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Vol.12. issue.15 18.12.2024

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IGNITE 2024

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★ ★ ★ *December* ★ ★ ★

A DAILY NEWSLETTER
18.12.2024

Agni College of Technology

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S.Divya, Y.Queen blessy, A. Afrose Begum, G. Kamu, R. Sanjainathan and Y.Tharun bharathi,(Team Catalyst Crewmates for PSID: SIH1573) Third year and Second year students of Department of Chemical Engineering have made us proud by emerging as **WINNERS** under the mentoring of **Mrs. C. D. Karthika, Assistant Professor** in the prestigious Smart India Hackathon (SIH) 2024, India's premier innovation challenge. This victory reflects our institution's focus on fostering innovation, critical thinking, and hands-on experience.





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Forage

Inspiring and empowering
future professionals

SANJAY K

Advisors & Consulting Services Job Simulation

Certificate of Completion
December 1st, 2024

Over the period of December 2024, SANJAY K has completed practical tasks in:

Promotion optimization
Data-driven storytelling

Tom Brunskill
CEO, Co-Founder of
Forage

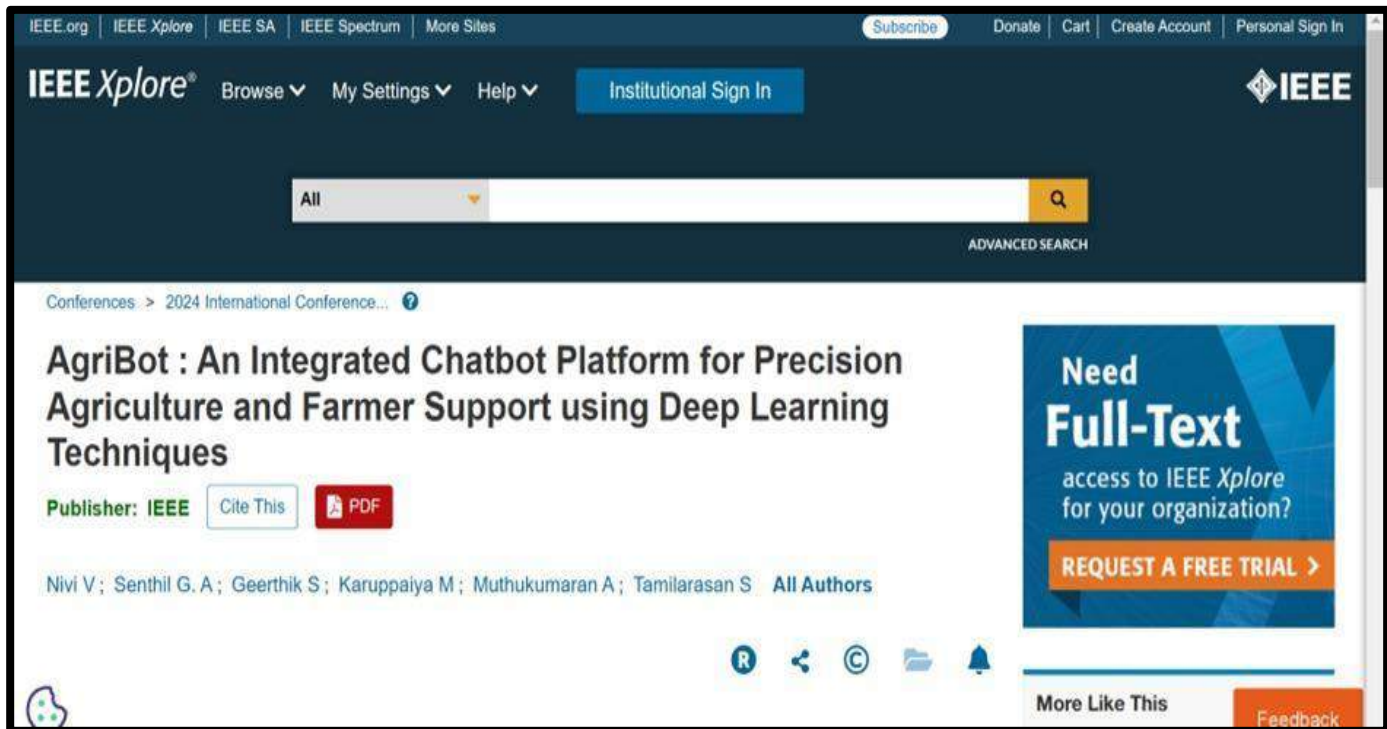
Enrolment Verification Code k6HuPqbDpBjp6uZmK | User Verification Code q7TnsZRNb9vgkpYez | Issued by Forage

K. Sanjay (IT), a 1-year student from the Department of Science and Humanities, has successfully completed the online course on “**Advisors & Consulting Services Job Simulation**” provided Forage in the month of December 2024.

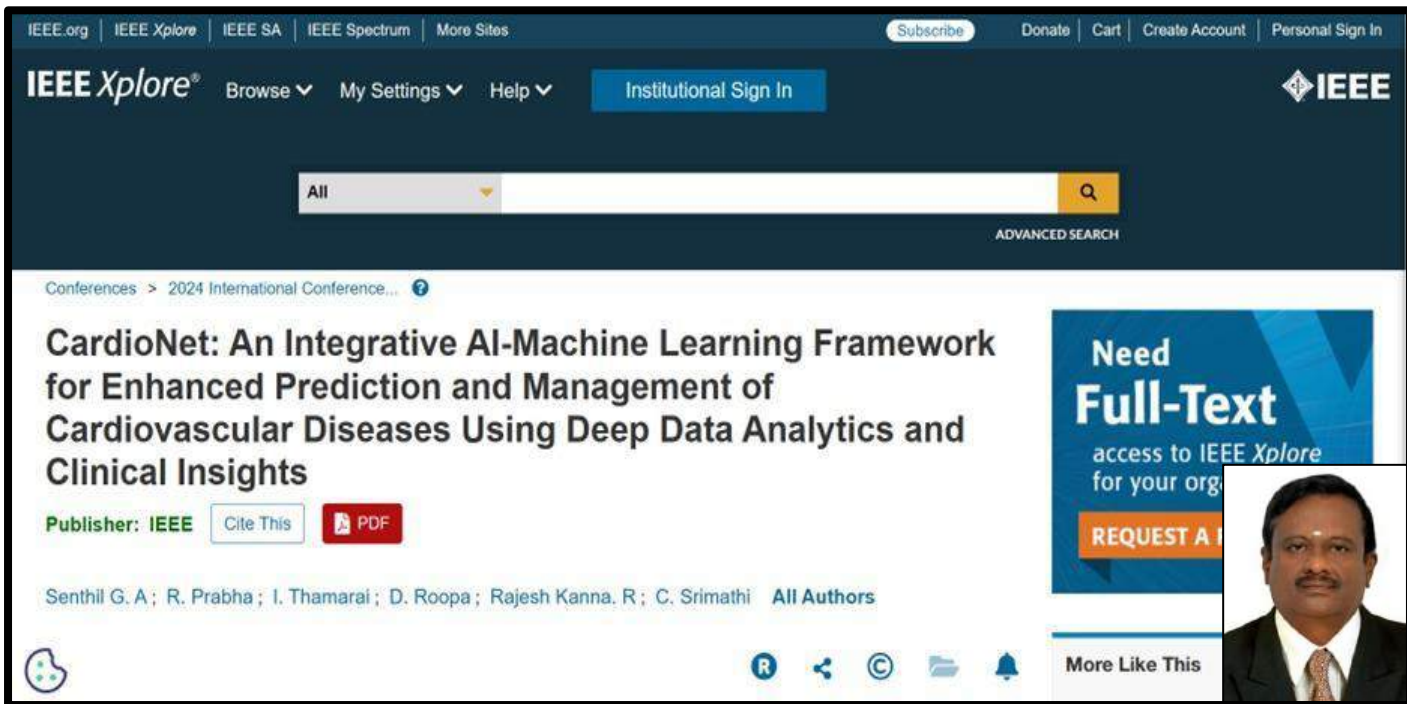
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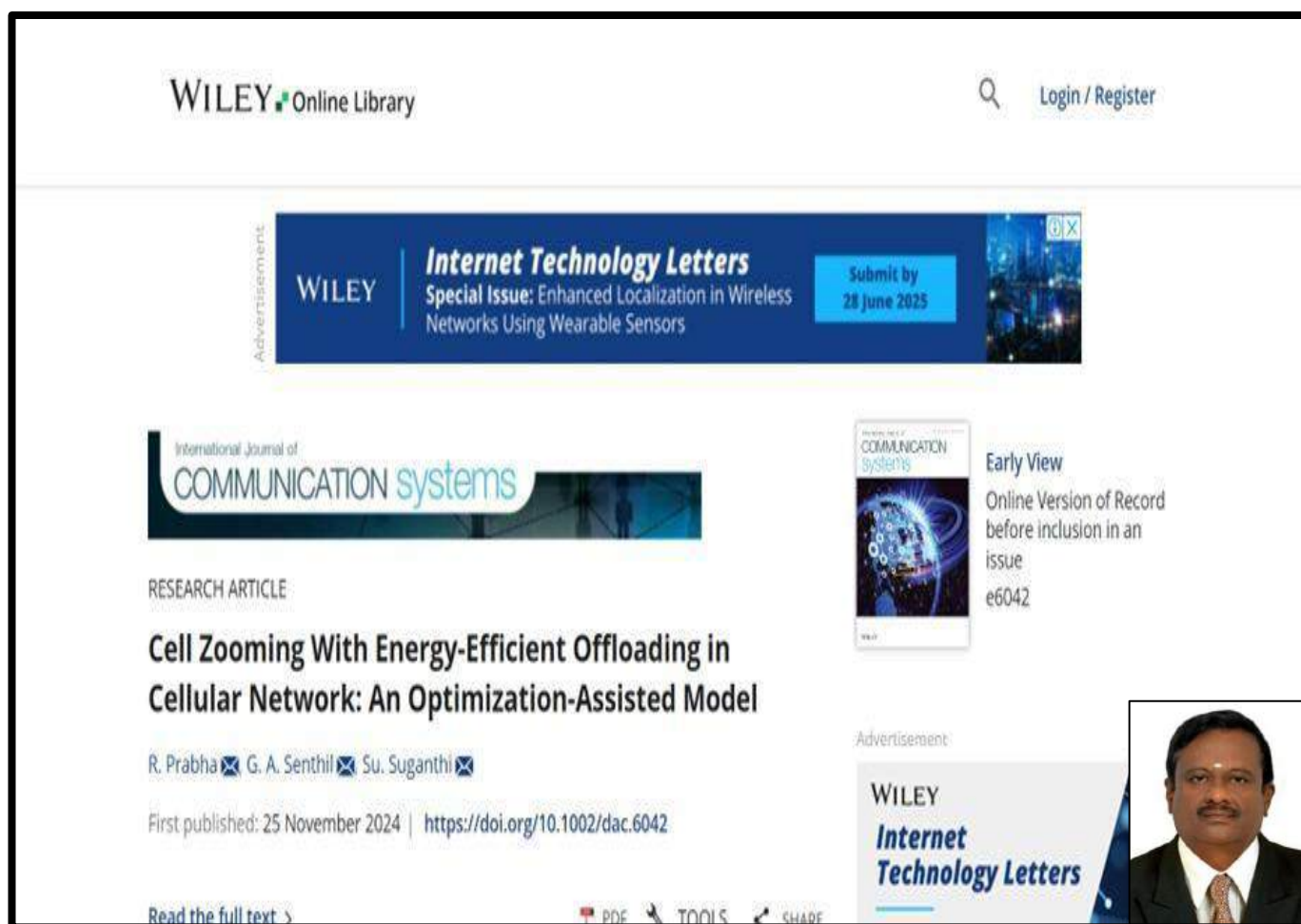
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Dr. S. Geerthik, HOD, Dr. G.A. SENTHIL, Associate Professor, Ms. V. NIVI Assistant Professor and the final year students from the department of Information Technology has published paper titled **“AgriBot : An Integrated Chatbot Platform for Precicion Agriculture and Farmer Support using Deep Learning Techniques”** on 2024 International Conference on Power, Energy, Control and Transmission Systems (ICPECTS) , Sri Sairam Engineering College on 12th December 2024.



Dr. G. A. SENTHIL, Associate Professor, Department of Information Technology, published paper titled **"CardioNet: An Integrative AI – Machine Learning Framework for Enhanced Prediction and Management of Cardiovascular Diseases Using Deep Data Analytics and Clinical Insights"** on 2024 International Conference on Power, Energy, Control and Transmission Systems **(ICPECTS)** at Sri Sairam Engineering College and presented their projects titled"" on 12th December 2024.



Dr. G. A. SENTHIL , Associate Professor , Department of Information Technology, Published Paper titled "**Cell Zooming With Energy-Efficient Offloading in Cellular Network: An Optimization-Assisted Model** " on SCI (Q2)-International Journal of Communication System - Wiley.



Mrs. Rajitha Radhakrishnan Assistant Professor, Department of Science and Humanities (Chemistry) has participated in the **E-Quiz** competition on “International Energy Conservation Day” conducted by St. Thomas College of Arts and Science with Green Club on 14th December 2024.



Mrs. Kamatchi Saranya, Assistant Professor , Department of **Information Technology**, attended Faculty Development Program (FDP) on “**Converging Machine Learning, DevOps and GPU Computing for Breakthrough Innovations**” organized by SRM Valliammai Engineering College, Chennai on 18th December 2024.

Resource Person

Sessions will be handled by eminent persons from reputed institutions/industries.

How to apply?

The applicants should register at AICTE-ATAL web portal of the earliest.
Website: <http://www.aicte-india-org/atal>

ELIGIBILITY AND SELECTION

Faculty members from AICTE approved Engineering Colleges can apply. Selection is on "first come first serve" basis. Selection will be intimated through mail and selected participants should confirm their participation.

REGISTRATION:

- No registration fee
- TA/DA will not be provided
- Selected participants should attend the programs for the entire duration through offline mode

Address for Communication

The co-ordinator FDP

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE
Agni College of Technology-ATCT
1st Floor, 6th Cross Road, Paluram
Chennai-600 035, Tamil Nadu, India.
E-MAIL: atal@atal.ac.in

ORGANIZING COMMITTEE

Patron
Dr. SRINIVASAN ALAVANDAR
PRINCIPAL,
Agni College of Technology,
Tiruchennai

Co-ordinator
Dr. Ishwarya M.V.S.S.J.M.E., Ph.D
Associate Professor and Head of the Department,
Artificial Intelligence and Data Science Department,
Agni College of Technology,
Tiruchennai.
E-MAIL ID: atal@atal.ac.in

Co-Coordinator
Mrs. T. Geetha
Assistant Professor,
Artificial Intelligence and Data Science
Agni College of Technology,
Tiruchennai.

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

SIX DAYS

FACULTY DEVELOPMENT PROGRAM ON

"AI in IOT : ENHANCING THE POWER OF SMART GADGETS"

16.12.2024 to 21.12.2024

Sponsored by

AICTE Training and Learning (ATAL) Academy

Agni College of Technology

1, 2nd FLOOR | PALURAM, CHENNAI

About the college

Agni College of Technology Chennai was established in the year 2003 by Sri Balaji Charitable and Educational Trust with the objective of producing high quality engineers and technicians. The Engineering college is approved by AICTE, New Delhi. Affiliated to Anna University Chennai. Accredited by National Board of Accreditation, New Delhi and an ISO 9001:2015 Certified Institution. We are ranked in 25th position among 324+ colleges by Anna University in the Nov/Oct 2022 examinations. Also, we were ranked in the top 100-150 level in the India Rankings 2023 by National Institutional Ranking Framework, Ministry of Education, Government of India. Also, all eligible programs are accredited by the National Board of Accreditation and the institution is rated with A+ grade in the National Assessment and Accreditation Council. We look forward to soon becoming an autonomous institution and we have been taking various initiatives to improve the quality and standard of technical education on par with international standards so that our students are able to compete with other students.

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

The Artificial Intelligence and Data Science department was founded in 2020 with one undergraduate program affiliated with Anna University, approved by AICTE. This course aims to provide the core technologies such as artificial intelligence, data mining, and data modelling and give

intensive inputs in machine learning and big data analytics. By the end of this course, the students will gain cross-disciplinary skills across fields such as statistics, computer science, machine learning, and logic, data scientists and will have career opportunities in healthcare, business, e-commerce, social networking, companies, clinical genetics, and other essential areas. The central focus of this programme is to equip students with statistical, mathematical reasoning, machine learning, knowledge discovery, and visualization skills.

FDP THEME

The creation of computer systems that are capable of doing tasks that normally require human intelligence, like speech recognition, problem-solving, and decision-making, is known as Artificial Intelligence (AI). The network of actual physical objects and other things integrated with sensors, software, and connections that allow them to gather and share data is known as the Internet of Things, or IoT. The potential of AI and IoT to boost productivity, increase efficiency, and offer more individualized experiences across a wide range of businesses has led to their increasing appeal. AI and IoT will play an increasingly larger role in our daily lives and businesses in technology developments.

Artificial Intelligence (AI) is critical to the Internet of Things (IoT) because it allows devices to gather and process data in real-time, facilitating intelligent decision-making, task automation, pattern recognition, and issue detection, all of which

increase the effectiveness and precision of IoT systems. Large volumes of data produced by Internet of Things (IoT) devices can be processed by AI algorithms to provide insightful analysis and wise decision-making. Because AI improves the accuracy and efficiency of IoT devices and is constantly learning and adapting to changing environments, it also aids in task automation, pattern recognition, and issue detection in IoT systems.

TOPICS COVERED

- Overview and Use of the Internet of Things
- Artificial Intelligence (AI): Prospects, Development and Challenges
- IOT Architectures and Protocols
- Applied AI and Data Science
- An overview of machine learning and its use in the analysis of medical images
- Smart Sensor Utilisation in IOT
- Smart Cities & Homes: IOT Technology
- AI Implementation (Workshop)
- IoT Privacy and Security
- IoT using Arduino and Raspberry Pi (Practical Session)

Department of AIDS from Agni College of Technology, in collaboration with the AICTE ATAL Academy, is organizing a 6-day Faculty Development Program (FDP) on "AI in IoT: Enhancing the Power of Smart Gadgets" from 16.12.2024 to 21.12.2024. The program is coordinated by Dr. Ishwarya M.V., Associate Professor and Head of the Department, AIDS, and Mrs. T. Geetha, Assistant Professor, AIDS. In the 2nd day of FDP, the Resource person Dr.Kavitha.J, Vel Tech Rangarajan Sakunthala R&D Institute of Science and Technology has delivered an insightful session on "IoT Architectures and Protocols" from 1 pm – 4 pm on 17.12.2024.

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FDP

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E-MAIL ID: ishwari@act.edu.in

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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

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The Department of Science and Humanities organized an event named "2\$ CHALLENGE" on 12.12.2024 in the Physics lab. The 2\$ challenge is a great way to increase entrepreneurship and creativity among the students. Twenty-two stalls were set up by first-year students from various sections. Notably, many students made a significant turnover with an initial investment of \$2 or less, and some even achieved zero-investment profits. Dr. Arul Kulandaivel, HoD presided the program. The event was coordinated by Ms. R. Rajitha and Dr. P. Balakrishnan and Assistant Professors of S&H. Student coordinators P. Prathibha and Manjushri of 1st year, D section, played a key role in the event's success.



Winners Teams

The Whizzes – A. Sandhiyakshini and K. Sri Durga - IT
The Bootstrapper – M. Vignesh, R. Prajvan Kumar and S. Vignesh - CME
The Innovator – K. S. Dharshini - BME

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Stall Names

Crochet toys – Amigurumi Soft toys
SS Bracelets – Bracelets
The Trio – Paper Crafts
Agni Super Stall – TNS face wash
Refreshing Fragrance – Incense Sticks

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Dr. P. Balakrishnan, Assistant Professor, Department of Science and Humanities (Physics) has conducted the class activity on Crystallography for Section-G (EEE/CME) students held on 16th December 2024.



The department meeting convened by **Dr. Balaji Madhavan**, HoD, Department of Computer Science & Engineering on **December 18th 2024** between 8.45 am to 9.15 am. The agenda included discussions on NBA Compliance report submission, Subject allocation for upcoming even semester and other general activities of the department.