

IGNITE 2024



A DAILY NEWSLETTER

Editor in Chief

Dr. Srinivasan Alavandar
Principal, ACT

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Ms N Dhivya, AP - S&H
Ms S Archana AP - EEE
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PLACEMENT NEWS

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CORE PLACEMENTS
COUNSELLING CODE **1316** **2024 Batch**



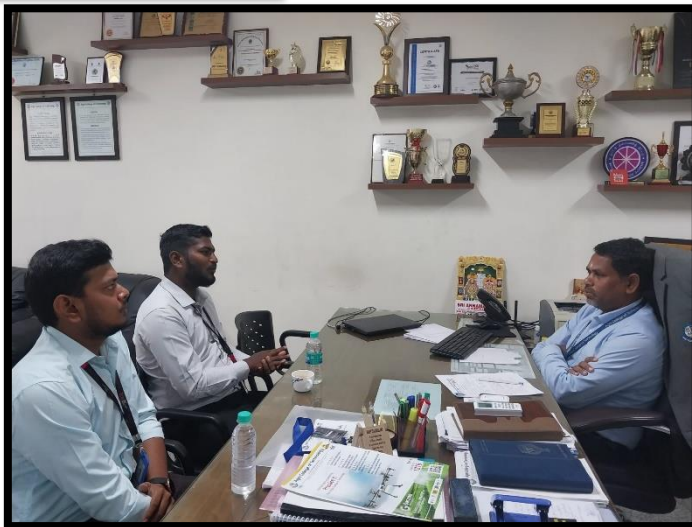
4 LPA
1 Offer

Valeo
VALEO INDIA PVT LTD
Designation: Control System Developer

Final Year ECE student got placed at **Valeo India Pvt. Ltd.** for the Control System Developer role for CTC of 4 LPA . Valeo is an automotive supplier and partner to automakers worldwide. As a tech company, they design innovative solutions for smart mobility.

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PLACEMENT NEWS



Dr.Srinivasan Aavandar , Principal and Placement Officer Ms.R.Vidhya Discussed with TCS HR Team Mr.Bablu and Mr.Viswanath regarding the TCS NQT registration ,Launchpad and TCS PLM Curriculum etc .The Principal also provided details regarding WIL and the way forward with TCS for effective Collaboration.

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FACULTY ACHIEVEMENT

Concurrency and Computation
Practice and Experience

RESEARCH ARTICLE

Throughput and coverage based Base Station–Relay Station deployment for 5G cellular network

R. Ratheesh✉, M. Saranya Nair, P. Vetrivelan, J. Rajeswari

First published: 11 April 2024 | <https://doi.org/10.1002/cpe.8107>

Read the full text >

PDF TOOLS SHARE

Summary

Fifth generation cellular networks have high data rates and connectivity demands. The relaying approaches are widely used in cellular networks to improve coverage, user throughput, and capacity at low cost. The increasing data requirements of the mobile networks increase energy consumption. Energy efficiency-based approaches also impact coverage and throughput. Therefore, developing an energy-efficient approach for optimal coverage and throughput is considered a challenging issue. In this research, a joint clustering-based deployment of Base Station (BS), Relay Station (RS), and user equipment (UE) is proposed for BS–RS deployment by considering the network throughput and energy consumption. After enabling optimal BS–RS deployment, the network traffic is estimated using a real-time traffic estimation framework (ODTE). It estimates user traffic values using Beacon frames. In addition, the Relay Assisted Base station Power

Dr. R. Ratheesh and Dr. J. Rajeswari, Assistant Professors, Electronics and Communication Engineering have published a manuscript titled **“Throughput and coverage based Base Station–Relay Station deployment for 5G cellular network”** in the Journal of Concurrency and Computation Practice and Experience (Scopus, SCI Indexed, Annexure 1) on 11.04.2024 with IF: 2.1.

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FACULTY ACHIEVEMENT



VIT[®]
CHENNAI
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)



Certificate of Participation

This certificate is proudly presented to Dr./Prof./Ms.Mr. *R. Ratheesh*
for his/her active participation in the Five-Day FDP on **“Wireless Communication Networks – 5G & 6G”** organised in association with School of Electronics Engineering, School of Computer Science and Engineering and the Faculty Development Centre, Vellore Institute of Technology, Chennai from 01/04/2024 to 05/04/2024.

 
Dr. Vetrivelan P | Dr. Pradeep Kumar T S
Coordinators


Dr. Susan Elias
Dean-SENSE


Dr. Ganesan R
Dean-SCOPE

VIT – A place to learn; A chance to grow

Dr. R. Ratheesh, Assistant Professor, Electronics and Communication Engineering has participated in five-days Faculty Development Program on **“Wireless Communication Networks – 5G & 6G”** organized by Vellore Institute of Technology, Chennai from 01.04.24 to 05.04.24.

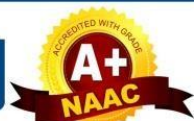
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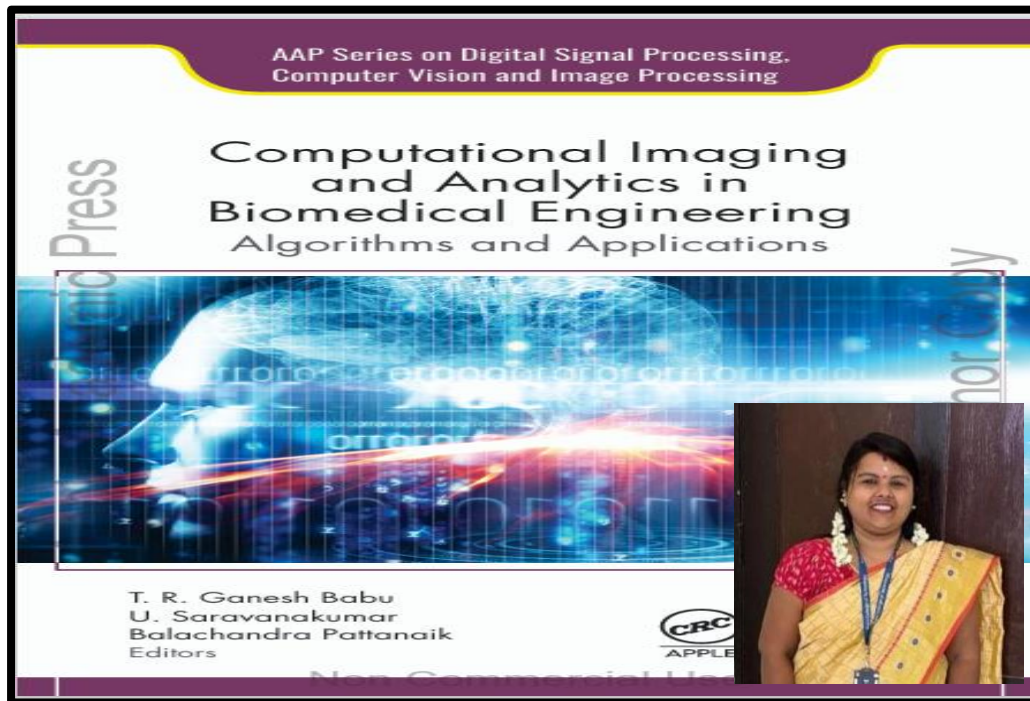
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FACULTY ACHIEVEMENT



Dr. Ishwarya M.V., Associate Professor and Head of the Department of Artificial Intelligence and Data Science published **2 book chapters** titled “ **MACHINE LEARNING FOR MEDICAL IMAGE**” and “**INNOVATIONS IN ARTIFICIAL INTELLIGENCE AND HUMAN COMPUTER INTERACTION IN THE DIGITAL ERA**” in the book titled “**COMPUTATIONAL IMAGING AND ANALYTICS IN BIOMEDICAL ENGINEERING ALGORITHMS AND APPLICATIONS**” in CRC Press indexed by **TAYLOR AND FRANCIS** on 12th April 2024.

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FACULTY ACHIEVEMENT

your chapter "24. Securing 6G Networks: Navigating Emerging Challenges" is in consideration

External

Inbox



Rajendra Kumar 3:41 PM
to me



Dear Contributors

Book title: Network Security and Data Privacy in 6G Environment: Impacts and Challenges

Editors: Rajendra Kumar, Vishal Jain, Danish Ather, Vinay Kukreja, Manoj Singhal

Publisher: CRC Press, Taylor & Francis Group

Thank you very much for having your interest in your contribution for the upcoming title "Network Security and Data Privacy in 6G Environment: Impacts and Challenges".

Based on the reviews, you are requested to implement the following comments for chapter (24. Securing 6G Networks: Emerging Challenges):

1. There are minor corrections in terms of grammar mistakes and formatting of the text. Authors are requested to correct.
2. The figures need to be redrawn in minimum size. If a figure is taken from any source, written permission from the figures is required from the concerned publisher.



Dr. Ishwarya M.V., Associate Professor and Head of the Department of Artificial Intelligence and Data Science received acceptance mail for **book chapters titled "SECURING 6G NETWORKS: NAVIGATING EMERGING CHALLENGES"** in the book titled **"NETWORK SECURITY AND DATA PRIVACY IN 6G ENVIRONMENT: IMPACTS AND CHALLENGES"** in CRC Press indexed by **TAYLOR AND FRANCIS** on 12th April 2024.

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FACULTY ACHIEVEMENT

Your chapter "31. Network Security and Data Privacy in the 6G Era" is in consideration

External

Inbox



Rajendra Kumar 4:12 PM
to me ▾



Dear Contributors

Book title: Network Security and Data Privacy in the 6G Era
Environment: Impacts and Challenges
Editors: Rajendra Kumar, Vishal Jain, Dr. Vinay Kukreja, Manoj Singhal
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Dr. Ishwarya M.V., Associate Professor and Head of the Department of Artificial Intelligence and Data Science received acceptance mail for **book chapters titled "NETWORK SECURITY AND DATA PRIVACY IN THE 6G ERA"** in the book titled **"NETWORK SECURITY AND DATA PRIVACY IN 6G ENVIRONMENT:IMPACTS AND CHALLENGES"** in CRC Press indexed by **TAYLOR AND FRANCIS** on 12th April 2024.

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PRIZE DISTRIBUTION

Dr. ISHWARYA M.V., BIS Coordinator , Associate Professor and Head of the Department of Artificial Intelligence and Data Science, had distributed the BIS EVENT CASH PRIZES for the winners of AIDS, MHT, ECE, BME -departments students, along with the Department BIS Coordinators on 12th & 15th April 2024.

1st Prize Amount:1000rs

2nd Prize Amount: 750rs

3rd Prize Amount:500rs

4th Prize Amount : 250rs

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GALLERY



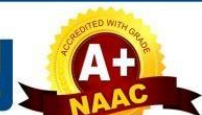
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GALLERY



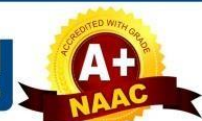
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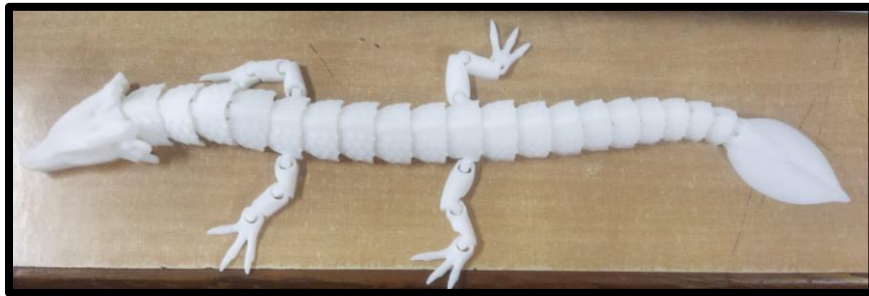
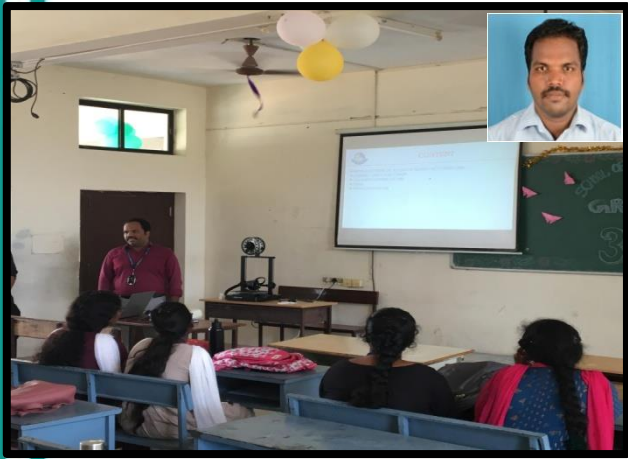
PROJECT DISCUSSION WITH ASHOK LEYLAND



The students of third year artificial intelligence and data science discussed their projects with “ASHOK LEYLAND” team panel members along with **Dr. Ishwarya.M.V.**, Associate Professor and Head of the Department of AIDS and **Mrs.Amala Preyadarchane.J**, Class Advisor, Assistant Professor, department of AIDS on 12th April 2024.As a next step Ashok Leyland team has asked to complete their projects in 15days.

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WORKSHOP



Mr. K. Saravanan, Assistant Professor, Department of Mechanical Engineering , presented a lecture on "**Additive Manufacturing**" during a workshop held at the **National-level technical symposium, GRIFFINOX'2024**, and **D.Anandan**, IV year Mechanical Engineering student, conducted a demonstration of a **Fused Deposition Modelling (FDM) machine**, showcasing the printing of a dragon model for the participants on 13th April ,2024.

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FACULTY PARTICIPATION

Certificate of COMPLETION

This is to certify that

Dhanasakkaravarthi

has successfully completed

Webinar on Introduction to Additive manufacturing

a course offered by ISIEINDIA in as a part of its industry oriented skill based education program



Vinod Gupta
CEO, ISIEINDIA

Certificate ID: b6b00b



Supported By:



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Dr. B. Dhanasakkaravarthi, Assistant Professor, Department of Mechanical Engineering, has participated and successfully completed the Webinar titled **“Introduction to Additive manufacturing”** conducted by ISIEINDIA on 13th April, 2024.

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FACULTY PARTICIPATION



Mrs.C.D.Karthika, Assistant Professor, Department of Chemical Engineering has participated in Five days online Faculty Development Program on “ **Green Horizon: Advancement in Environmental Engineering**” organized by the Department of Chemical Engineering, Sinhgad College of Engineering, Pune from 01st April 2024 to 05th April 2024.

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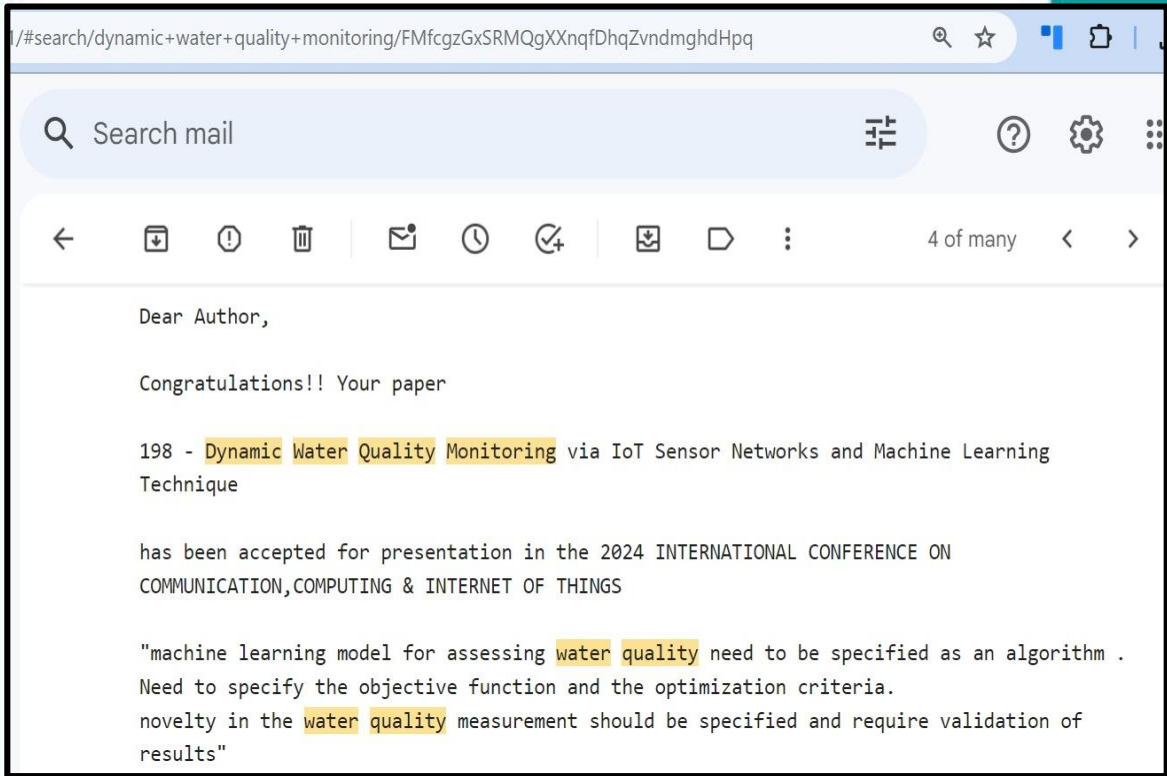
STUDENT ACHIEVEMENT



Nishaanth S & Tirumala Rao, III Year Students, Department of Information Technology have showcased their project titled “**KNOWHERE**” at the **TNCPL HACKATHON** of Naan Mudhalvan held on **12th and 14th April 2024** organized by **GUVI** in collaboration with **Anna University**.

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STUDENT ACHIEVEMENT



The final year project paper by Sowmiya R. and Nithish J. from the department of Information Technology, titled **“Dynamic Water Quality Monitoring via IoT Sensor Networks and Machine Learning Technique”** got selected in the IEEE International conference (Scopus Indexed) held at Sri Sairam Engineering College on 17th April 2024 which was guided by Mrs. Leonila T.

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STUDENT PARTICIPATION



@internPE

INTERNSHIP COMPLETION CERTIFICATE

CID : IPIC#16875

To whomever it may concern

This is to certify that **GRACELIN J** worked as an Intern in our company from **18-March-2024 to 14-April-2024**

Please find the internship details below:

Company Name: InternPe
Location: Remote
Domain : AI/ML Programming
Designation: Intern

During their working period, we found him/her to be a sincere and dedicated intern with a professional attitude and very good knowledge of the job.

We thank him/her for their efforts and contribution and wish him/her the best in future endeavors.

Yours Sincerely


(Co-Founder)
InternPe



www.internpe.in

Gracelin J., II year ,Department of Computer Science and Engineering has completed an internship on “**AI/ML**” from 18th March 2024 to 14th April 2024 organized by **InternPe**.

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STUDENT PARTICIPATION



CERTIFICATE OF COMPLETION

Presented to

Sv Hamalesh

For successfully completing a free online course
Algorithms in C

Provided by

Great Learning Academy

(On April 2024)

To verify this certificate visit verify.mygreatlearning.com/VXDUWTJO

Hamalesh S. V., II year student, Department of Computer Science and Engineering, has successfully completed an online course on “**Algorithms in C**” provided by Great Learning on 13th April 2024.

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STUDENT PARTICIPATION



Harshnee N., II year student, Department of Computer Science and Engineering, has successfully completed an online course on “**Greedy Algorithm**” provided by Great Learning on 13th April 2024.

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STUDENT PARTICIPATION

Completion of Internship

This Certificate is Awarded to

MONIKA S

has successfully completed the **04 weeks** Internship in
WEB DEVELOPMENT Internship at **SystemTron** from
11-Mar-2024 to 07-Apr-2024.



SYSTEM TRON
CID :ST/INP/3689


Co-Founder
System Tron



WWW.SYSTEMTRON.IN

Monika S, II Year Student, Department of Information Technology, has completed 4 weeks internship in **WEB DEVELOPMENT** at **System Tron** from 11-03-2024 to 07-04-2024.

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CLASS COMMITTEE
MEETING



The first class Committee Meeting was conducted for Second year students, Department of Chemical Engineering on 10.04.2024. The syllabus coverage and grievances from the students were discussed in the meeting. The meeting was conducted by Dr. P. Murugan, Head of the Department and respective faculty members.

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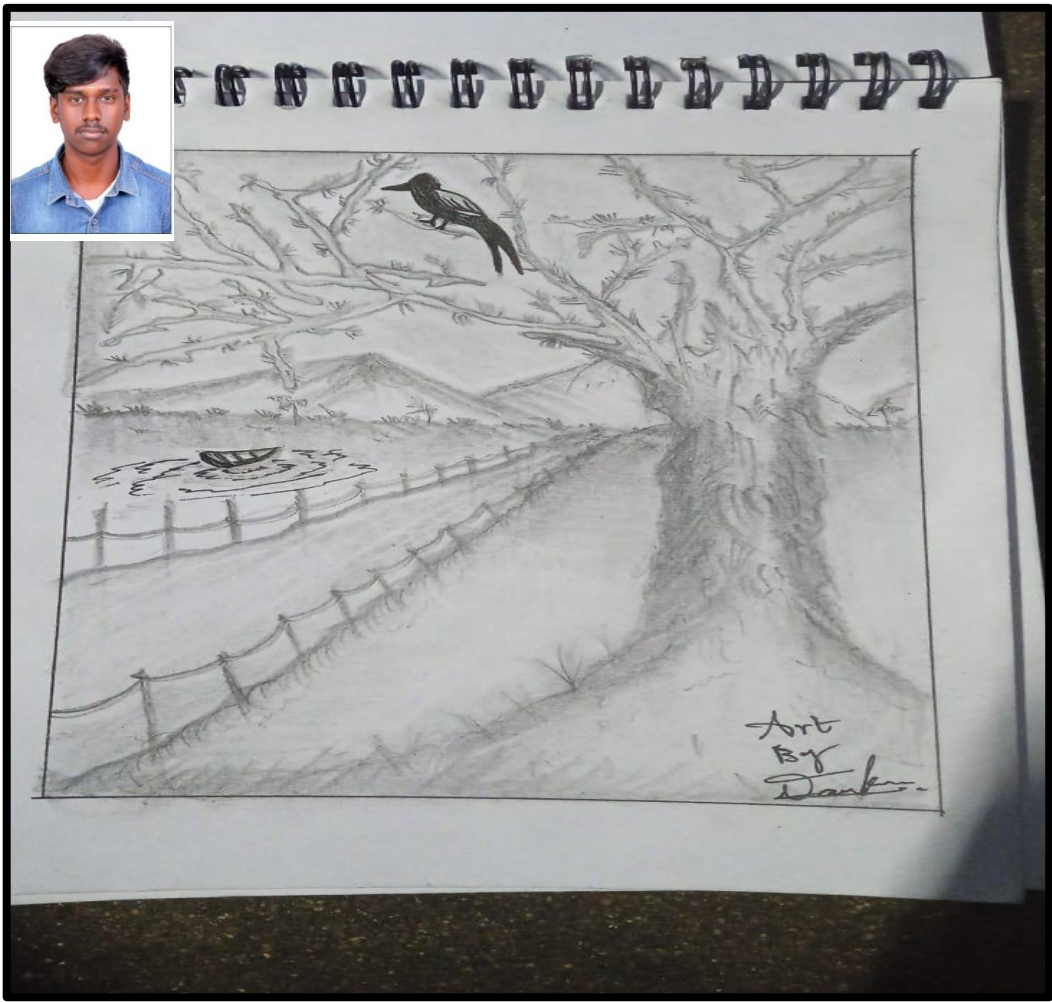
NAAN MUDHALVAN PROGRAM



The second-year students of Artificial Intelligence and Data Science attended the “EBPL NAAN MUDHALVAN - IOT STREAM” on April 15th, 2024 from 9.00 a.m. to 4.00 p.m. Mentored by Mrs.PandiDeepa.P, Assistant Professor, Department of Artificial Intelligence and Data Science .

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STUDENT REPOSITORY



Naveen Kumar M, IV year, Department of Computer Science has skillfully drawn a captivating **nature-themed** pencil sketch.