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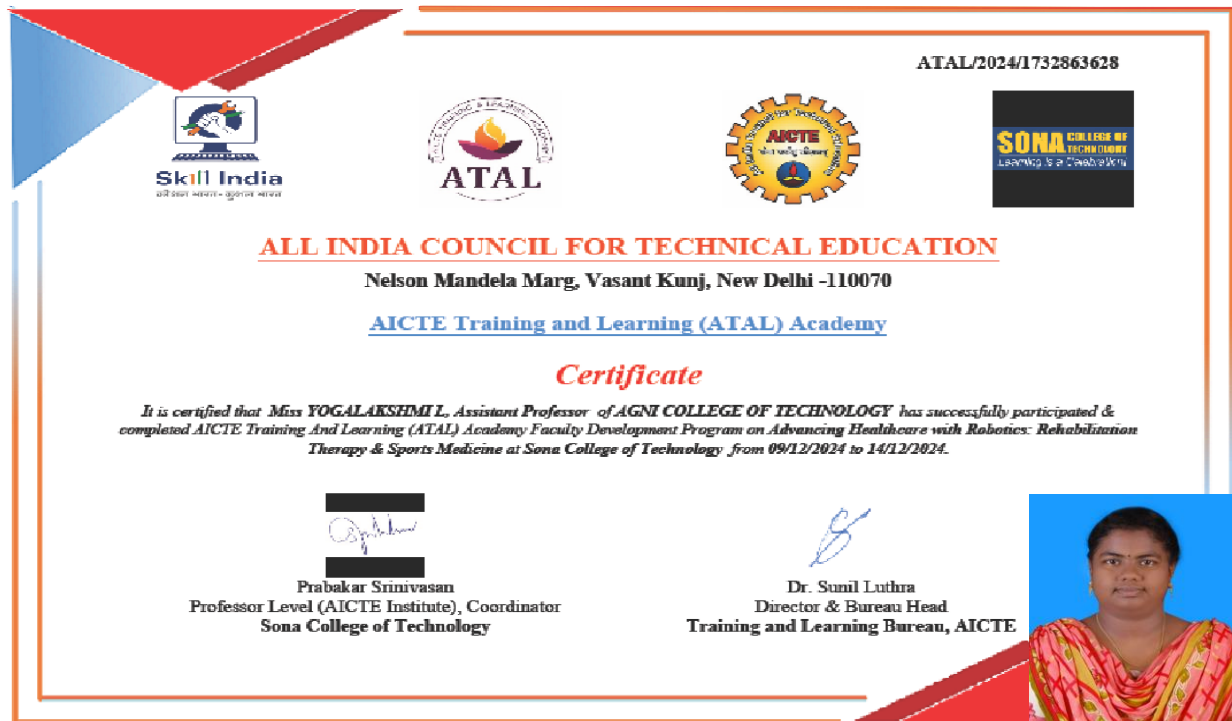
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A DAILY NEWSLETTER
19.12.2024

Agni College of Technology

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Ms Yogalakshmi L, Assistant Professor, Biomedical Engineering Department has successfully participated and completed the AICTE Training and Learning (ATAL) Faculty Development Program on “**Advancing Healthcare with Robotics: Rehabilitation Therapy and Sports Medicine**” at Sona College of Technology from 9/12/2024 to 14/12/2024.

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 at 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-ACT
old madhavapuram road, Thalambur,
chennai-600 30 Tamil Nadu, India,
E-MAIL: adshd@act.edu.in

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Thalambur.

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Associate Professor and Head Of the Department,
Artificial Intelligence and Data Science Department,
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MAIL ID: adshd@act.edu.in

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

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
Chennai-600 30 Tamil Nadu, India
Phone: 044-2601 3445 / 3446 / 3447
Website: www.act.edu.in
Creating Knowledge, Enriching Values

About the college

Agni College of Technology Chennai was established in the year 2001 by Sri Balaji Charitable and Educational Trust with the objective of producing high quality engineers and technocrats. 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 315+ colleges by Anna University in the Nov/Dec 2022 examinations. Also, we were ranked in the top 101-150 band 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 were 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, eCommerce, social networking companies, climatology, biotechnology, 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 individualised 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 as technology develops.

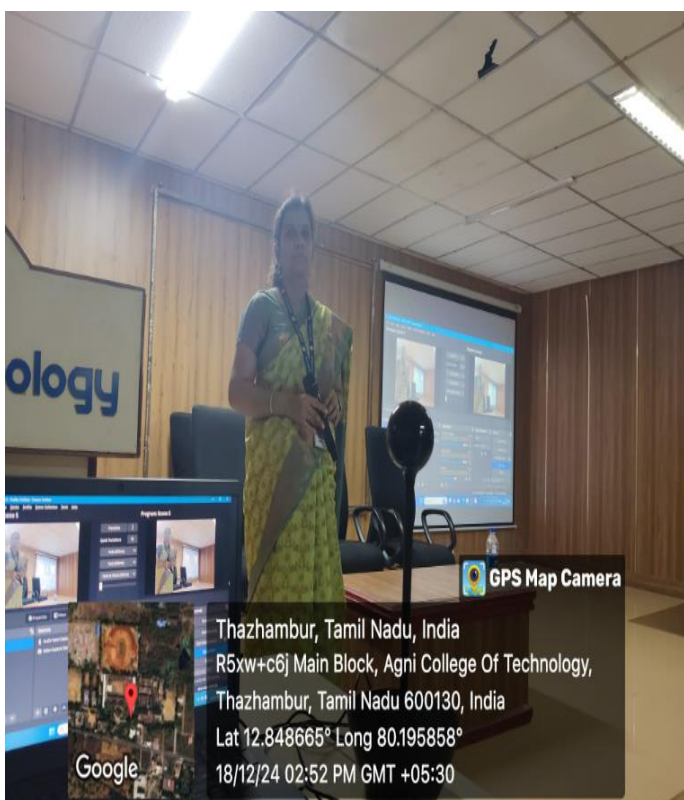
Artificial Intelligence (AI) is critical to the Internet of Things (IoT) because it allows devices to gather and process data in real-time, facilitating intelligent decision-making, task automation, pattern recognition, and issue detection, all of which

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)

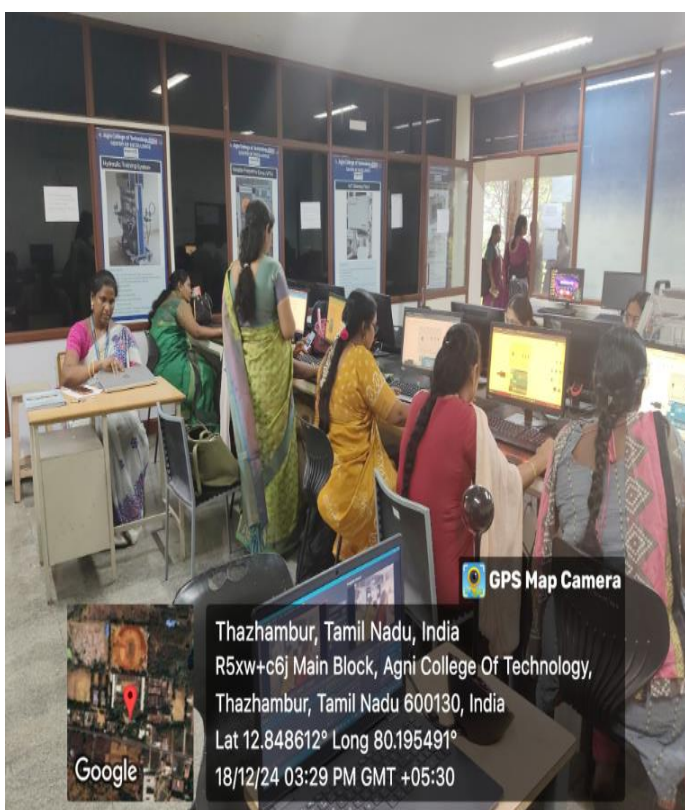
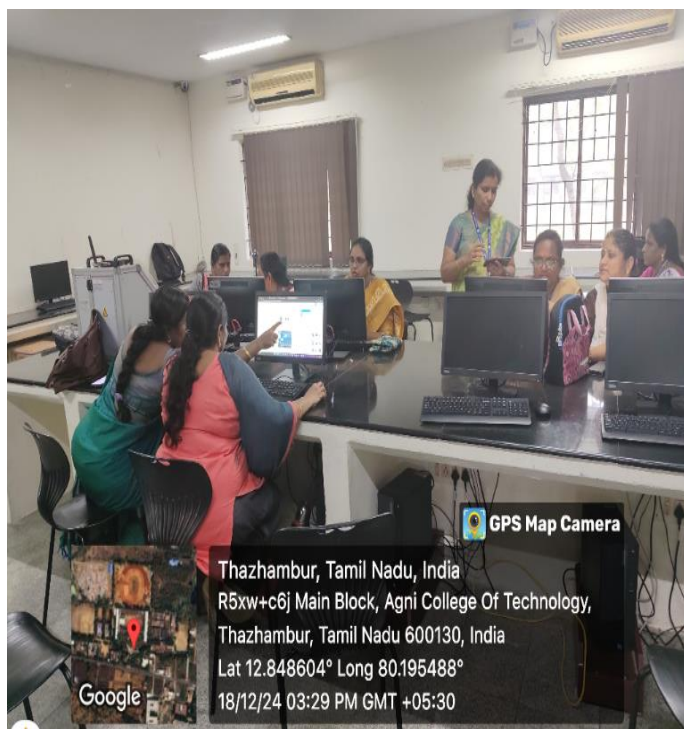
The Department of AIDS from Agni College of Technology, in collaboration with the AICTE ATAL Academy, is organizing a 6-day Faculty Development Program (FDP) on **"AI in IoT: Enhancing the Power of Smart Gadgets"** from 16.12.2024 to 21.12.2024. The program is coordinated by **Dr. Ishwarya M.V., Associate Professor and Head of the Department, AIDS**, and **Mrs. T. Geetha, Assistant Professor, AIDS**. On the 3rd day of FDP, the Resource person **Dr. Raja Shree. S, Associate Professor, Sathyabama Institute of Science and Technology**, delivered an insightful session on **"Smart Sensor Utilization in IoT"** from 1 pm – 4 pm on 18.12.2024.



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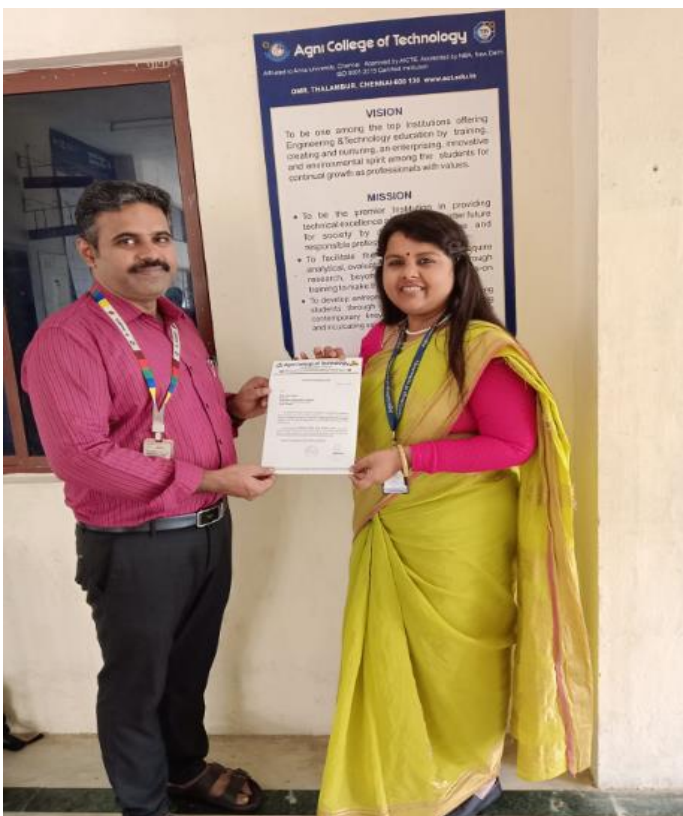
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