

IGNITE 2023



A DAILY NEWSLETTER

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PLACEMENT DIVISION



Selvaraj & Thiruganasampantham, IV year students, Department of ECE have attended **Face to Face Technical Interview** organised by **Emicrolabs Pvt. Ltd.**, Chennai on 27th March 2023 at the company premises.

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STUDENT ACHIEVEMENT

```
import flask
myApp=flask.Flask(__name__)

@myApp.route('/')
def home():
    return "Welcome to my site"

@myApp.route('/contactus')
def contact():
    return "you are in the contact page. contact me @987654321"

@myApp.route('/<lat>/<long>')
def data(lat,long):
    return "your location is latitude " + lat + " and longitude " + long
myApp.run(host='0.0.0.0')
```

Emergency App
Click Me
13.00668,80.25764

Emergency App
Click Me
0,0



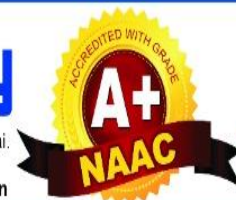
Hariharan R, III year student, Department of Electronics and Communication Engineering has designed a **working model** of an **Emergency Alert Application** made using MIT App Inventor and **Main Server Programmed in Python Language**. The application helps to track the person in distress by sending current location (latitude and longitude) to the main server. It is also recommended to use for women safety.

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STUDENT ACHEIVEMENT



Gayathiri. S, Karthik. D & Lokesh. K, III year students, Department of Civil Engineering have **won second prize** in the event of **Defacto** in the **National Level Technical Symposium** organized by Chennai Institute of Technology, Chennai on 25th March 2023.

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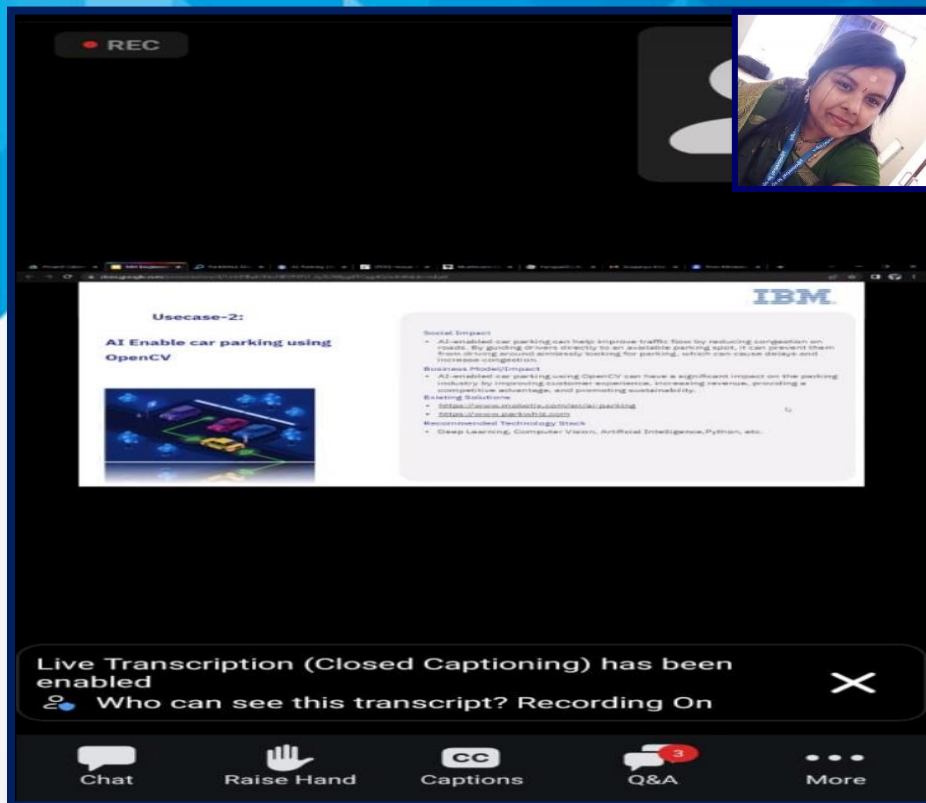
STUDENT ACHIEVEMENT



Farhaan Hussain. M & Kothai Priyanka. D, III year students, Department of Chemical Engineering have **presented a paper** in **GIST-23**, a **National Level Technical Symposium** held at Dhaanish Ahmed College of Engineering, Chennai on 23rd February 2023.

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FACULTY ACHIEVEMENT



Dr. Ishwarya M. V, Head, Department of Artificial Intelligence and Data Science has attended the **Orientation Session** for the course **Professional Readiness for Innovation, Employment & Entrepreneurship** on 27th March 2023.

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FACULTY ACHIEVEMENT

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EPDM/NBR 나노복합체의 기계적 물성에 Halloysite Nanotube(HNT)가 미치는 영향 연구

Raj Kishor Das, K. Ragupathy*, T. Senthil Kumar**, and S. Vishvanathperumal***

Department of Mechanical Engineering, Hi-Tech Institute of Technology
*Department of Mechanical and Automation Engineering, Agni College of Technology
**Department of English, S.A. Engineering College, Thiruvarkadu
***Department of Mechanical Engineering, S.A. Engineering College, Thiruvarkadu
(2022년 12월 2일 접수, 2023년 1월 25일 수정, 2023년 1월 30일 채택)

Effect of Halloysite Nanotubes (HNTs) on Mechanical Properties of EPDM/NBR Blend-Nanocomposites

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**Department of English, S.A. Engineering College, Thiruvarkadu, Chennai, Tamilnadu - 600077, India
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(Received December 2, 2022; Revised January 25, 2023; Accepted January 30, 2023)

Abstract: The nanocomposite of ethylene-propylene-diene monomer (EPDM), acrylonitrile-butadiene rubber (NBR), and halloysite nanotubes (HNTs) was produced. On a two-roll mill, the 0-25 parts per hundred rubber (phr) of HNTs with 70/30 EPDM/NBR was mixed. The effect of HNT on the cure characteristics (scorch (t_c) and optimum cure time (t_{90}), cure rate index, maximum torque, minimum torque and torque difference) and mechanical properties of the composites were studied and discussed. Scanning electron microscopy (SEM) was used to examine the surface morphology of tensile-fractured EPDM/NBR rubber-HNTs. Tensile strength, 100% modulus, elongation at break, tear strength, hardness, abrasion resistance, and compression set were increased whereas rebound resilience, t_c , and t_{90} were decreased with increasing in the concentration of HNTs in it.

Keywords: ethylene-propylene-diene monomer/acrylonitrile-butadiene rubber, halloysite nanotubes, cure behavior, mechanical properties, abrasion resistance.



Dr. K. Ragupathy, Assistant Professor, Department of Mechanical and Automation Engineering has published a paper on the title **Effect of HNT on Mechanical Properties of EPDM/NBR Blend - Nano composites** on 25th March 2023.

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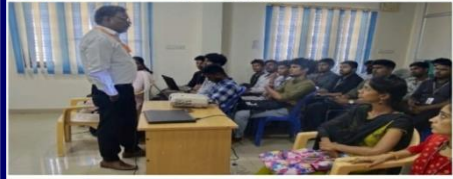


FACULTY PARTICIPATION



Mr. Vishnuvardhan. S, Assistant Professor, Department of Civil Engineering has participated in the **Webinar** on **Expansion Joints and Bearing of Bridges** organized by Ultra Tech Cement Ltd., Chennai on 25th March 2023.

INDUSTRIAL VISIT



INFOGROTECHNOLOGY



The Department of Computer Science and Engineering has organized an **Industrial Visit** to **Infogro Technologies**, Maduravayol, Chennai. III year students were accompanied by two faculty members on 25th January 2023.

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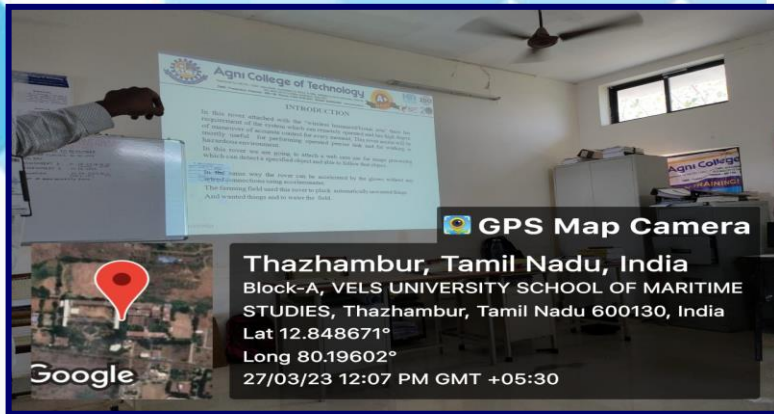
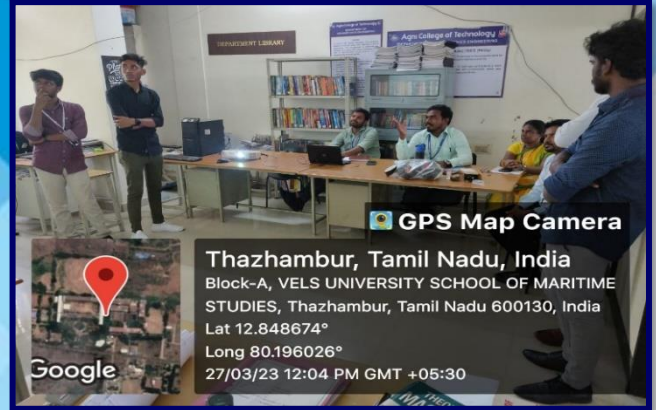
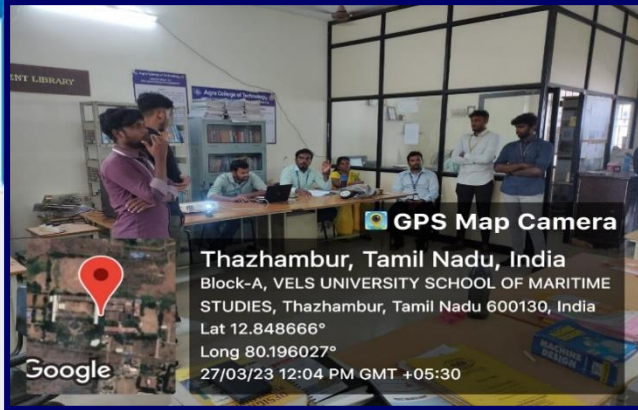


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PROJECT REVIEW



The Department of Mechatronics Engineering has conducted second review meeting for the final year students on 27th March 2023. The students presented their project methodologies & progress. Inputs & suggestions were given by the project review panel members regarding hardware implementation, product development and paper publication.

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PROJECT REVIEW



Dr. T. Anand, Head & Professor, Department of Mechanical and Automation Engineering has conducted second project review on 27th March 2023 for the final year students and reviewed the quality of the project work and to expedite it.

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