

IGNITE 2024



A DAILY NEWSLETTER

Editor in Chief

Dr. Srinivasan Alavandar
Principal, ACT

Editors

Ms. N Dhivya, AP - S&H
Ms. S Archana AP - EEE
Mr. V Kothantapani - EEE II Year

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PLACEMENT NEWS

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CAMPUS PLACEMENT DRIVE
BATCH 2024 PASSOUT

KCC
KCC PAINTS INDIA PVT LTD

DATE: 12.2.2024 | Eligible Department: B.Tech / CME | Package: 2.5-3 LPA | Drive Venue: COMPANY PREMISES | Job Role: QUALITY ENGINEER



Final year Chemical Engineering students attended a placement drive conducted by **KCC Paints India Pvt. Ltd.** at their company premises on 12th February, 2024. KCC Paint (India) Private Limited is a wholly owned subsidiary of KCC, South Korea, and being Global Leader for the past five decades.

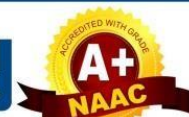
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CAMPUS PLACEMENT DRIVE

BATCH 2024 PASSOUT

COUNSELING CODE 1316

RDC CONCRETE INDIA PVT LTD

DATE: 12.2.2024 | **Eligible Department: B.E, MECH, MAE, MHT, CVL & EEE** | **Package: 3 LPA** | **Drive Venue: HINDUSTAN INSTITUTE OF SCIENCE & TECHNOLOGY** | **Job Role: GRADUATE ENGINEER TRAINEE**



Final year students from the Departments of Electrical & Electronics Engineering, Civil, Mechanical, and Mechatronics attended pool campus drive conducted by RDC Concrete India Pvt. Ltd. on 12th February, 2024. RDC Concrete has established itself as the leading & largest manufacturer and supplier of Ready Mix Concrete (RMC) in India since 1993.

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AIDS WEBINAR SERIES

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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE
Organizes A
WEBINAR
on
“HEIGHT and DISTANCE”

📅 09.02.2024 ⌚ 6.30pm-7.30pm 📍 Google Meet


Resource Person
GOKUL R
Third year
Department of Artificial Intelligence and Data Science

<https://meet.google.com/zgu-qzzv-aby>

Coordinator
Mr.Rahul J
Asst.Prof/AIDS

Co Coordinator
Dr. M.V.Ishwarya
HOD/AIDS

Dr. Srinivasan Alavandar
Principal

The Department of Artificial Intelligence and Data Science has arranged the **WEBINAR SERIES** on Aptitude Topics from 22.1.2024 to 9.2.2024. The webinar on **“HEIGHT and DISTANCE”** was efficaciously conducted by speaker **GOKUL R**, third year AIDS student from 6.30pm to 7.30pm through Google Meet on 9-02-2024. Many positive feedbacks were given by third year AIDS students regarding the same.

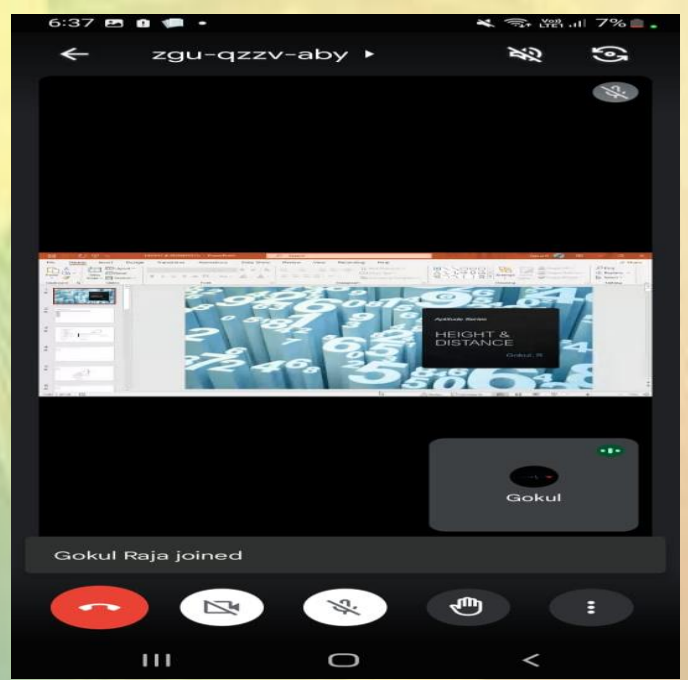
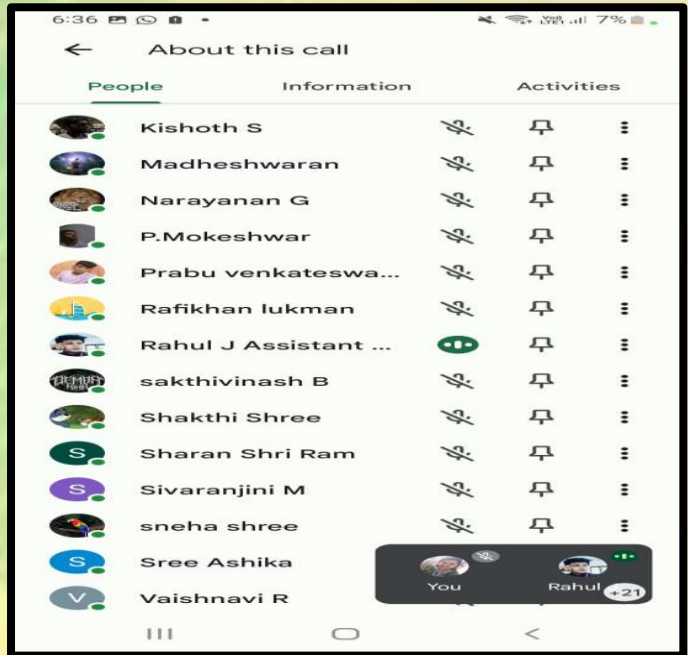
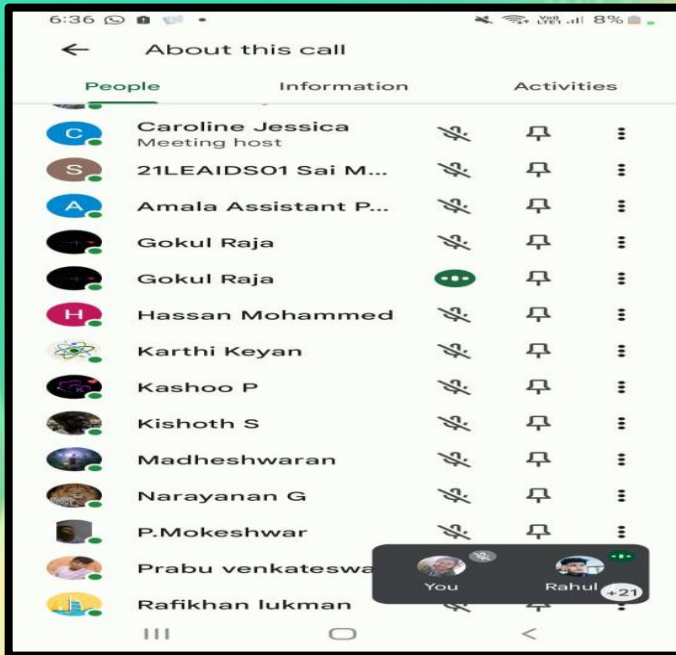
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GALLERY



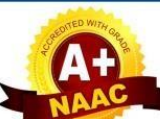
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AIDS PYTHON CODING CONTEST

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IDEATE | CREATE | ELEVATE
AGNI COLLEGE OF TECHNOLOGY

COUNCILING CODE
1316

Department of Artificial Intelligence and Data Science
in association with
Entrepreneurship Development Cell
Organises
**INTER DEPARTMENT
PYTHON CODING CONTEST 2024**


Resource Person
Mr. Lingasamy Eswaramoorthy
Reltuo MDM Technical Architect
TCS



10th Feb 2024
Smart Hall
10.30am to 11.45am
Target Audience:
All Department (III YEARS)

Common Rules:
Students should Know Python Language.
There are 2 Rounds
1st Round : Basic Python Programming Online MCQ Questions.
2nd Round : Python Programming Coding in Online Compiler.
Should bring their Own Laptops and Chargers.
Any Third year student at Agni can participate in the Coding Contest.

Registration Fee: Nil/-
Registration Link:
<https://forms.gle/uewSPwDa3bxqw2M17>
Last Date for Registration: 8th February,2024 till 8pm.

Students Coordinators
G. Narayanan (Hr AI&DS)
R.Hassan mohammed (Hr AI&DS)

Event Coordinator
Mrs. Dhana Bhavithra.K
Assistant Professor, Department of AI&DS
Agni College of Technology

Convenor
Dr. Ishwarya M.V
HOD-AI&DS
Agni College of Technology

PRINCIPAL
Dr. Srinivasan Alavandar
Agni College of Technology

The Department of Artificial Intelligence and Data Science had organized the "INTER DEPARTMENT PYTHON CODING CONTEST" for all the third-year students of Agni College of Technology on 10th February, 2024, from 10.30 to 11.45am at Smart Hall. Resource Person: Mr. Lingasamy Eswaramoorthy, from TCS.

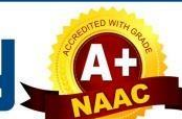
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AIDS PYTHON CODING CONTEST PRIZE WINNERS



The Department of AIDS extends heartfelt congratulations to “THE FIRST THREE WINNERS” of the INTER DEPARTMENT PYTHON CODING CONTEST.

The First Prize: Gokul .R., III Year, Department of AIDS,

The Second Prize: Prithiksha K., III Year, Department of CSE-B

The Third Prize: Karunamoorthy S., III Year, Department of CSE-A.

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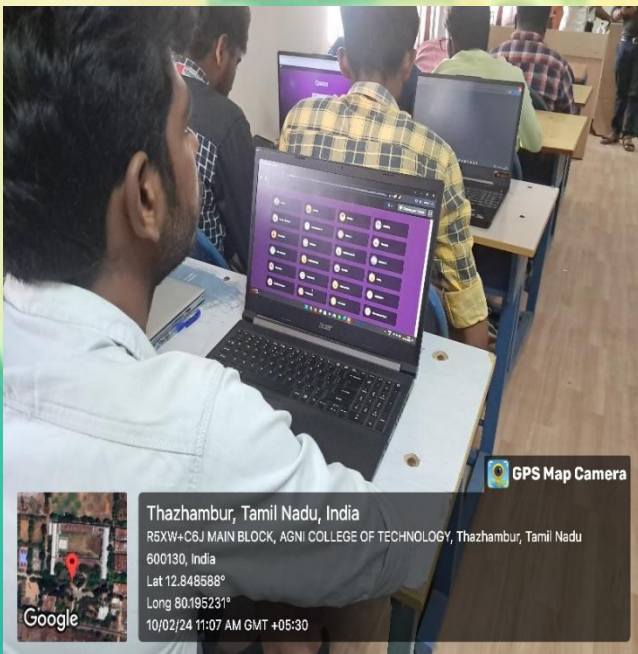
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GALLERY



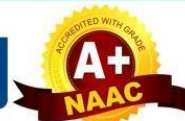
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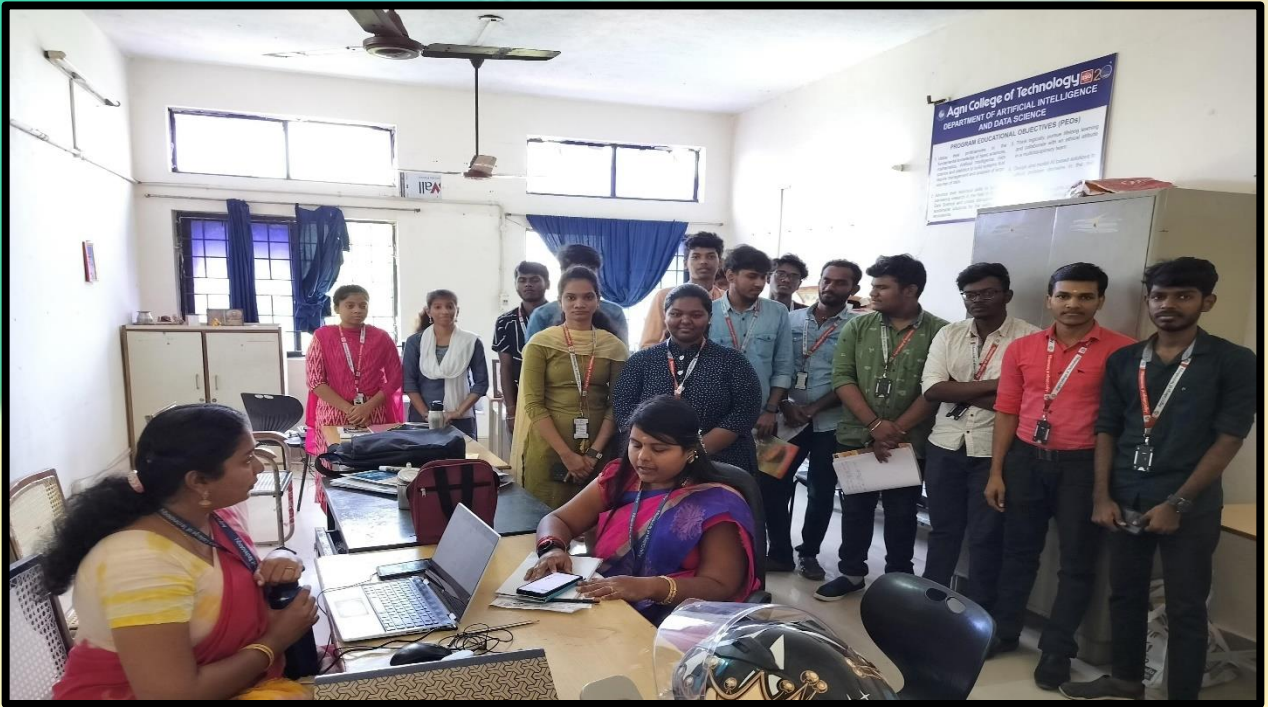
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PROJECT DISCUSSION WITH ASHOK LEYLAND



The students of third year artificial Intelligence and data science discussed their completed projects with “ASHOK LEYLAND” team panel members along with **Dr. Ishwarya.M.V.**, Associate Professor and Head of the Department of AIDS, and **Mr.Amala Preyadarchane.J.**, Class Advisor and Assistant Professor of the Department of AIDS. As a next step, the Ashok Leyland team has asked for the project proposal PPT related to their projects in the automobile industry. Various innovative guidelines were shared by the Ashok Leyland Team with the third year AIDS students on 9th February 2024.

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TNPSC EXAMS



Login ID / பயனாளர் குறியீடு :	shakthisree09		
Email ID / மின்னஞ்சல் முகவரி :	shakthisree76139@gmail.com		
Name of the Applicant / விண்ணப்பதாரரின் பெயர் :	R SHAKTHI SHREE		
Father's Name / தந்தையார் பெயர் :	N RAMESH		
Mother's Name / தாயார் பெயர் :	N ANANDHI		
Mobile Number / கைப்பெசி எண் :	7358641797	Date of Birth / பிறந்த தேதி :	09-03-2004
Gender / பாலினம் :	FEMALE	Marital Status / திருமண நிலை :	
Applicant's birth District / விண்ணப்பதாரர் பிறந்த மாவட்டம் :	Chennai	Applicant's Native District / விண்ணப்பதாரர் பூர்வீக மாவட்டம் :	Chennai
Father's Birth District / தந்தையார் பிறந்த மாவட்டம் :	Chennai	Nationality / தேசிய இனம் :	Citizen of India
Religion / மதம் :	Hindu		

COMMUNAL RESERVATION CATEGORY DETAILS / வகுப்பு மற்றும் சாதி சான்றிதழ் விவரங்கள் :			
Communal Category / வகுப்பு :	Most Backward Class (MBC)	Name of the Sub - Caste / சாதி உட்பிரிவின் பெயர் :	Maruthuvur
Issuing Authority / சான்றிதழ் வழங்கிய அதிகாரி :	ZONAL DEPUTY TAHSILDAR	Certificate No / சான்றிதழ் எண் :	TNS202108061426
Date of Issue / சான்றிதழ் வழங்கப்பட்ட தேதி :	10-08-2021	District / மாவட்டம் :	Chennai
Taluk / வட்டம் :	Guindy		

SSLC DETAILS / பள்ளி இறுதி வகுப்பு (SSLC) விவரங்கள் :			
S.S.L.C. Register Number / பள்ளி இறுதி வகுப்பு பதிவு எண் :	6905173	S.S.L.C. Month/Year of Passing / பள்ளி இறுதி வகுப்பு தேர்ச்சி பெற்ற மாதம் மற்றும் வருடம் :	03/2019
S.S.L.C. Education Board / பள்ளி இறுதி வகுப்பு கல்வி குழுமம் :	State Board	S.S.L.C. Certificate Number / பள்ளி இறுதி வகுப்பு சான்றிதழ் எண் :	10754093

ADDRESS FOR COMMUNICATION / தொடர்பு முகவரி :



Login ID / பயனாளர் குறியீடு :	sreeashika0209		
Email ID / மின்னஞ்சல் முகவரி :	sreeashika2003@gmail.com		
Name of the Applicant / விண்ணப்பதாரரின் பெயர் :	A SREEASHIKA		
Father's Name / தந்தையார் பெயர் :	M ANANDAN		
Mother's Name / தாயார் பெயர் :	A USHARANI		
Mobile Number / கைப்பெசி எண் :	9043503664	Date of Birth / பிறந்த தேதி :	12-09-2003
Gender / பாலினம் :	FEMALE	Marital Status / திருமண நிலை :	
Applicant's birth District / விண்ணப்பதாரர் பிறந்த மாவட்டம் :	Chennai	Applicant's Native District / விண்ணப்பதாரர் பூர்வீக மாவட்டம் :	Chennai
Father's Birth District / தந்தையார் பிறந்த மாவட்டம் :	Chennai	Nationality / தேசிய இனம் :	Citizen of India
Religion / மதம் :	Hindu		

COMMUNAL RESERVATION CATEGORY DETAILS / வகுப்பு மற்றும் சாதி சான்றிதழ் விவரங்கள் :			
Communal Category / வகுப்பு :	Most Backward Class (MBC)	Name of the Sub - Caste / சாதி உட்பிரிவின் பெயர் :	Vannar (Salavai Thezhilalar)
Issuing Authority / சான்றிதழ் வழங்கிய அதிகாரி :	ZONAL DEPUTY TAHSILDAR	Certificate No / சான்றிதழ் எண் :	98AA67686A687E86
Date of Issue / சான்றிதழ் வழங்கப்பட்ட தேதி :	23-02-2018	District / மாவட்டம் :	Chennai
Taluk / வட்டம் :	Velachery		

SSLC DETAILS / பள்ளி இறுதி வகுப்பு (SSLC) விவரங்கள் :			
S.S.L.C. Register Number / பள்ளி இறுதி வகுப்பு பதிவு எண் :	6910218	S.S.L.C. Month/Year of Passing / பள்ளி இறுதி வகுப்பு தேர்ச்சி பெற்ற மாதம் மற்றும் வருடம் :	04/2019
S.S.L.C. Education Board / பள்ளி இறுதி வகுப்பு கல்வி குழுமம் :	State Board	S.S.L.C. Certificate Number / பள்ளி இறுதி வகுப்பு சான்றிதழ் எண் :	10759056

ADDRESS FOR COMMUNICATION / தொடர்பு முகவரி :

Shakthi Shree .R., and ShreeAshika .A., third-year AIDS students, registered for the **Tamil Nadu Public Service Commission (TNPSC)-4** group exam mentored by Mrs. **Pandi Deepa .P.,** Assistant Professor of Artificial Intelligence and Data Science, on 11th February 2024.

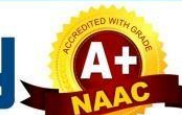
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**AIDS FACULTY PROJECT
PROPOSAL SUBMISSION**



**PROPOSALS (TECHNOLOGY DEVELOPMENT)
Upper Cap Funding Rs.1,00,000**



SEG Name	:	Sustainable Agriculture System
SEG Contact Details	:	Dr. R.N. Padaria, Indian Agricultural Research Institute, New Delhi.
Proposal Id	:	C-16570/TN/CGL/SASM/1LAKH/2
Title of the Technology	:	Farmer's Friend: Conversational AI Bot for Smart Agriculture
Amount Requested For	:	100000
Date of Proposal Submitted	:	09-02-2024
PI Contact Details	:	Dr. P. Purushothaman, purushothamanp.mec@act.edu.in, 7667660754
State	:	Tamilnadu
District	:	Chengalpattu
Village Name	:	Kolathur
Current Status	:	Forward to SEG

Proposal submitted by	Agni College of Technology, Chennai	ICI	Gandhinagar Rural Institute, Dindigul (AISHE Code:-U-0453)
Name of College/Institution	Agni College of Technology, Chennai (AISHE Code:-C-16570)	State	Tamilnadu
District	Chengalpattu	Village Name	Kolathur
Block		Date of submission	09-02-2024
Coordinator Name	Dr. P. Purushothaman	Email ID	purushothamanp.mec@act.edu.i n
Mobile No	7667660754	Principal Investigator	Dhanabhavithra.K
Email of Principal Investigator	dhanabhavithra.aidsg@act.edu.in	Mobile No of Principal Investigator	8807724014

Proposal Overview

Subject Expert Group:	Sustainable Agriculture System
Title Of Technology:	Technology Development
Village where it is to be implemented	Kolathur

Mr.Dhanabhavithra.K., Department of Artificial Intelligence and Data Science, submitted the project proposal titled " **FARMER'S FRIEND: CONVERSATIONAL AI BOT FOR SMART AGRICULTURE**" for "UNNAT BHARAT ABHIYAN" on 9th February 2024.

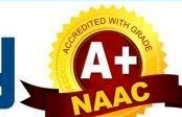
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ALUMNI TALK

Mr. S. Yuvaraj, embracing alumni of the Department of Chemical Engineering, has delivered a profound and insightful journey beyond academic life to the Third year students on **10th February 2024**. He highlighted the importance of overcoming adversity, cultivating growth, building connections, and giving back to the community.

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GUEST LECTURE



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Department of Biomedical Engineering
in association with
Institution Innovation Council
organizes a
GUEST LECTURE
on
"Achieving Problem Solution Fit and Product Market Fit"

📅 09.02.2024 ⏰ 10.00AM 📍 Smart Room
Agni college of Technology

Mr. N. Sree Takshin
Resource Person
Associate Technical Expert
INTEL UNNATI DATA CENTRIC LAB
Crescent Innovation & Incubation Council (CIIC)

Department IIC Coordinator
Ms. Aishwarya Raj
AP/BME

Dr. Sureka N
HOD/ BME

Dr. A. Kalaimurugan
IIC President

Dr. Purushothaman P
IIC convenor

Dr. Srinivasan Alavandar
Principal

III year & IV year students from the Department of Biomedical Engineering had a guest lecture on **"Achieving Problem Solution Fit and Product Market Fit"** in association with the Institution Innovation Council. The resource person was **"Mr. N. Sree Takshin,"** Associate Technical Expert, INTEL UNNATI DATA CENTRIC LAB, Crescent Innovation & Incubation Council (CIIC), which was conducted on 09th February, 2024.

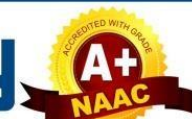
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FACULTY ACHIEVEMENT

2023 9th International Conference on Smart Structures and Systems (ICSSS)

A Comprehensive Evaluation of Driver Drowsiness Identification System using Camera based Improved Deep Learning Methodology

P.Malathi
Department of Data Analytics,
Saveetha College of Liberal Arts and
Sciences, SIATIS,
Chennai, Tamil Nadu, India
malathip113@gmail.com

Sivakami Sundari M
Department of Mathematics,
Agni College of Technology, OMR, Chennai,
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ski.sh@rmkec.ac.in

Umamaheswari.B
Department of Computer Science and
Engineering
Prince Shri Venkateshwara Padmavathy
Engineering College,
Chennai, Tamil Nadu, India
B.Umaheswari_Cse@Psvpec.in

A Thenmozhi
Department of Electronics and
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Kings Engineering College,
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Abstract—Particularly on highways, drowsy driving causes a large number of collisions while driving. With the goal to identify driver sleepiness while enhancing roadway security, it is now vital to grasp the situation and take early remedial steps. Using a proposed Image based Learning Strategy for Drowsiness Identification (ILSDI) and cross-validation with the conventional model called Convolutional Neural Network (CNN), the suggested framework offers an approach to assess the degree of fatigue among drivers according to modifications in a driver eyeballs motion. This will assist in deal with the problem concerning roadway protection. In addition, four types of expressions on the face were identified and categorized—open, closed, blinking, and no gazing using ILSDI and CNN models, indicating levels of tiredness. Finding, following, and analyzing the driver's face and eyes in real-time to calculate a sleepiness index is the goal of this technology, which operates in different lighting circumstances. Avoiding these kinds of accidents is possible with the help of a driver sleepiness monitoring structure, which uses a digital camera and accompanying software to measure the rate of blinking as well as the dimension of the driver's eyes. The driver sleepiness recognition system can identify when the driver is getting sleepy and sound an alarm if necessary. It is based on an offline implementation of a deep learning algorithm that uses ILSDI and CNN.

drivers level of concentration decreases due to tiredness, leading to dangerous situations. This is a leading cause of traffic accidents because it makes drivers far more likely to lose control of their vehicles, veer into oncoming traffic, or possibly crash. Every year, more and more people die and are hurt as a result of drivers being too sleepy to operate a motor vehicle safely. For example, using safety driver drowsiness monitoring technology to reduce the occurrence of accidents that involve drivers who nod off while driving is one way this is put into practice [2]. Poor sleep quality has been associated to a wide range of health problems, including reduced driving ability, as well as behavioral disorders. Not getting enough sleep, being too tired, driving on bad roads and being too worn out are the causes of thousands of accidents every year.

Lots of individuals all around the globe are interested in purchasing cars. Notably, the danger of road accidents is also rising fast in tandem with the proliferation of automobiles on the roadways. Countries with extremely congested roadways have a disproportionately high accident rate. According to a poll by the National Crime Records Bureau, around 0.13 million people died in road accidents

Dr. M. Sivakami Sundari, Assistant Professor, Department of Science and Humanities (Mathematics), has published a research paper titled "A comprehensive Evaluation of Driver Drowsiness Identification System using Camera based Improved Deep Learning Methodology" in IEEE Explore.

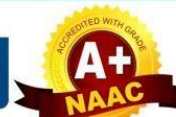
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FACULTY PARTICIPATION



Mrs.L.Prinslin, Assistant Professor, Department of Computer Science and Engineering, has participated and received a certificate in the **Oracle APEX Conclave** on 10th February 2024, at **IIT Madras Research Park**, Tharamani, Chennai.

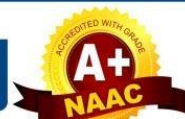
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FACULTY PARTICIPATION



Mrs.Lakshmi Priya R. V., Assistant Professor, Department of Information Technology, has participated in the **6th Annual Conference 2024** on Oracle APEX Conclave via ICT on February 10th, 2024, at IIT Madras Research Park.

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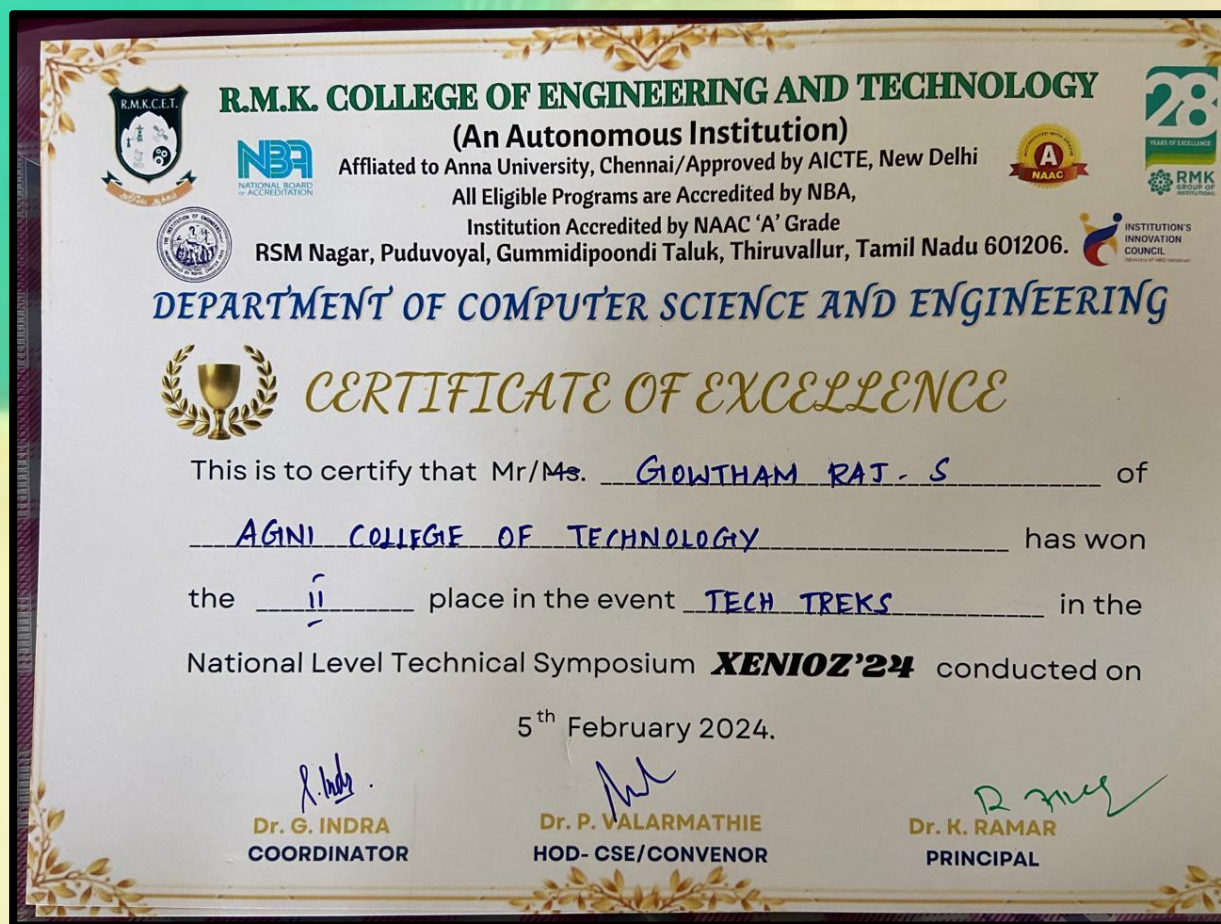


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STUDENT ACHIEVEMENT

Gowtham Raj S, third year, Department of Computer Science and Engineering, has won **second place** in the event **"TECH TREKS"** in the National Level Technical Symposium **XENIOZ'24** conducted by **RMK College of Engineering and Technology** on **5th February 2024**.

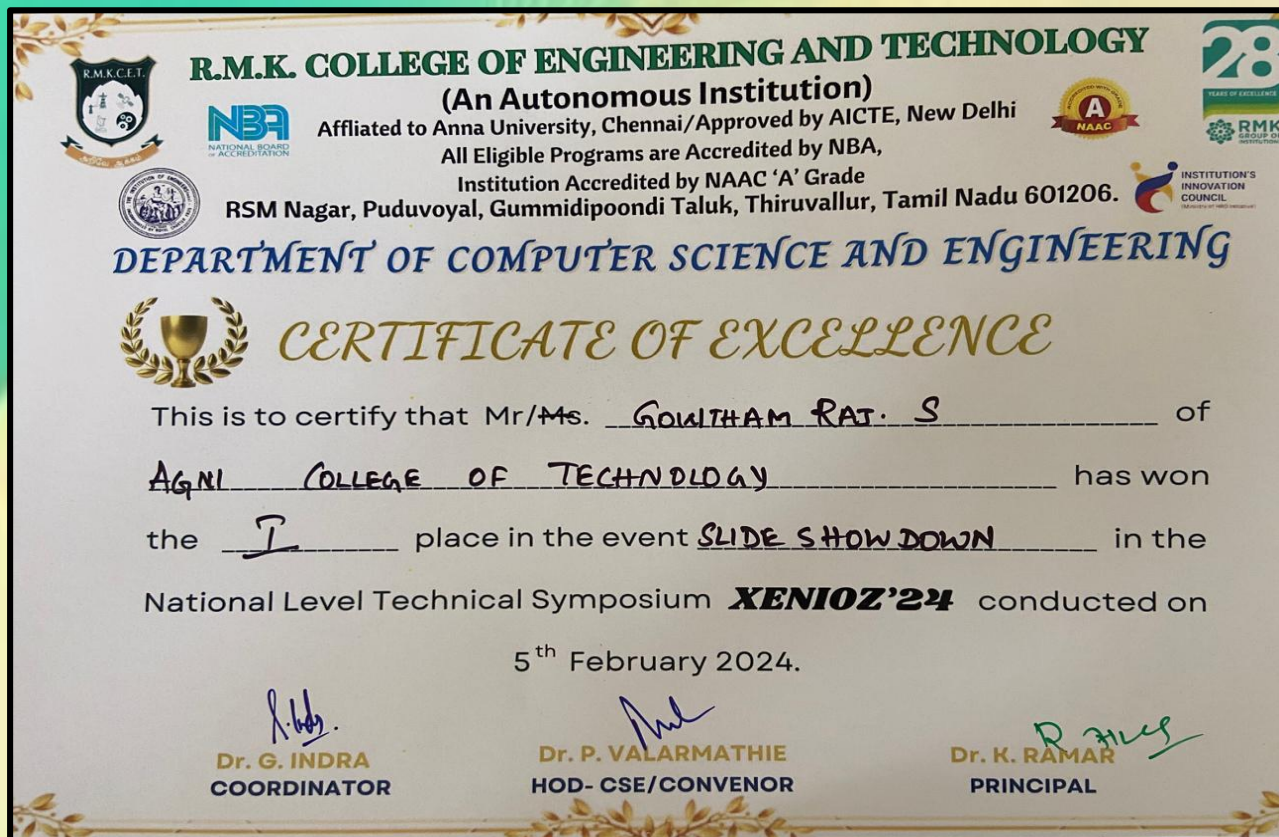
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STUDENT ACHIEVEMENT



Gowtham Raj S, third year, Department of Computer Science and Engineering, has won the **second place** in the event **"SLIDE SHOW DOWN"** in the National Level Technical Symposium **XENIOZ'24** conducted by **RMK College of Engineering and Technology** on **5th February 2024**.

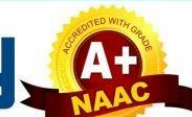
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STUDENTS PARTICIPATION

III Year Hostel Students, Department of Information Technology, had attended an International Conference "KANITAMIL'24" organized by the Tamil Nadu government, where experts from various countries shared their experience and research work. Overall, students gained valuable insights about the integration of Tamil and AI Technology.

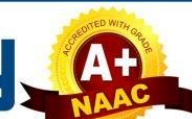
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STUDENT PARTICIPATION



Karunakaran W, third year, Department of Computer Science and Engineering participated in an “**AWS club event**” conducted by **St. Joseph Engineering College**. The event held on 10.2.2024 and gained knowledge about AWS basics, AWS features, AWS job vacancies, kubernetes.

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STUDENT PARTICIPATION



III Year students, Department of Mechatronics Engineering have attended one day workshop on **Robotics Design Principle** held at **SIMATS Engineering**, Chennai on 10th February, 2024. The workshop, led by Mr. R. Ravivarman, a Senior DevOps Engineer at Zoho Corporation Private Limited, covered essential concepts and methodologies in robotics design.

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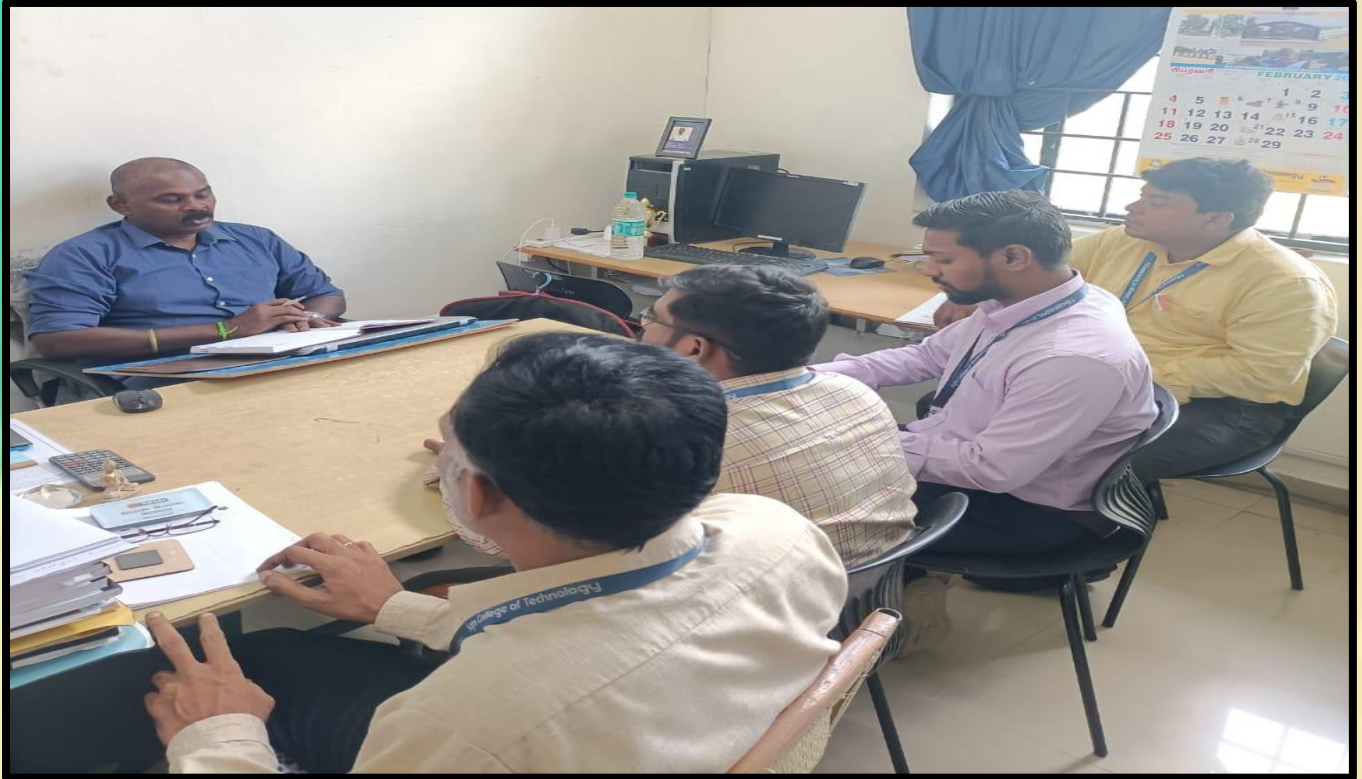
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DEPARTMENT MEETING



Dr. T. Anand, Professor and Head, Department of Mechanical and Automation Engineering, conducted the department meeting on February 12, 2024. Syllabus completion, department board of studies member nomination, 2nd year class reopening, 4th semester course file submission, funding proposals, publications, Pride activity, admission, and ERP are the key points discussed in the meeting.

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AIDS SOFTSKILL TRAINING



The third-year students of AIDS performed **"PUBLIC SPEAKING"** during the SOFTSKILL TRAINING hour on 10th February 2024. Mentored by Dhanabhavithra .K., Assistant Professor, AIDS.

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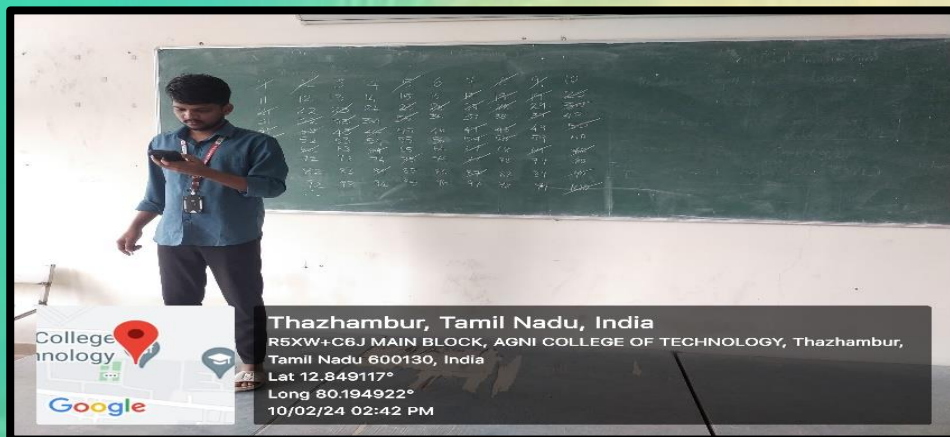
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CLUB ACTIVITIES



“Chem Bingo” was conducted for Third year students on 10.02.2024. Mr. N. Arunodhaya, Assistant Professor, Department of Chemical Engineering, has coordinated the activity. The event has focused on technical cum Nontechnical quiz session. Students participated and showed energetic involvement.

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