



St. JOSEPH'S INSTITUTE OF TECHNOLOGY

We Make You Shine

(AN AUTONOMOUS INSTITUTION)

OMR, CHENNAI - 119



NEWSLETTER

MARCH 2024

ISSUE 3



DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE



IMAGINE, INNOVATE, IGNITE WITH AI

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St. JOSEPH'S
GROUP OF INSTITUTIONS
OMR, CHENNAI - 119

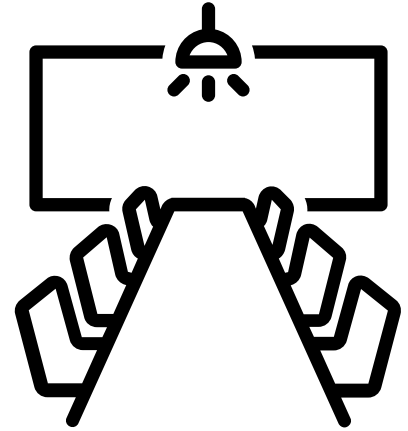


The Choice of
Disciplined Toppers

GLOBAL AI BOOTCAMP



GLOBAL AI COMMUNITY AND MICROSOFT AZURE



global AI Community **GLOBAL AI BOOTCAMP '24**

14 SESSIONS **2 TRACKS** **1 DAY** **14 SPEAKERS**

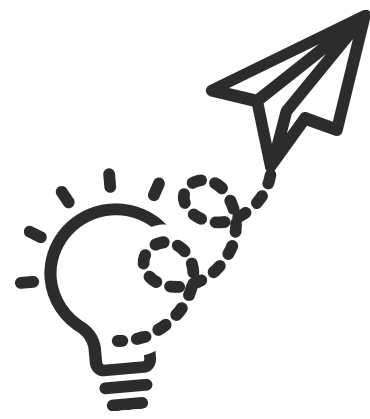
LLM
DATA
GENERATIVE AI
CLOUD AND SECURITY

Azure Developer Community

The Global Bootcamp AI, held on March 2, 2024, featured two tracks and attracted a total of 60 industry participants, along with 70 students from other colleges. Additionally, 74 students from our institution actively participated in this engaging event.



PROJECT INNOVATION CLUB EVENT



TOPIC

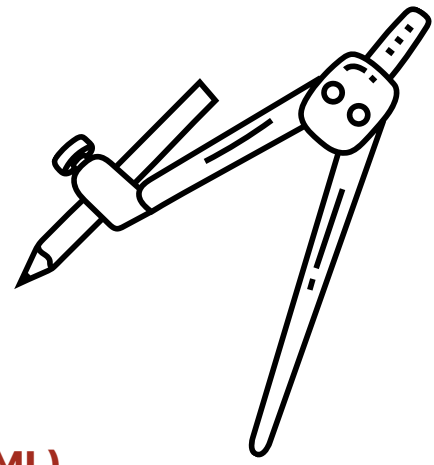
- AI : GRADIENT BOOSTING ALGORITHM AND ADA BOOSTING ALGORITHM
- DS: EDA AND DATA ANALYTICS TOOLS
- WEB : BASICS OF FULL STACK (CREATION OF BASIC MODEL)

Students have been introduced to Gradient Boosting and Ada Boost (Adaptive Boosting), two renowned ensemble learning techniques employed for classification and regression assignments. These methodologies involve amalgamating numerous weak learners, commonly represented by decision trees, to develop a robust learner capable of making accurate predictions.



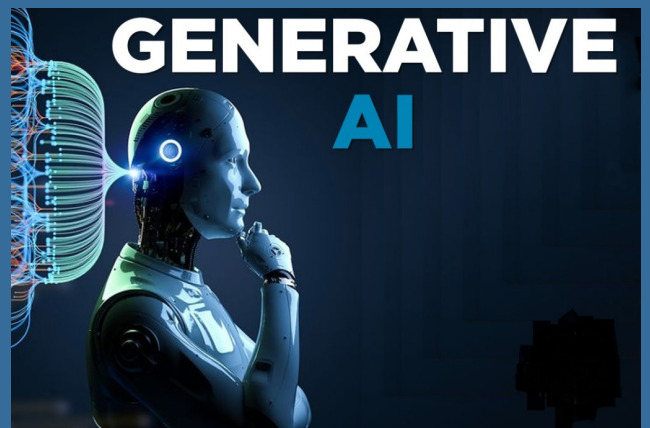
THE STUDENTS EXHIBITED A
COMPREHENSIVE
IMPLEMENTATION COVERING
FULL-STACK DEVELOPMENT AND
DATA ANALYTICS TOOLS.

TWO DAYS STUDENT WORKSHOP



Mr. Mac Mohan Puthuran
Techno Lead
Data Science and Engineering(AI/ML)

"UNLOCKING AI'S POTENTIAL: A COMPREHENSIVE WORKSHOP ON NATURAL LANGUAGE PROCESSING, COMPUTER VISION, AND GENERATIVE MODELS"

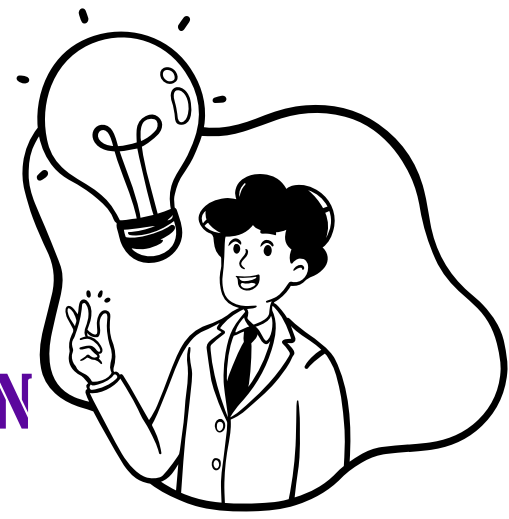


Students have engaged in workshops that encompass a wide range of topics centered around LangChain. These sessions aim to provide students with a comprehensive grasp of LangChain, offering practical skills that empower them to apply its principles effectively across diverse natural language processing scenarios.



ALUMINI TALK

TOPIC : **SKILL NEEDED FOR SUCCESS IN THE INDUSTRY**



Anish Chamaria
Backend Developer
Zoho Corporation



- **TECHNICAL PROFICIENCY**
- **PROBLEM-SOLVING SKILLS**
- **CONTINUOUS LEARNING**
- **COMMUNICATION SKILLS**
- **TEAMWORK AND COLLABORATION**



ALUMINI TALK



TOPIC : **EXPLORING A CAREER**



JANANI LOGANATHAN

Salesforce Risk And QA Engineer
Cognizant technology solutions



**IDENTIFY YOUR INTERESTS
SET CLEAR GOALS**

**STRONG FOUNDATION
GAIN PRACTICAL EXPERIENCE**

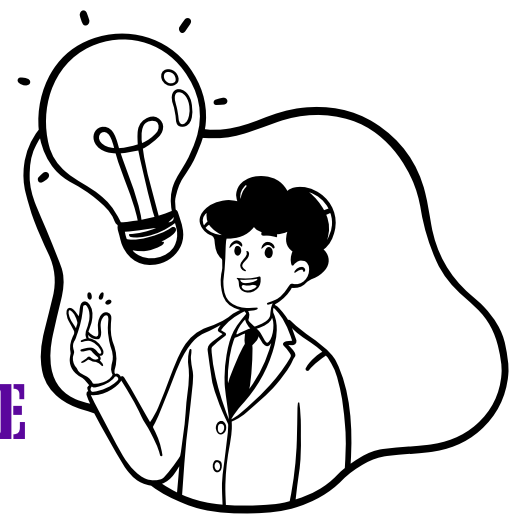
**UPDATED INDUSTRY TRENDS
NETWORKING AND BUILD
RELATIONSHIPS**

**RELEVANT SKILLS AND
KNOWLEDGE
DEVELOP SOFT SKILLS**

CAREER GROWTH



ALUMINI TALK

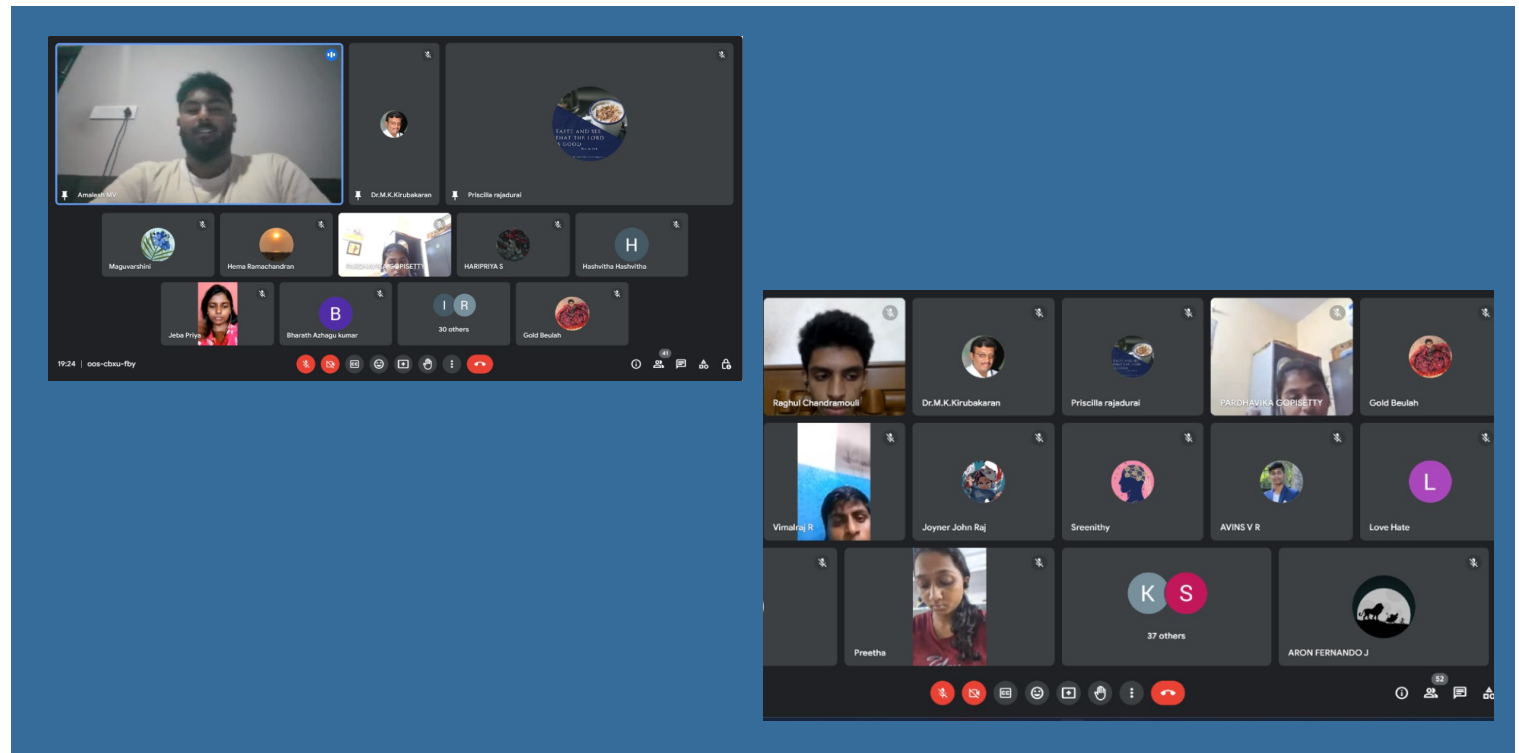


TOPIC : ETHICS IN DATA SCIENCE



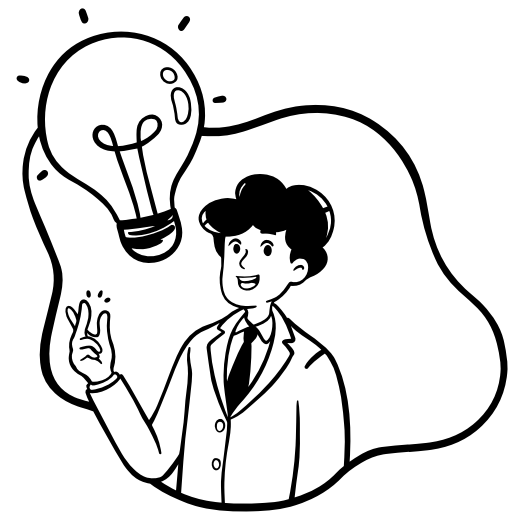
Amalesh MV
Data Engineer

**LatentView Analytics,
Ramanujan IT City SEZ, Chennai**



ALUMINI TALK

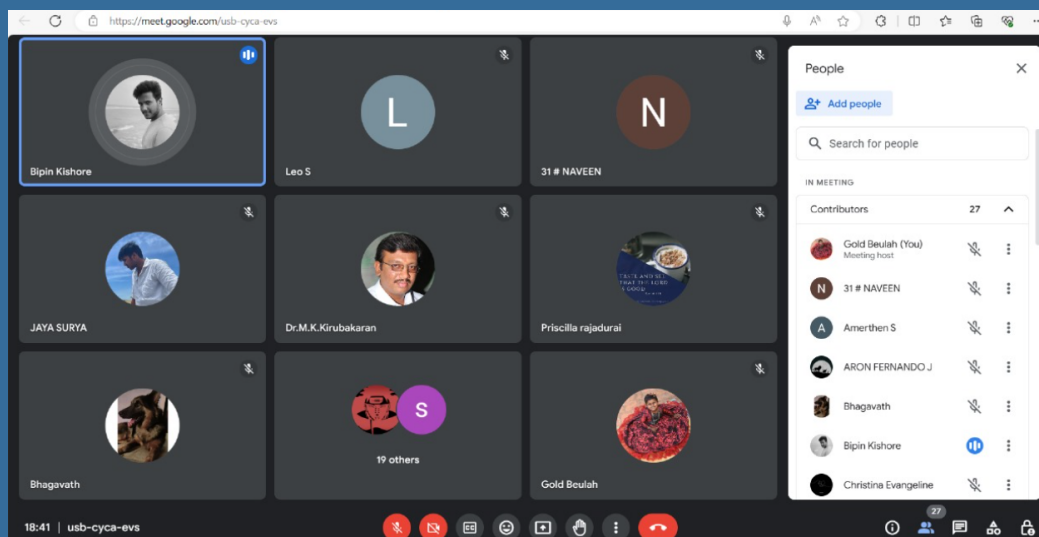
TOPIC : HOW TO CRACK AN INTERVIEW ?



BIPIN KISHORE N
SOFTWARE ENGINEER
Mr.COOPER

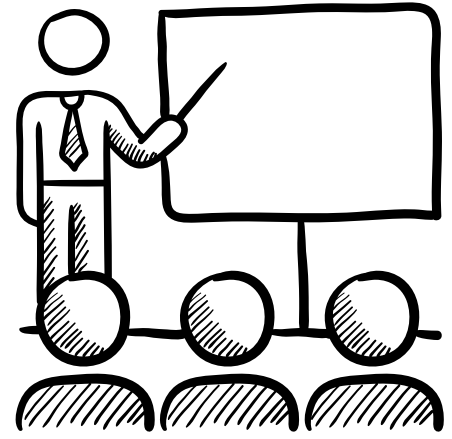


- Practice- A Lot
- Always have questions for them
- Have a company-specific approach
- Have an Idea of the type of Clients, products, and services
- Stay positive and enthusiastic
- More dedicated and prepared you are for your technical interview, the better your chances of passing
- Do take a Mock Interview

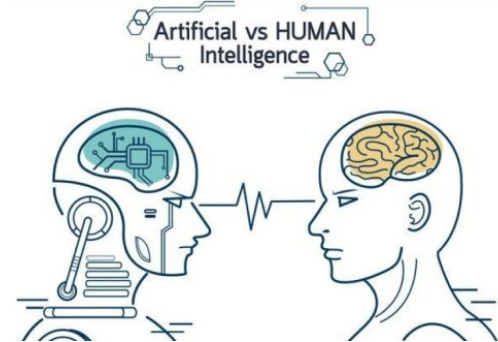


GUEST LECTURE

TOPIC : **FUTURE OF AI OR HUMAN?**



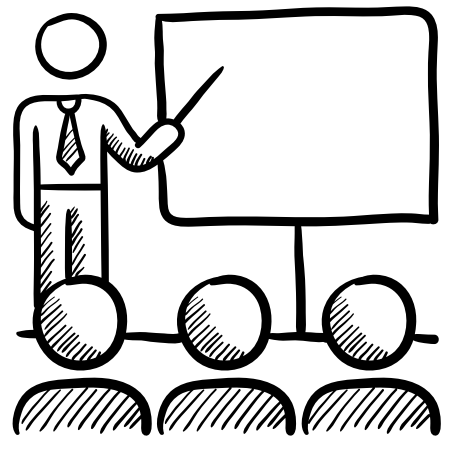
Puja Lal
Senior Development Manager
Newgen Software Technologies Ltd



The guest lecture delved into the future prospects of AI and humanity, addressing the growing apprehension surrounding job displacement caused by the rise of automation. It highlighted how technological progress doesn't just automate tasks but also catalyzes the creation of new opportunities and industries.



GUEST LECTURE



**TOPIC : EXPLORING AI
LARGE LANGUAGE MODELS**



Ms. Abisha J
Data Scientist
Altimetrik Pvt.Ltd,
Ascendas International IT Park, Chennai

Refers to the extensive training data and model size.

Means it makes predictions or responses based on learned data patterns.

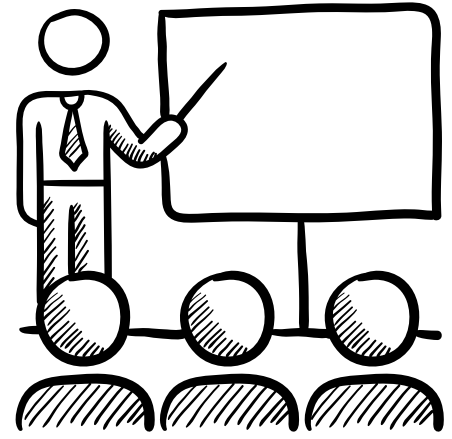
Large Language Model

Denotes its focus on natural language processing.



SPECIAL TALK

TOPIC : HOW I PUBLISH MY FIRST PAPER?



In Association with

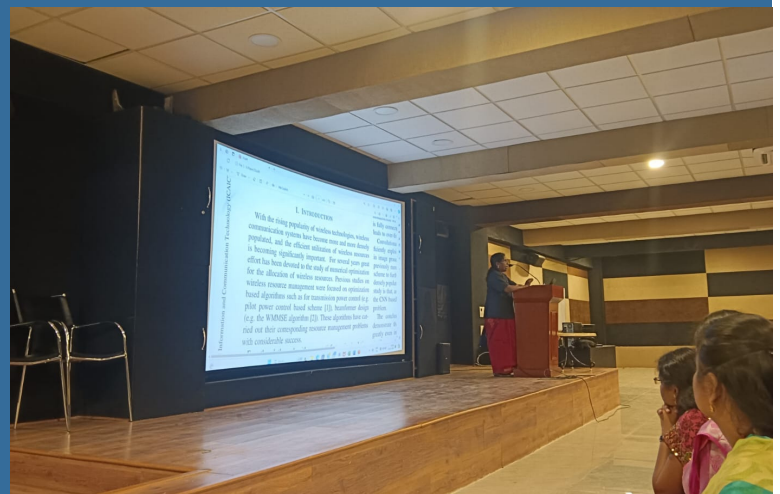
Computer Society of India



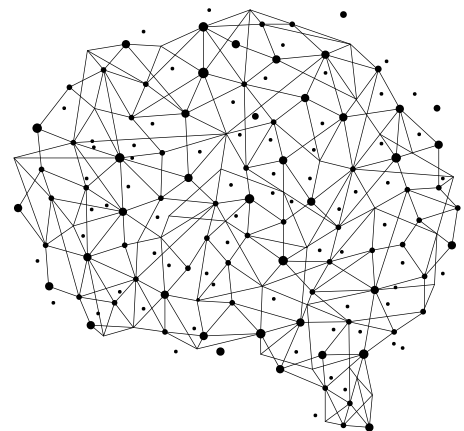
Mrs.J.Gold Beulah M.E., (Ph.D)
Assistant Professor
Artificial Intelligence and Data Science



***DOING RESEARCH AND PERFORMING
EXPERIMENTS IS SCIENCE, BUT WRITING A
GREAT RESEARCH PAPER IS AN ART***



COMPUTER SOCIETY OF INDIA EVENT



"TRANSFORMING INFORMATION: THE EVOLUTION OF AI KNOWLEDGE HUBS"

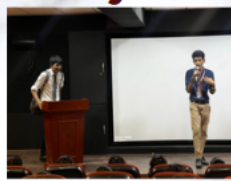
In Association with
Computer Society of India



III Year ADS



Sanjith Kumar



TOPICS

AI

GEN
AI

ML

Cloud

II Year ADS



C Raghul



Thiru Vishagan



Krithik Srinivas



Sugrith VM

I Year ADS



March 01, 2024 & March 18, 2024

The evolution of AI knowledge hubs involved second and third-year students engaging with first-year students to elucidate the transformative nature of AI information. Through interactive sessions, these students shared insights on how AI is reshaping the way information is processed, analyzed, and utilized across various domains. They discussed the evolution of AI technologies, highlighting its potential to revolutionize industries, enhance decision-making processes, and drive innovation.

WOMENS DAY

POWER SEMINAR ON WOMEN EMPOWERMENT



Subha Pandian
Founder & Director
Aqua Women Leadership

POWER SEMINAR
Empowering Leaders

EDITION NO.
2,843

ICTACADEMY

POWER SEMINAR ON
Women Empowerment
06 March 2024

**EMPOWERED
WOMEN
EMPOWER
WOMEN**



WOMENS DAY

TOPIC : IGNITING GIRL POWER



Dr. Shobana Priya
Obstetrics & Gynaecology
Bharath Medical College
and Hospital
Topic: A women's
Health...Nation's Wealth



Ms. Anitha R
Technical Architect
Accenture solutions Private
limited
Topic: Blank Page



Ms. Saradha Govindarajan
Group CFO
Veranda Learning
Solutions Ltd.
Topic: No Limits for
woman to accomplish



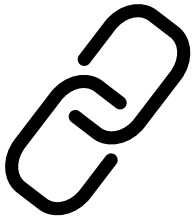
Ms. Naveena S
Clinical Nutritionist
Sri Ramachandra Institute of
Higher Education and Research
Topic: Role of Nutrition in
Women's Health Enhancement



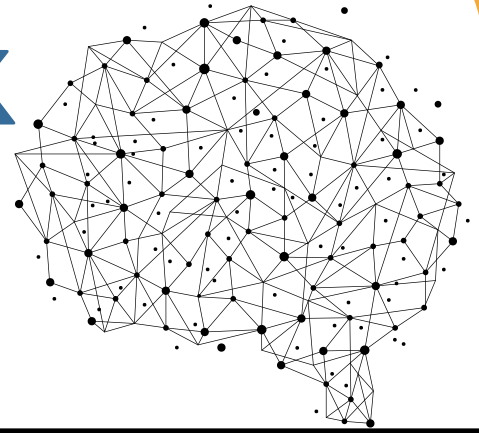
2024



DEMYSTIFYING NEURAL NETWORK



2ND & 3RD YEAR STUDENTS



"Demystifying Neural Networks"

DeepLearning.AI

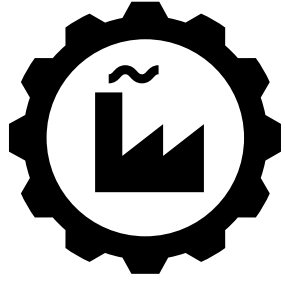


I Year ADS 59 Students diving into the fascinating world of AI! by our II and III Year ADS Students

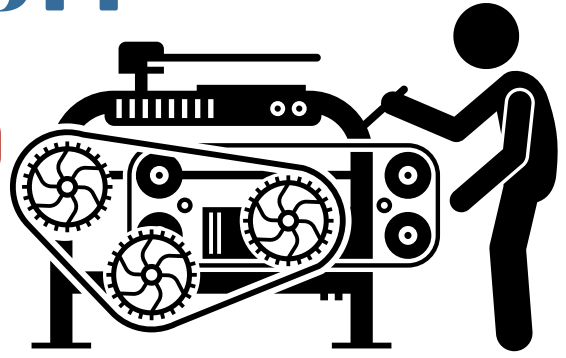


Neural networks represent a powerful tool for solving complex problems in the modern world. By understanding their fundamental principles and capabilities, second and third-year students engaged in an interactive session with first-year students to harness this potential. Together, they aim to drive innovation and collectively tackle the challenges of tomorrow, leveraging the transformative capabilities of neural networks.

INDUSTRIAL VISIT



**KAMARAJ PORT LIMITED
(ENNORE)**



The second-year students' visit to Kamaraj Port in Ennore was accompanied by an expert-led presentation detailing its pivotal role as a vital maritime infrastructure asset fueling trade, commerce, and economic expansion in Southern India. Throughout the visit, the expert discussed various facets, including the port's infrastructure, cargo handling procedures, expansion endeavors, and its profound influence on both regional and national trade and economy.



ACHIEVEMENTS



Raghul C is an 2024 AWS Cloud Club Captain in the C3 Cohort.

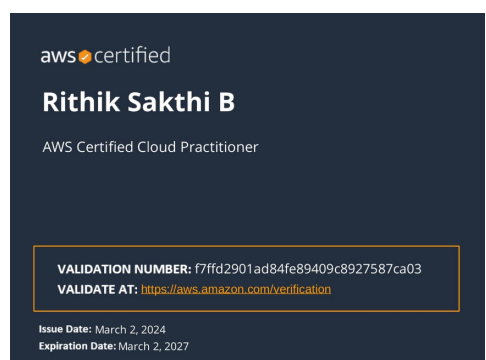
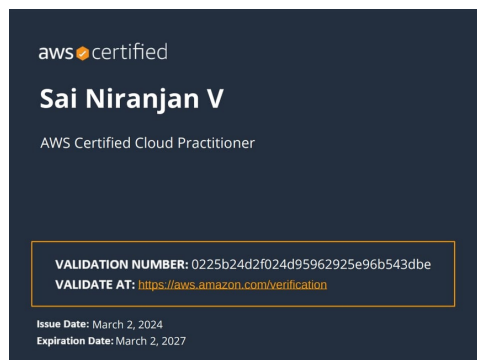
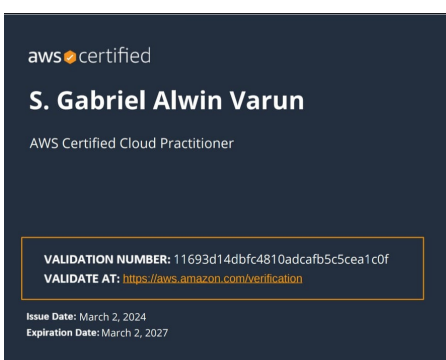
Responsible is to

- Build Cloud Club membership
- Curating Quality Events
- Building next generation of Leaderships

ACHIEVEMENTS



S. Gabriel Alwin Varun, Sai Niranjana V, and Rithik Sakthi B have successfully passed the AWS Cloud Practitioner examination. This certification is an important milestone as it validates a foundational, high-level understanding of AWS Cloud services, and terminology. It serves as an excellent starting point for individuals who are transitioning to a career in the cloud industry without prior IT or cloud experience.



ACHIEVEMENTS



"BEST PAPER AWARD"

Srihari R and Leo S were honored with the "BEST PAPER AWARD" at the **International Conference on Cognitive Computing and Artificial Intelligence (ICCCAI-2024)**, hosted by Sathyabama Institute of Science and Technology, Chennai, in association with Taylor's University, Malaysia, on March 7th and 8th, 2024. Their awarded paper focused on the development of an Intelligent Passenger Counting System for Bus Routes, aimed at optimizing Taxi Aggregator Recommendations.



International Conference on 7th - 8th March, 2024
Cognitive Computing and Artificial Intelligence (ICCCAI-2024)
in association with Taylor's University



ACHIEVEMENTS



"BUSINESS PLAN COMPETITION"



Srihari R, Jaikumar D, and Manju D participated in the **"BUSINESS PLAN COMPETITION"** organized by the Entrepreneurship Club at St. Joseph's Institute of Technology, Chennai, on March 1st, 2024.



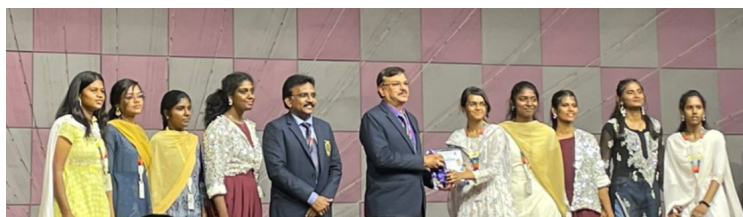
SPORTS WINNERS



★ SPORTS DAY ★

SL.NO	EVENT	CATEGORY	YEAR/SEC	PLACE
1	Ball Badminton	Men	III	Runner

SL.NO	EVENT	CATEGORY	YEAR	PLACE
1	Ball Badminton	Women	II	Runner
2	Basketball	Men	II	Winner
		Women	II	Runner
3	Throwball	Women	II	Winner
4	Kabadi	Men	II	Runner
		Women	II	Runner
5	Badminton (Doubles)	Men	II	Runner
6	TableTennis (Singles)	Krithika DH	II	Winner



CULTURALS WINNERS



QUIZ

RINITH Y
SRIRAM P



CREATIVE WRITING (TAMIL)

BHARATH.A.I

RANGOLI

SNEHA.R

SELMA YAZHINI.A

DUMB C

SHALINI.D

RAMYA.S (ADS)



WORDS ARE
NOT ENOUGH TO
EXPRESS THE
UNCONDITIONAL
LOVE OF MOTHER



COLLEGE DAY WINNERS



Congratulations to all the winners of the college day events!
Your outstanding performances have earned you the prestigious
"Best Performance with cash Award."

FLASHBACKERS	Jenisha Delphin Mary J, Madhu Varshini V, Naveena P, Madhumitha G K, Keerthiya T, Krithika D H, Mamathi S, Jayashree M, Joshitha R	Rs.3000/-
ETHEREAL ESSENCE	Harini T, Harinivashini S, Aarthi M, Harshavardhini C, Abinaya K, Baviya Shree K P, Haseena Barveen R, Gomathi V, Harshini K N, Devadharshini K, Asha Davina A	Rs.3000/-
RADIANT RYTHMS	Yuva Shree M P, Ramya S, Sneha R, Selma Yazhini A, Tarani J, Tejaswini I, Shalini D, Rajeshwari R, Srija S, Subitsha P	Rs.3000/-

Best Performance Award of each team Rs.3000/-

CONGRATULATIONS TEAMS



Ethereal Essence



Flashbackers



Radiant Rythms

II Year

DATE : 23.03.2024



SEERA CLASSES

MARCH 06, 2024



MARCH 15, 2024



MARCH 21, 2024





STAFF ACHIEVEMENTS

Mrs. M. Revathi has filed a patent application titled "**Advancements in Online Transaction Security and Fraud Detection via Backlogging on E-commerce Platforms**" with application number 202441011993 **published on March 8, 2024**. This innovative patent focuses on enhancing the security of online transactions and improving fraud detection mechanisms specifically designed for e-commerce platforms.

Mrs. P. Chitra has submitted a patent application titled "**Prediction of COVID-19 from Chest X-Ray Images Using Deep Transfer Learning**" to the Indian Patent Office. The application number is 202441009530A, **published on March 8, 2024**. This patent focuses on utilizing deep transfer learning techniques to predict COVID-19 from chest X-ray images.

Dr.M.K.Kirubakaran has submitted a patent application titled "**Developing a Consent Management Framework for User-Centric IoT Devices**" to the Indian Patent Office. The application number is 202431017143A, **published on March 22, 2024**. This patent is an essential aspect of ensuring privacy and data protection in the Internet of Things (IoT) ecosystem.

Dr. M.K. Kirubakaran has filed a patent application titled "**IoT Enabled Smart Farming Solution utilizing Drones for Agricultural Industry**" with the Indian Patent Office. The application number is 202421015489A, and it was published on **March 22, 2024**. This innovative solution, which leverages drones for the agricultural industry, signifies a cutting-edge approach to modernizing agricultural practices and enhancing efficiency and productivity in farming operations.