

IGNITE 2024



A DAILY NEWSLETTER

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**Dr. Srinivasan Alavandar
Principal, ACT**

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**Mr. K. Balaji Sundharam, AP - S&H
Ms. S. Archana AP - EEE
Mr. V. Kothantapani - EEE II Year**

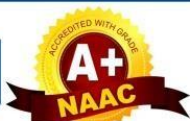
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PLACEMENT NEWS

CORE PLACEMENTS

COUNSELING
CODE

1316

2024
Batch



9.5 LPA



Infosys

Ms. Jenani Sudhakar, from the department of Computer Science Engineering, was got selected by the Infosys Pvt Limited as Specialist Programmer with CTC of 9.5 LPA. Infosys Limited is an Indian multinational information technology company that offers business consulting, information technology, and outsourcing services.

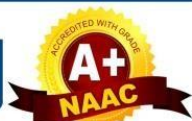
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PLACEMENT DRIVE



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**CAMPUS
PLACEMENT DRIVE**

BATCH 2025 PASSOUT

**HEXAWARE
HEXAWARE TECHNOLOGIES**

COUNSELING CODE
1316



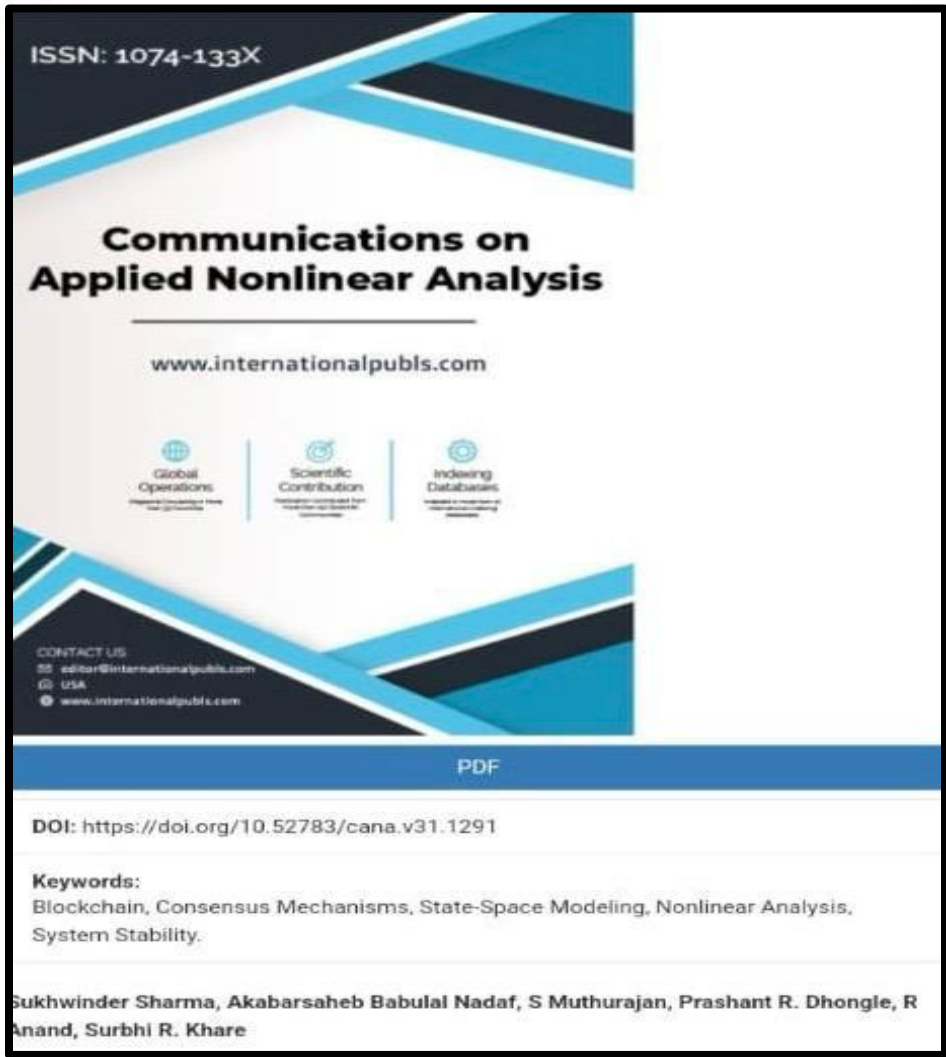
Date: 29th Aug 2024	Eligible Department: CSE IT AIDS ECE EEE	Package: 4-6 LPA	Drive Venue: COLLEGE PREMISES	Job Role: Software Engineer
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The final year students from CSE, IT, AIDS, EEE and ECE, attended an **online assessment** for “Hexaware Technologies” on **29th August 2024**. Hexaware Technologies is a holding company that provides IT services, business process outsourcing, and consulting services to clients.

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FACULTY ACHIEVEMENT



Mr. S Muthurajan, Assistant Professor, EEE, has successfully published a paper titled “Communications on Applied Nonlinear Analysis” Indexed in Scopus.

FACULTY ACHIEVEMENT

Artificial Neural Network Prediction of Tribological Properties of Nano Lubricants with Eco-Friendly Refrigerant



¹Yamini. S, ²Sivakami Sundari M., ³Sekar. S, ⁴Senthil Kumar. K, and ⁵Divya. S

¹Assistant Professor, Department of Mechanical Engineering, Mohammed Sathak AJ College of Engineering and Technology, Chennai

²Assistant Professor, Department of Mathematics, Agni College of Technology, Chennai

³Professor, Department of Mechanical Engineering, Rajalakshmi Engineering College, Chennai

⁴Professor, Department of Mechanical Engineering, Jeppiaar Engineering College, Chennai

⁵UG Student, Department of Electronics and Communication Engineering, Government college of Engineering Srirangam, Thiruchirappalli

E-mail : yaminisk23@gmail.com, sivakamisundarimaths@gmail.com, sekar.s@rajalakshmi.edu.in, vecsenthil@gmail.com, divyas625513@gmail.com

Abstract- With the emergence of the Montreal and Kyoto Protocols, there's been a prohibition on refrigerants in vapor compression systems that harm the ozone layer and contribute to global warming. While alternative refrigerants have been suggested, they tend to be more energy-intensive than the conventional ones they replace. A promising approach to mitigate this increased energy consumption lies in the use of innovative lubricants that can enhance system efficiency. Nano-lubricants have recently gained attention for their superior performance compared to traditional lubricants in refrigeration systems. However, formulating nano-lubricants and determining their composition with the desired thermophysical and tribological properties pose significant challenges. The development of nano-lubricants requires extensive experimentation, and predicting the properties of these lubricants, especially those that offer optimal performance, demands even more rigorous experimentation.

introduces a realm of study focused on creating materials with average crystallite dimensions below 100 nm, termed nanoparticles. These nanoparticles encompass four main categories: Carbon-based (like Carbon nanotubes), Metal-based (including metal oxides like aluminium oxides), Dendrimers (nano-scale polymers), and Composites (nano-clay structures). When these particles disperse within conventional fluids such as water, oil, or ethylene glycol, they become known as "Nanofluids". Nanoparticles exhibit extended suspension times compared to larger particles, and when properly stabilized, they can remain suspended almost indefinitely. Nanofluids manifest distinct nano-structural attributes and offer superior properties in mechanical, thermal, physical, and chemical aspects compared to traditional materials[3]. Additionally, the nanoparticle surface area per volume vastly surpasses that of micro-particles by millions of

Dr. M. Sivakami Sundari, Assistant professor, Department of Science and Humanities (Mathematics), published an **article** titled "Artificial Neural Network prediction of tribological properties of Nana lubricant with Eco-Friendly Refrigerant" in IEEE, (Scopus indexed).

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FACULTY ACHIEVEMENT



Mrs. Pandi Deepa, Assistant Professor, Department of AI&DS, has successfully completed and received the completion certificate for an Online Certification Course on "Machine Learning and GenAI" with a test score of 90%. It was organized by I EduVibhu in association with Aditya Learning Academy A.P. 05th August 2024 to 16th August 2024.

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FACULTY PARTICIPATION



CERTIFICATE OF PRESENTATION

This is to certify that

Senthil G A

have successfully presented the paper entitled

ADR: Enacting a Holistic Strategy for Utilizing AI Pharmacovigilance Adverse Drug Reaction in Healthcare Systems using Machine Learning and Blockchain

at the 2nd International Conference on Intelligent Cyber Physical Systems and Internet of Things (ICoICI 2024) on 28-30 August 2024, organized by Department of BEE, JCT College of Engineering and Technology, Coimbatore, Tamil Nadu, India.

Session Chair

Conference Chair
Dr. B. Balraj

Principal
Dr. S. Manoharan

Dr. Senthil G A, Associate Professor, Department of Information Technology, attended the **IEEE International Conference** at **JCT College of Engineering and Technology, Coimbatore** and presented his project titled “**ADR Enacting a Holistic Strategy for Utilizing AI Pharmacovigilance Adverse Drug Reaction in Healthcare Systems using machine learning and Block Chain**” on 28th August 2024.

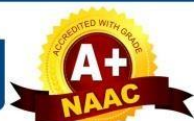
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FACULTY PARTICIPATION



CERTIFICATE OF PRESENTATION

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Geerthik S

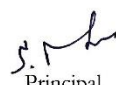
have successfully presented the paper entitled

ADR: Enacting a Holistic Strategy for Utilizing AI Pharmacovigilance Adverse Drug Reaction in Healthcare Systems using Machine Learning and Blockchain

at the 2nd International Conference on Intelligent Cyber Physical Systems and Internet of Things (ICoCI 2024) on 28-30 August 2024, organized by Department of EEE, JCT College of Engineering and Technology, Coimbatore, Tamil Nadu, India.


Session Chair


Conference Chair
Dr. B. Balraj


Principal
Dr. S. Manoharan

Dr. Geerthik S, Head of the Department, Information Technology, attended the **IEEE International Conference** at **JCT College of Engineering and Technology, Coimbatore** and presented his project titled **“ADR Enacting a Holistic Strategy for Utilizing AI Pharmacovigilance Adverse Drug Reaction in Healthcare Systems using machine learning and Block Chain”** on 28th August 2024.

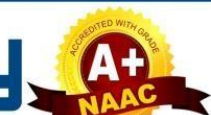
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FACULTY PARTICIPATION



Dr. Dhanasakkaravarthi.B, AP, Department of Mechanical Engineering, participated in the “**Champions of India: National Sports Day Quiz 2024**” conducted by FIT India in collaboration with MyGov.

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FACULTY PARTICIPATION



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**Rajalakshmi
Institutions**

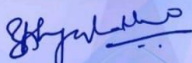
CERTIFICATE OF PARTICIPATION

It is certified that

Dr./Mr./Ms **Dr.R.Ratheesh, Assistant Professor**

of **Agni College of Technology**

has attended **six days online Faculty Development Program**
on **"Industrial Applications of Embedded Systems and IoT"**
between **22/08/2024** and **28/08/2024** organised by
Department of Electronics and Communication Engineering,
Rajalakshmi Engineering College in association with IIC,REC
and IEEE Communication society,REC.



Dr.L.Bhagyalakshmi
Head of the Department, ECE



Dr. S.N. Murugesan
Principal

Dr. R. Ratheesh, Head, Assistant professor, Department of Electronics and Communication Engineering, attended a six-day online Faculty Development Program on **"Industrial Applications of Embedded Systems and IoT"** from 22nd August 24 to 28th August 24.

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FACULTY PARTICIPATION



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**INSTITUTION'S
INNOVATION
COUNCIL**
(Ministry of Education Initiative)




**Rajalakshmi
Institutions**

CERTIFICATE OF PARTICIPATION

It is certified that

Dr./Mr./Ms **Dr. J. Rajeswari, Assistant Professor**

of **Agni College of Technology**

has attended six days online Faculty Development Program
on "Industrial Applications of Embedded Systems and IoT"
between 22/08/2024 and 28/08/2024 organised by
Department of Electronics and Communication Engineering,
Rajalakshmi Engineering College in association with IIC,REC
and IEEE Communication society,REC.



Dr.L.Bhagyalakshmi
Head of the Department, ECE



Dr. S.N. Murugesan
Principal

Dr. J. Rajeswari, Assistant professor, Department of Electronics and Communication Engineering, attended a six-day online Faculty Development Program on "Industrial Applications of Embedded Systems and IoT" from 22nd August 24 to 28th August 24.

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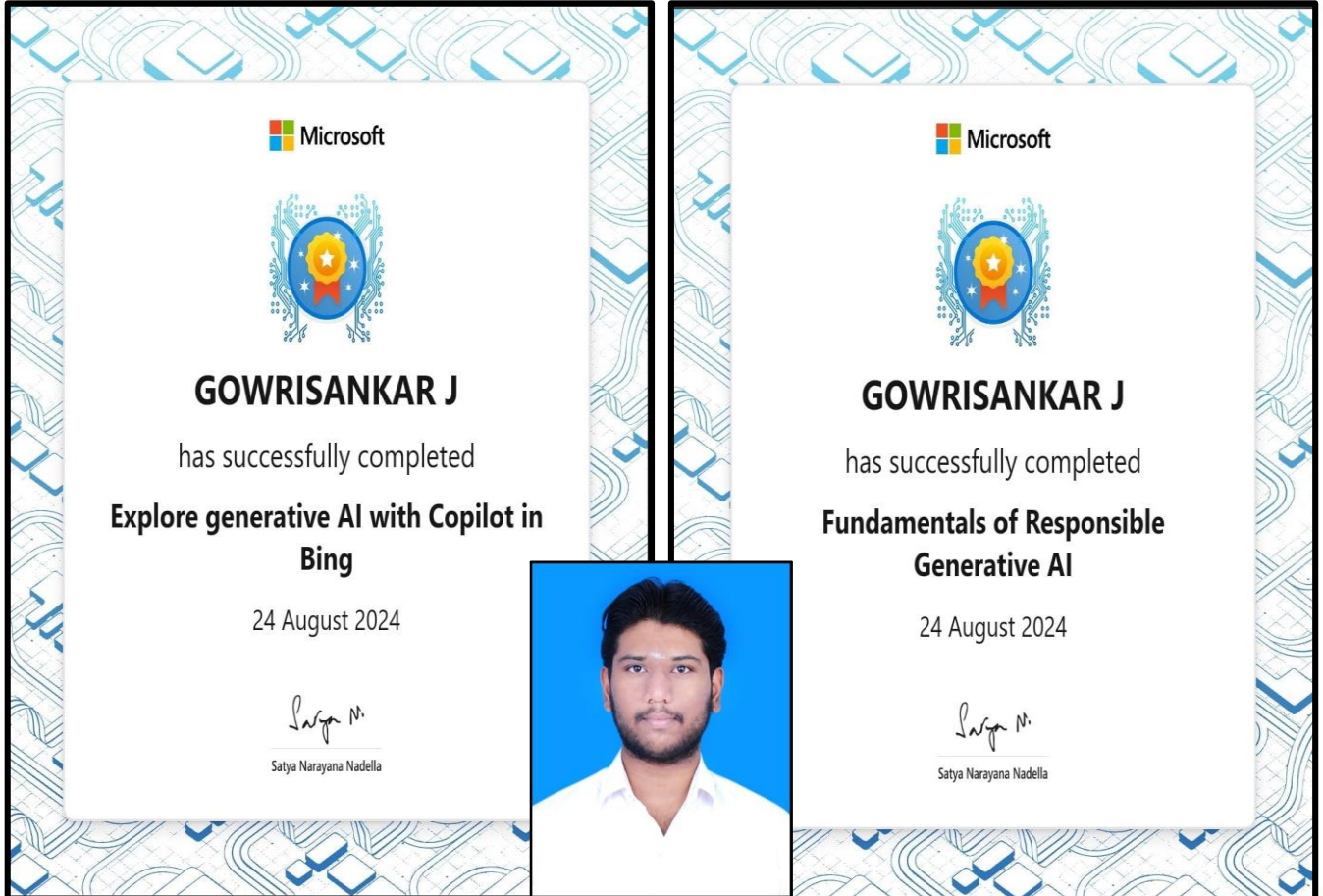
STUDENT ACHIEVEMENT



V. Kothandapani – II Year, EEE, has successfully completed the “30 days Masterclass” in **DATA ANALYTICS** from July 15th to August 13th 2024 conducted by NoviTech R&D Pvt Limited.

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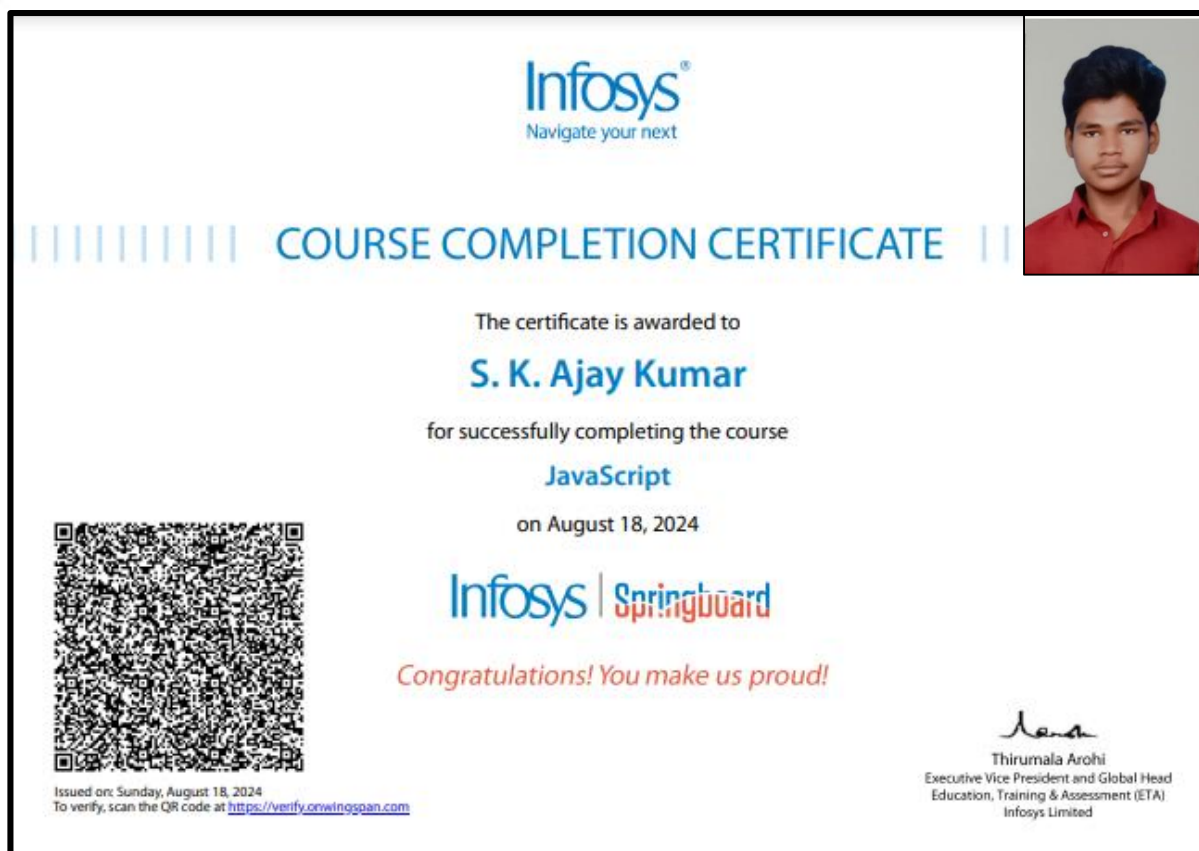
STUDENT ACHIEVEMENT



Gowrisankar J, IIIrd Year Student, Department of Information Technology, has completed an online course on “**Explore generative AI with Copilot in Bing, Fundamentals of Responsible Generative AI**” organized by Microsoft on 24th August 2024.

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STUDENT ACHIEVEMENT



Ajay Kumar S K, IIIrd Year Student, Department of Information Technology, has completed an online course on **“JavaScript”** organized by Infosys | SpringBoard on 18th August 2024.

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STUDENT ACHIEVEMENT

S.NO	NMNT Id	College Code & College Name	District	Zone	Team Lead - Student Name	Faculty Guide Name
1	NMNT845	3128-Agni College of Technology	Chennai	Chennai - 1	Tamilarasan S	Ms V.Nivi
2	NMNT249	3111-LOYOLA - ICAM COLLEGE OF ENGINEERING AND TECHNOLOGY	Chennai	Chennai - 1	Yashwanth Premraj VP	Mr. D. James Deepak
3	NMNT559	2116-RAJALAKSHMI ENGINEERING COLLEGE	Chennai	Chennai - 1	Jagan Balaji T	Dr. M. Sridevi
4	NMNT561	2122-Saveetha Engineering college (Autonomous)	Chennai	Chennai - 1	Sagul	Dr.Umarani V
5	NMNT925	2117, Rajalakshmi Institute of Technology	Chennai	Chennai - 1	Joel Joseph	Dr. Arthi A

The final year students **Tamilarasan, Muthukumaran, Vishali, Karuppaiya** from the department of Information Technology, attended a **Niral Thiruvizha funded project** and shortlisted the **top 150 teams**, and they were **granted Rs.10000** for being shortlisted. The Project titled "**An Integrated Chatbot Platform for Precision Agriculture and Farmer Support: Agribot**" is guided by Nivi V, Assistant Professor, IT. They are one step away from getting into the top 50 teams and securing a cash prize of Rs. 1 lakh.

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STUDENT ACHIEVEMENT



Bharath B, IVth year, Department of Biomedical Engineering, has completed the internship at **Mycro Health Care** as a Biomedical Engineer in the service department from 1st August to 17th August 2024.

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STUDENT PARTICIPATION



Jai Andru Barnik, IIIrd year student, Department of Civil Engineering, has successfully completed an online certification course titled “Introduction to Microsoft Excel” provided by Coursera Project Network on 28th August 2024.

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STUDENT PARTICIPATION



CERTIFICATE OF PRESENTATION

This is to certify that

Jasphin Vijay J

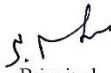
have successfully presented the paper entitled

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at the 2nd International Conference on Intelligent Cyber Physical Systems and Internet of Things (ICoICI 2024) on 28-30 August 2024, organized by Department of EEE, JCT College of Engineering and Technology, Coimbatore, Tamil Nadu, India.


Session Chair


Conference Chair
Dr. B. Balraj


Principal
Dr. S. Manoharan

Jasphin Vijay J, IVth Year Student, Department of Information Technology, attended the **IEEE International Conference** at **JCT College of Engineering and Technology, Coimbatore** and presented his project titled “**ADR Enacting a Holistic Strategy for Utilizing AI Pharmacovigilance Adverse Drug Reaction in Healthcare Systems using machine learning and Block Chain**” on 28th August 2024.

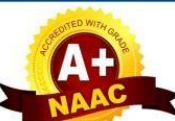
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STUDENT PARTICIPATION



CERTIFICATE OF PRESENTATION

This is to certify that

Mohanakrishnan K

have successfully presented the paper entitled

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at the 2nd International Conference on Intelligent Cyber Physical Systems and Internet of Things (ICoICI 2024) on 28-30 August 2024, organized by Department of EEE, JCT College of Engineering and Technology, Coimbatore, Tamil Nadu, India.


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Dr. B. Balraj


Principal
Dr. S. Manoharan

Mohanakrishnan K, IVth Year Student, Department of Information Technology, attended the **IEEE International Conference** at **JCT College of Engineering and Technology, Coimbatore** and presented his project titled **“ADR Enacting a Holistic Strategy for Utilizing AI Pharmacovigilance Adverse Drug Reaction in Healthcare Systems using machine learning and Block Chain”** on 28th August 2024.

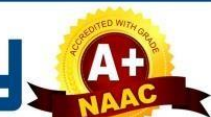
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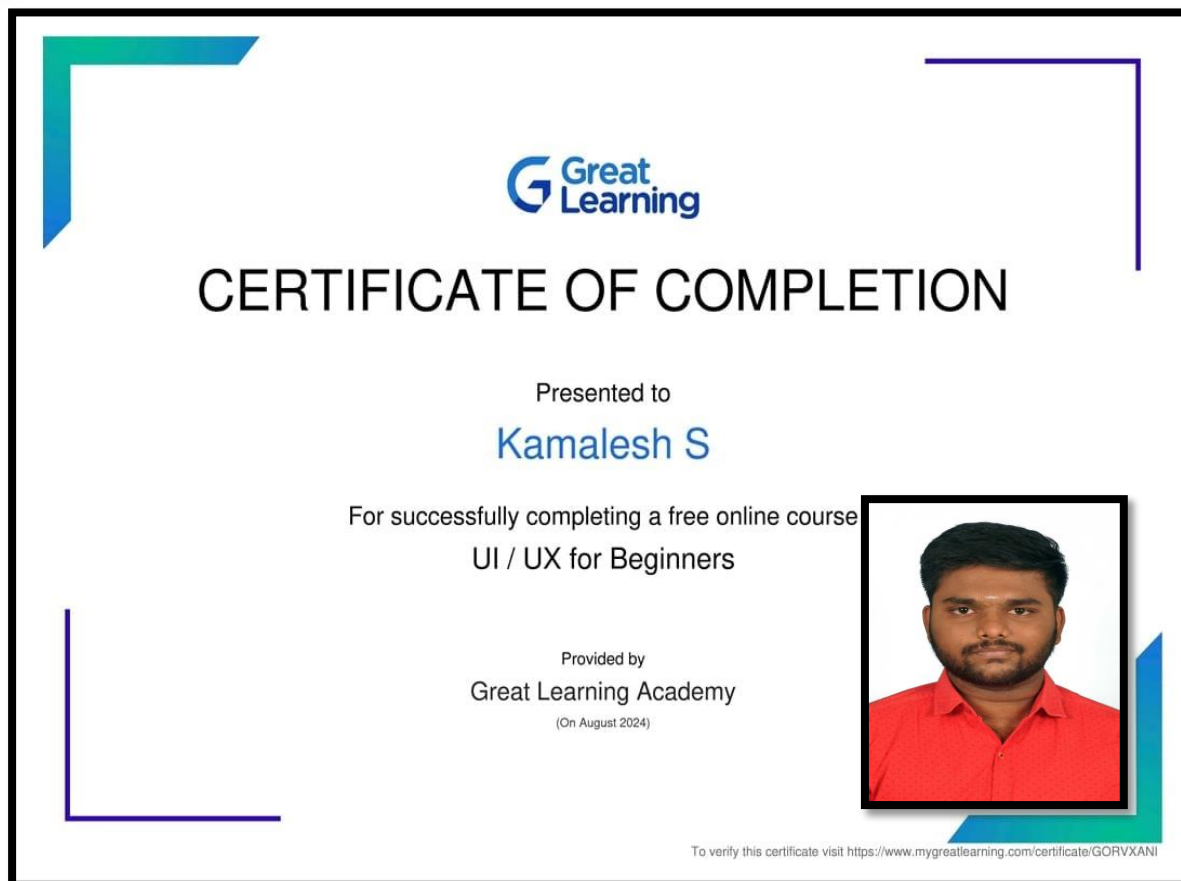
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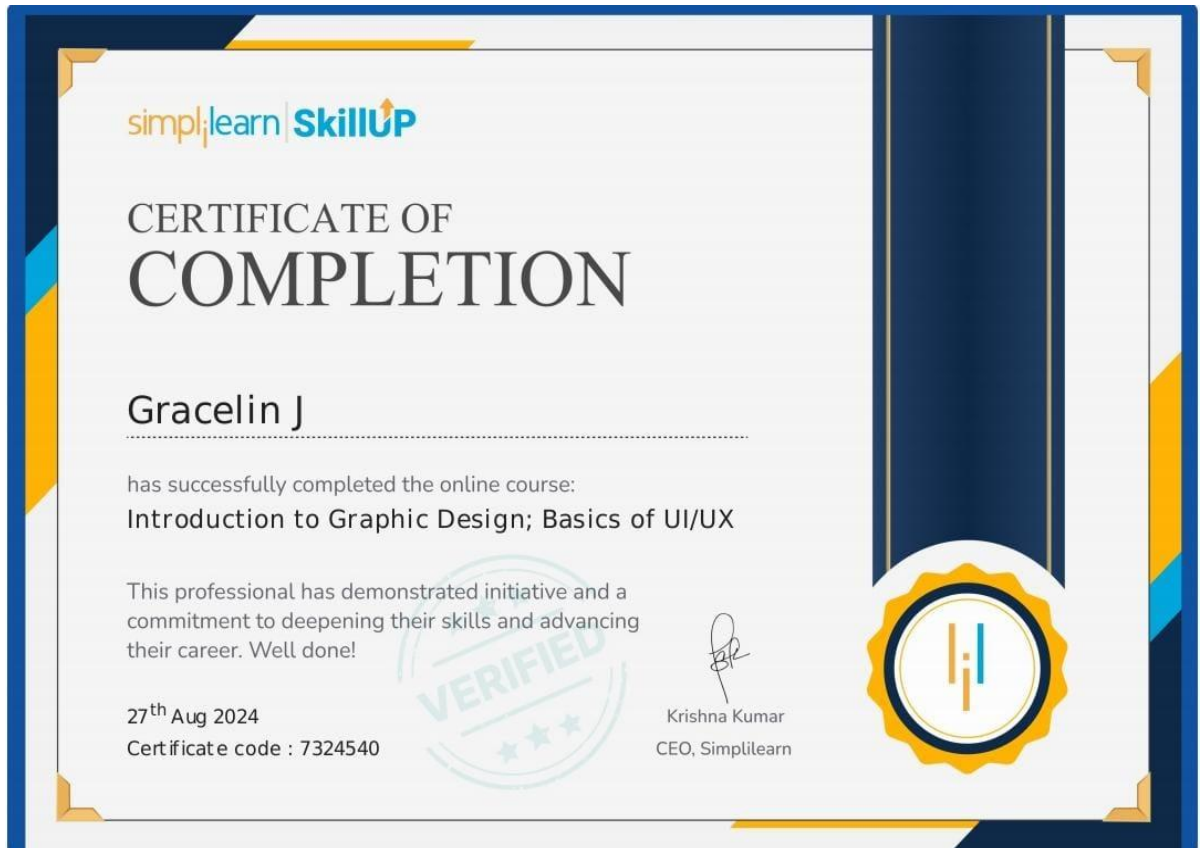
STUDENT PARTICIPATION



Mr. Kamalesh S, IIIrd yr, Department of Computer Science and Engineering, has completed the course titled, “UI/UX for Beginners”, given by Great Learning Academy on August 2024.

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STUDENT PARTICIPATION



Ms. Gracelin J, IIIrd yr, Department of Computer Science and Engineering, has completed an online course titled, “Introduction to Graphic Design; Basics of UI/UX”, provided by SKILLUP on 27th August 2024.

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STUDENT PARTICIPATION



Ms. Dharanya S, IIIrd yr, Department of Computer Science and Engineering, participated in the Level 1 E-Commerce& Tech Quiz Competition in "Flipkart GRID 6.0 – Software Development Track", organised by Flipkart.

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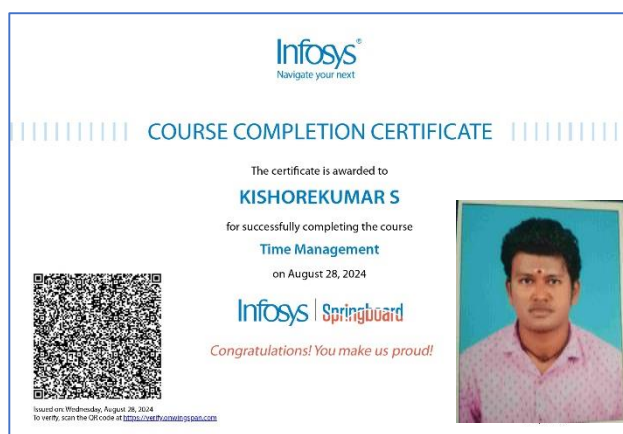
STUDENT PARTICIPATION



Ms. Mariya Jenifer R, IIIrd yr, Department of Computer Science and Engineering, participated in the Level 1 E-Commerce& Tech Quiz Competition in "Flipkart GRID 6.0 - Software Development Track", organised by Flipkart.

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STUDENT PARTICIPATION



Lavanya Shree, M. Harishkumar, P. Tamil Selvan, and S. Kishore Kumar, IIIrd Year Students, Electronics and Communication Engineering have successfully completed an online course **“Time Management”** provided by Infosys, Springboard on 28th August 2024, under the guidance of Ms. K. Elaiyarani, Assistant professor.

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STUDENT PARTICIPATION



Vidhya Sree, M. A. Subratha, P. Vaishnavi, and V. Jayashree, IIIrd Year Students, Electronics and Communication Engineering have successfully completed an online course “Time Management” by Infosys, Springboard on 28th August 2024 under the guidance of Ms. K. Elaiyarani, Assistant professor.

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STUDENT PARTICIPATION



Vaishnavi Devi, Visalini R, Teenu T, and Abinaya G, IIIrd Year Students, Electronics and Communication Engineering have successfully completed an online course “**Time Management**” by Infosys, Springboard on 28th August 2024 under the guidance of Ms. K. Elaiyarani, Assistant professor.

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WORKSHOP ON INDUSTRIAL ROBOTICS



During the **Query session of workshop**, students were clarifying their doubts with the **coordinator, Mr. K. Ganesh Kumar**, Assistant Professor of **Mechatronics dept.**

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DEPARTMENT ACTIVITY



"On the second day of the **Mechatronics department's industrial robotics workshop**, students enthusiastically **learned** about the robotics **simulation software RoboDK**, which is a powerful tool for programming and simulating industrial robots.

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