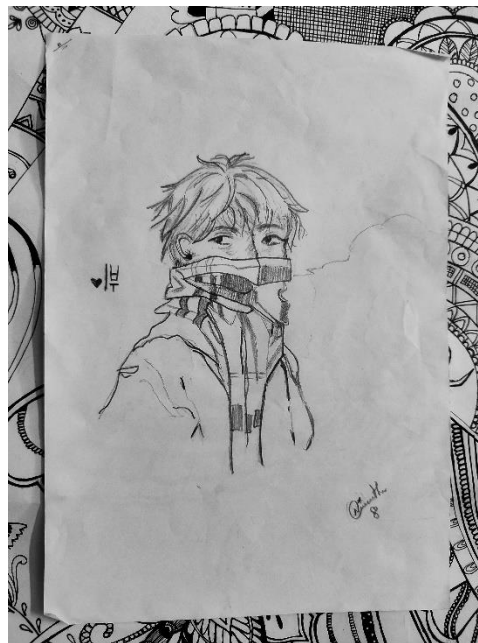
We are delighted to publish **Sarumathi's** artwork!

Through her art, Sarumathi brings a unique perspective and inspiration that we believe will captivate and resonate with many. Stay tuned as we unveil Sarumathi's remarkable talent to the world!"

We are delighted to publish **Nivetha's** artwork!

Through her art, Nivetha brings a unique perspective and inspiration that we believe will captivate and resonate with many. Stay tuned as we unveil Nivetha's remarkable talent to the world!"

We are delighted to publish **Divya's** artwork!

Through her art, Divya brings a unique perspective and inspiration that we believe will captivate and resonate with many. Stay tuned as we unveil Divya's remarkable talent to the world!"

We are delighted to publish **Rithika sri's** artwork!

Through her art, Rithika sri brings a unique perspective and inspiration that we believe will captivate and resonate with many. Stay tuned as we unveil Rithika sri 's remarkable talent to the world!"

2. Piece of Poetry

பயணம் !!!

நடக்காத பாதைகள் நடந்த பாதங்கள்

அறியாத மனிதர்கள் அறிந்த புன்னகைகள்

விளங்காத மொழிகள் விளங்கிய உணர்வுகள்

சுவைக்காத உணவுகள் சுவைத்த சுவைகள்

காணாத காட்சிகள் கண்ட மூலக்கூறுகள்

உடுத்தாத உடைகள் உடுத்திய தன்மானங்கள்

கேட்காத வரலாறுகள் கேட்ட அழுகுரல்கள்

கற்பிக்காத கடவுள்கள் கற்பித்த நம்பிக்கைகள்

பழகாத நவீனங்கள் பழகிய நடைமுறைகள்

உணராத ஒருமையை உணர்த்தும் பயணங்கள்

பயணிக்காத உடல்கள் பயணிக்கும் கல்லறைகள்

ஆதலால் மானிடா...

பயணம் செய் !!!

-   Karthick Raja, II year CSE

Thank you

Editorial board