

# 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









## PLACEMENT NEWS



Final Year two students from the department of Biomedical Engineering were selected in Greenland Medical Systems as Field Engineer with CTC of 2.5 LPA. Greenland Medical System Company is a Surgical Equipment Supplier.









### STUDENT PLACEMENT



**Trisram V**, final year, Department of Computer Science and Engineering, got placed in **Shiash Info Solutions Private Limited**,and qualified for an Internship under the guidance of **Dr.L.Sharmila** (Head of the Department of Computer Science and Engineering), **G.Umadevi** (Final year class in charge), Assistant Professor.









## STUDENT PLACEMENT



**Abirami H**, Final year, Department of Computer Science and Engineering student got placed in Trikore Software Solutions, as a full stack developer with the stiphen of 10K under the guidance of Dr.L.Sharmila (Head of the Department of Computer Science and Engineering), G.Umadevi (Final year class in charge), Assistant Professor.



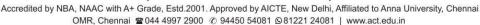




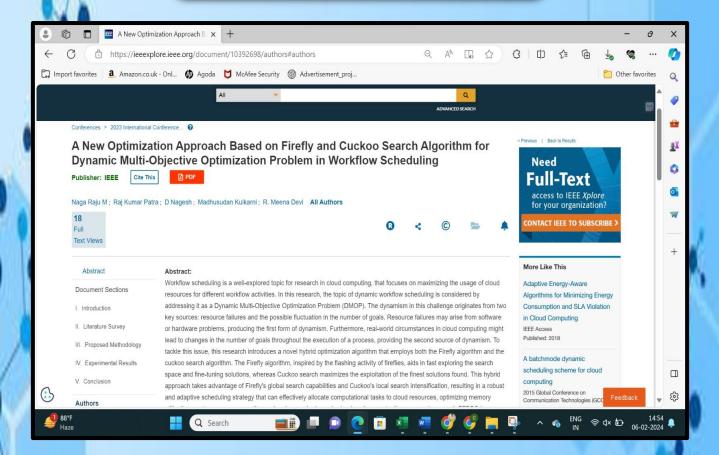


Dr. Srinivasan Alavandar, Professor, Department of Electrical and Electronics Engineering, has been appointed as **Associate Editor** of the **International Journal of Power Electronics and Drive Systems (ISSN: 2088-8694)** for a period of three years, from January 1st, 2024, to December 31st, 2026.









**Dr.R.Meena Devi**, Assistant Professor, Department of Computer Science and Engineering has successfully published a paper on the title "A New Optimization Approach Based on Firefly and Cockoo Search Algorithm for Dynamic Multi-Objective Optimization Problem in Workflow Scheduling" in IEEE Xplore in the month of January 2024.











Dr. Ishwarya M.V., Associate Professor and Head of the Department of Artificial Intelligence and Data Science, received the "EXCELLENCE BOOK OF RECORDS" award by SociallyPoint India-MSME-approved Reg.No. 0002760, on 7<sup>th</sup> February 2024, for her outstanding achievements and remarkable contributions









International Journal of

### INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING

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Original Research Paper

A Novel Pothole Detection Model Based on YOLO Algorithm for VANET

Dr. Kamalakannan S.\*1, Dr. Navaneethan S.², Yogesh S. Deshmukh ³, Dr. Sujay V.⁴ Dr. Sivakami Sundari M.³, Dr. Venkadeshan Ramalingam ⁶, Dr. Jagadeesan D.², Dr. Venkatesh C.³

Submitted: 01/11/2023

Revised: 20/12/2023

Accepted: 02/01/2024

Abstract: The well-maintained highways are essential to the nation's economy because roads serve as the primary means of transport. Locating the potholes is crucial for avoiding accidents and vehicle damage caused by driver distress, as well as minimizing the consumption of fuel. This paper offers a straightforward method for identifying potholes in that regard and preventing collisions and supporting drivers. Deep learning technology is used to detect potholes. Raspberry Pi is used as the controlling device. Using Wi-Fi, the device locates potholes geographically and sends that information to the appropriate authorities for repair. The first action in solving this problem is to design a device that can detect potholes on the road surface continually, warning the driver so drivers can avoid them. The device utilizes the Global Positioning System (GPS) to find the pothole's position. This database is transferred to the cloud by connecting the system to Wi-Fi or 4G technology. The experiments are carried out with a picture database with potholes in different road conditions, different lighting conditions, and real-time video recorded by a speeding vehicle. The You Only Look Once (YOLO) architecture produces a very fast inference time.

<sup>1,3</sup> KGISL Institute of Technology, Coimbatore – 641 035
 <sup>2</sup> Saveetha Engineering College, Chennai – 602 105

3 Sanjivani College of Engineering, Kopargaon

<sup>4</sup> Krishna University College of Engineering and Technology, AP
<sup>3</sup> Agni College of Technology, Chemiai -600 130

<sup>7</sup>The Apollo University, Chittoor, Andhra Pradesh-517127
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different lighting, weather and applying enhancement Deep learning has been accomplished using convolutional neural networks, which use techniques on the data and is a novel method for solving this issue that makes use of thermal imaging. Additionally, a comparison has been made between a self-built convolutional neural network and

Dr. M. Sivakami Sundari, Assistant Professor, Department of Science and Humanities (Mathematics), has published a research paper titled "A Novel Pothole Detection Model Based on YOLO Algorithm for VANET" in International Journal of INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING.

BE AN ACTioneer, Aspire To BE the BEST



# Agnı College of Technology,

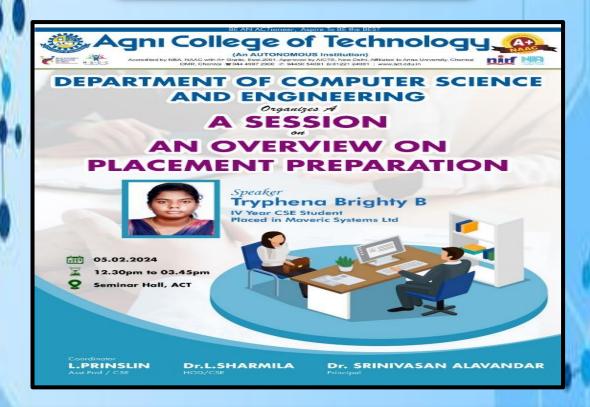








#### STUDENT ACTIVITY



The Department of Computer Science and Engineering has organised an eye-opener session on "An overview on Placement Preparation" for Third year students dated 5.2.2024. Tryphena Brighty B final year student placed in Maveric Systems Ltd., has addressed and given suggestions, clarifications on placement preparation for the students, and suggested tricks for aptitude. Through this session, students got an overview of how to undergo their placements.







## **GALLERY**





















### AIDS WEBINAR SERIES



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 "TIME and WORK" was efficaciously conducted by speaker ARAVINTH.S, third year AIDS student from 6.00pm to 7.00pm through Google Meet on 6-02-2024. Many positive feedbacks were given by third year AIDS students, regarding the same.

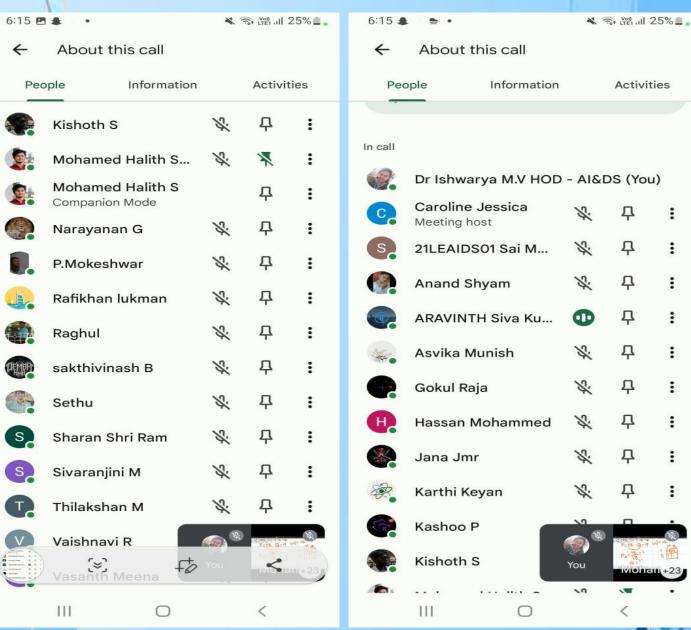








## **GALLERY**















#### WORKSHOP





Department of Mechatronics Engineering and IIC organized a workshop on Entrepreneurial Skill, Attitude and **Behaviour Development** on 06th February, 2024. The guest speaker, Mr. A. Raja, an alumnus of Mechatronics Engineering and Co-Founder of IDEAL 3D (P) Ltd, Chennai, handled the session and addressed the students' questions regarding the steps becoming successful entrepreneurs.









## **CLASSROOM EVENT**



The students of Information **Technology** Ш year participated in the classroom event "shorts" the students prepared a topic summary in one minute short format and explained it with other students for the subject Business Analytics on 7-02-2024 .The session was coordinated by Dr.S.Geerthik (HOD,IT Department).











Pranitha B, Kiruthikaa S, Soundarya P, and Sruthika C, IV year students in the Department of Biomedical Engineering, have successfully participated in various events like Quiz, Laugh a bit and think a bit, photography related to the emotion of a message in Sanskrit, etc. To appreciate their enthusiastic & maximum participation, they have been awarded the "Best Participation Award" by Guru Nanak College (Autonomous) on 5th February, 2024.









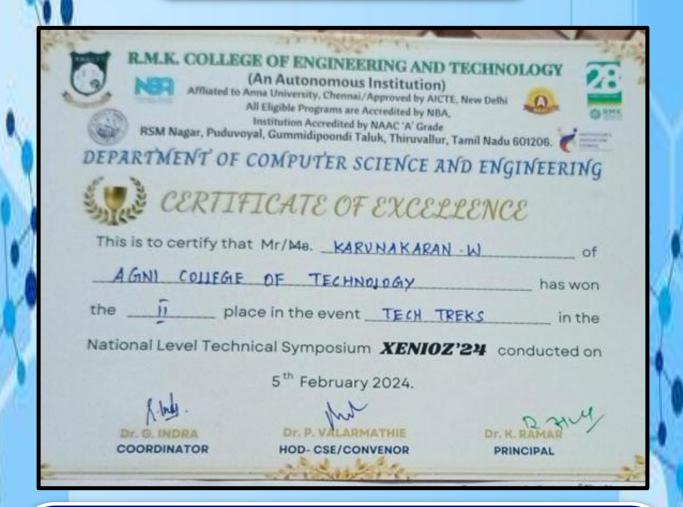
Karunakaran W., Third year, Department of Computer Science and Engineering, has won first place in the event "SLIDE SHOWDOWN" in the National Level Technical Symposium XENIOZ'24 conducted by R.M.K. College of Engineering and Technology on 5th February 2024.











Karunakaran W., Third year, Department of Computer Science and Engineering, has won II place in the event "TECH TREKS" in the National Level Technical Symposium XENIOZ'24 conducted by R.M.K. College of Engineering and Technology on 5th February 2024.











M. Balamanikandan, Third year, Department of Computer Science and Engineering, has won **first place** in the event "SLIDE SHOWDOWN" in the National Level Technical Symposium XENIOZ'24 conducted by R.M.K. College of Engineering and Technology on 5th February 2024.



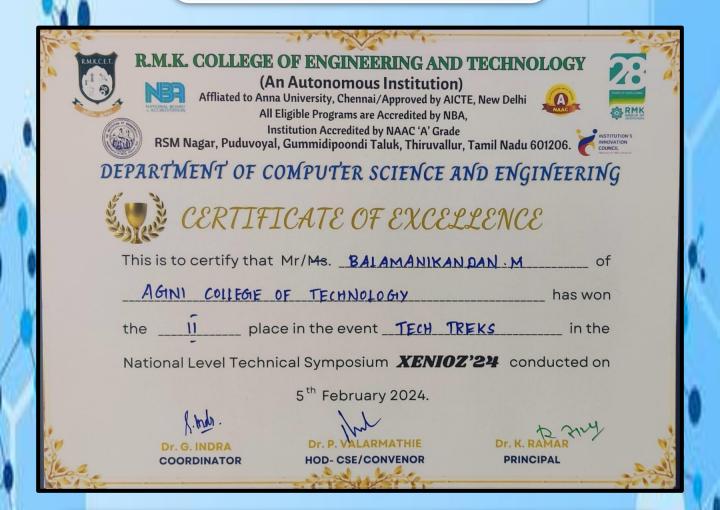




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### STUDENT ACHIEVEMENT



M. Balamanikandan, 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 R.M.K. College of Engineering and Technology on 5th February 2024.







## STUDENT PARTICIPATION



Pranitha B, Kiruthikaa S, Soundarya P, Sruthika C, IV year students in the Department of Biomedical Engineering, have successfully participated in a project presentation on the title "Indian Language System in Sanskrit" which was conducted by Guru Nanak College (Autonomous) in association with Samskrita Bharati Uttara Tamil Nadu on 5th February, 2024.











## CERTIFICATE OF COMPLETION

Presented to

M. Sri Ramsingh

For successfully completing a free online course Introduction to Machine Learning

Provided by

Great Learning Academy

(On February 2024)



To verify this certificate v

**M.Sri Ramsingh**, III Year Student, Department of Aerospace Engineering, has completed an online course on **Introduction to Machine Learning** conducted by Great Learning Academy.









## CERTIFICATE OF COMPLETION

Presented to

#### Arshad Arif A.S.

For successfully completing a free online course Introduction to Machine Learning

> Provided by Great Learning Academy



**Arshad Arif A S**, III Year Student, Department of Aerospace online Engineering, has completed an course on **Introduction to Machine Learning** conducted by Great Learning Academy today.









## STUDENT PARTICIPATION





## **Certificate of Participation**

This is to certify that Nanthini Priya

from Agni College of Technology (ACT), Chennai has participated in the Accenture Innovation Challenge 2023 organised by the Accenture.





Nanthini Priya, III Year Student, Department of Information Technology, has participated in the "Accenture Innovation Challenge 2023" organized by Accenture.





## **IGNITE**

#### HOSTEL COACHING









The Department of Science and Humanities has conducted special coaching classes for hostel students and visited them for the upcoming Anna University exam. During the visit, faculty members taught them tips and tricks, and students were studious and cleared their doubts. This session not only helps students gain a better understanding of their subjects but also enhances their confidence levels.





