

IGNITE 2024



A DAILY NEWSLETTER

Editor in Chief

Dr. Srinivasan Alavandar
Principal, ACT

Editors

Ms N Dhivya, AP - S&H
Ms S Archana AP - EEE
Mr V Kothantapani - EEE II Year

BE AN ACTioneer, Aspire To BE the BEST

PLACEMENT NEWS

BE AN ACTIONeer. Aspire To BE the BEST

Agni College of Technology
(An AUTONOMOUS Institution)
Accredited by NBA, NAAC with A+ Grade, Estd.2001. Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai
OMR, Chennai ☎ 044 4997 2900 ☎ 94450 54081 ☎ 81221 24081 | www.act.edu.in

**CAMPUS
PLACEMENT DRIVE**

BATCH 2024 PASSOUT

ASE
Diligently Designed For perfection

ASE Structural Design

COUNSELING CODE 1316

DATE: 16.2.2024	Eligible Department: B.E ASE, MECH, MAE, MHT, CVL	Package: 2.5 LPA	Drive Venue: COMPANY PREMISES	Job Role: DESIGN ENGINEER
---------------------------	--	----------------------------	--	--

Final year students from Aerospace Engineering attended Placement Drive conducted by **ASE Structural Design** Company at their company premises on 16th February,2024. ASE Structure Design is an Indo-Belgium joint venture company that commenced its operations in April 2003 and is involved in the preparation of Civil, Structural and Engineering drawings.

BE AN ACTIONeer. Aspire To BE the BEST

PLACEMENT NEWS



Three shortlisted students from the Chemical Engineering department attended the Face to face Interview conducted by KCC Paints India Ltd., on 16th February, 2024.

BE AN ACTIONEER, ASPIRE TO BE THE BEST

TRAINING AND SKILL DEVELOPMENT



As part of **Second term Edureka training** on Full Stack Web Development to **Third year VI semester** students, three project applications, namely, **E-commerce portal, Digital clock page and Music Player**, were assigned to students this week. Students applied **HTML, CSS, and JavaScript** concepts to these applications. Students were asked to present the application they created on 16th February, 2024. **Three top performers** were identified and **rewarded with a small gift as a token of motivation.**

BE AN ACTioneer, Aspire To BE the BEST

INTRA INSTITUTIONAL INNOVATION COMPETITION

Agni College of Technology
(An AUTONOMOUS Institution)
Accredited by NBA, NAAC with A+ Grade, Estd.2001. Approved by AICTE, New Delhi. Affiliated to Anna University, Chennai.
OMR, Chennai. ☎ 044 4997 2900. 📠 94450 54081. 📠 81221 24081. | www.act.edu.in

SUGGESTED DOMAINS TO FOCUS ARE:

- AGRICULTURE & RURAL DEVELOPMENT
- CLEAN/GREEN TECHNOLOGY
- RENEWABLE ENERGY
- E-WASTE MANAGEMENT
- LOCAL HEALTHCARE AND HYGIENE
- EFFICIENT E-VEHICLES
- IOT BASED TECHNOLOGIES

**However, students may opt for any other suitable domains.*

Guidelines

- Three members in a team
- Registration ends on 12.2.2024
- Number of slides in a presentation 6-8
- Round 1: Presentation on 16.2.2024 & 17.2.2024
- Round 2: Prototype demonstration 22.3.2024

Agni College of Technology
(An AUTONOMOUS Institution)
Accredited by NBA, NAAC with A+ Grade, Estd.2001. Approved by AICTE, New Delhi. Affiliated to Anna University, Chennai.
OMR, Chennai. ☎ 044 4997 2900. 📠 94450 54081. 📠 81221 24081. | www.act.edu.in

**DEPARTMENT OF
COMPUTER SCIENCE
AND ENGINEERING**
in association with
**INSTITUTION'S INNOVATION
COUNCIL**
Organizes

**"INTRA
INSTITUTIONAL
INNOVATION
COMPETITION"**

Special Invitees:
Dr. N.V.S Sree Rathna Lakshmi
PROFESSOR & HEAD, ECE
Dr. S. Geerthik
ASSOCIATE PROFESSOR & HEAD, IT
Submission Last Date:
12.02.2024

**Win
Attractive
Cash prizes
for top 3 teams**

**16th & 17th FEB 2024
10.00am**
SEMINAR HALL

Registration link: <https://forms.gle/SFDq8C8xkm4Gowu5>

IC Coordinator
Mrs. L. PRINSLIN
Assistant Professor, CSE

Dr. L. SHARMILA
Head-Department of CSE

Dr. P. PURUSHOTHAMAN
IC Convener

Dr. A. KALAIMURUGAN
IC President

Dr. SRINIVASAN ALAVANDAR
PRINCIPAL/ACT

The **Department of Computer Science and Engineering**, in association with **IIC 6.0**, conducted an **Intra Institutional Competition** on 16th February. Teams from various departments participated in the event. The panel members, **Dr. N.V.S. Sree Rathna Lakshmi**, Head/ECE, **Dr. L. Sharmila**, Head/CSE, and **Dr. S. Geerthik**, Head/IT, reviewed the innovative ideas and presentations given by the students in various domains.

BE AN ACTioneer, Aspire To BE the BEST

GALLERY



BE AN ACTIONeer, Aspire To BE the BEST



Agni College of Technology

(An AUTONOMOUS Institution)

Accredited by NBA, NAAC with A+ Grade, Estd.2001. Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai
OMR, Chennai ☎ 044 4997 2900 📠 94450 54081 📠 81221 24081 | www.act.edu.in



GALLERY



BE AN ACTioneer, Aspire To BE the BEST

FACULTY ACHIEVEMENT

Dynamic Lane Management with IoT for Real-time Lane Configuration and Traffic Flow

Dr. Mohammed Rehaman Pasha
Associate Professor, Department of
Computer Science and Engineering,
Malla Reddy Institute of Engineering
and Technology,
Hyderabad, Telangana, India
rehaman17@gmail.com

Dr. S. Latha
Assistant Professor, Department of
Department of Biotechnology,
Vinayaka Mission's Kirupananda
Variyar Engineering College, Vinayaka
Mission's Research Foundation(DU),
Salem, Tamil Nadu, India
latha.sar@gmail.com

R. Usha
Assistant Professor,
Department of Mathematics,
S. A. Engineering College,
Chennai, Tamil Nadu, India
ushar@sacc.ac.in.

Dr. V. Bini Marin
Assistant Professor, Faculty of
Management Studies, SRM Institute of
Science and Technology, Ramapuram,
Chennai, Tamil Nadu, India
binimarin.v@gmail.com

Dr. Ishwarya M.V.
Associate Professor,
Artificial Intelligence and Data science
Department,
Agni College of Technology,
Thazhambur, Tamil Nadu, India
aidshod@act.edu.in

M. Muthulekshmi
Adjunct Professor, Department of
Biomedical Engineering, Saveetha
School of Engineering, Saveetha
Institute of Medical and Technical
Sciences, Saveetha University,
Chennai, Tamil Nadu, India
muthulekshmisrinivasan@gmail.com

Abstract—Traffic may be reduced and transportation efficiency improved by properly controlling traffic flow in urban areas. This research provides a new method for managing lanes in real-time by using IoT connectivity. To

and signal direction, the suggested method relies on cooperative perception and collaboration between vehicles. Overtaking in a two-lane change use case is analyzed mathematically.



Author Console

Paper ID	Title	Files	Status	Actions
378	Intelligent Solar Tracking System with Fuzzy Logic Control and IoT Integration	Submission files: ① Paper_271123.doc	Accept Reviews	
452	Dynamic Lane Management with IoT for Real-time Lane Configuration and Traffic Flow	Submission files: ① Dynamic Lane Management.doc	Accept Reviews	

Dr. Ishwarya M.V., Associate Professor and Head of the Department of Artificial Intelligence and Data Science, submitted the research paper titled "DYNAMIC LANE MANAGEMENT WITH IOT FOR REAL-TIME LANE CONFIGURATION AND TRAFFIC FLOW" in IEEE International Conference INOCON 2024, which has been indexed by SCOPUS, and received the acceptance notification on 15th February 2024.

BE AN ACTIONEER, ASPIRE TO BE THE BEST

FACULTY ACHIEVEMENT

Navigating Grid Dynamics with V2G Technology and Naive Bayes Optimization in IoT Systems

Dr.M.Arulprakash
Department of Computing
Technologies, SRM Institute of Science
and Technology,
Kattankulathur, Chennai, Tamil Nadu,
India.
arulpram@srmist.edu.in

Dr. Ramakrishnan Raman
Symbiosis Institute of Business
Management Pune & Symbiosis
International (Deemed University),
Pune, Maharashtra, India.
ramakrishnan_raman@rediffmail.com

Atul A Gokhale
Symbiosis School of Culinary Arts,
Symbiosis International (Deemed
University),
Pune, Maharashtra, India.
director@sca.edu.in.

Dr.K.Saravanan
Department of Information Technology,
R.M.D. Engineering College,
Chennai, Tamil Nadu, India.
saravanan.it@rmd.ac.in

Dr. Ishwarya M.V
Artificial intelligence and Data science
Department,
Agni College of Technology,
Chennai, Tamil Nadu, India.
aidshod@act.edu.in

S. Sujatha
Department of Biomedical Engineering,
Saveetha School of Engineering,
Saveetha Institute of Medical and
Technical Sciences, Saveetha
University,
Chennai, Tamil Nadu, India.
sujathasuv@gmail.com.

Abstract—Vehicle-to-Grid (V2G) technology and Naive Bayes optimization, which might help IoT devices navigate grid

energy to be most beneficial, which allows effective EV batteries to collect energy from power networks and store it



Submissions			
Author Console		Search help articles	
1 - 1 of 1		Show: 25 50 100 All	
Paper ID	Title	Files	Actions
1208	Navigating Grid Dynamics with V2G Technology and Naive Bayes Optimization in IoT Systems	Submission files: ① Navigating Grid Dynamics with V2G Technology and Naive Bayes Optimization in IoT Systems.doc Camera Ready Submission files: ① 1208.pdf	Submission: ☑ Edit Submission ☑ Edit Conflicts ✕ Delete Submission Camera Ready: ☑ Edit Camera Ready Submission ☑ View Camera Ready Summary ☑ Submit IEEE Copyright Form

Dr. Ishwarya M.V., Associate Professor and Head of the Department of Artificial Intelligence and Data Science, submitted the research paper titled “ NAVIGATING GRID DYNAMIC WITH V2G TECHNOLOGY AND NAÏVE BAYES OPTIMIZATION IN IOT SYSTEM" in IEEE International Conference INOCON 2024, which has been indexed by SCOPUS, and received the acceptance notification on 15th February 2024.

BE AN ACTIONeer, Aspire To BE the BEST

FACULTY ACHIEVEMENT

Adaptive Cleaning in Manufacturing: A Decision Tree Model for Efficient Factory Sanitation

Dr. M. Arulprakash
Assistant Professor, Department of
Computing Technologies, SRM Institute
of Science and Technology,
Kattankulathur, Chennai, India
arulpram@smist.edu.in

Dr. Ramakrishnan Raman
Professor, Symbiosis Institute of
Business Management Pune &
Symbiosis International (Deemed
University),
Pune, Maharashtra, India
ramakrishnan_raman@rediffmail.com

Mr Atul A Gokhale
Professor, Symbiosis School of
Culinary Arts, Symbiosis International
(Deemed University),
Pune, Maharashtra, India.
director@ssca.edu.in

Dr. K. Saravanan
Associate Professor, Department of
Information Technology,
R.M.D. Engineering College,
Chennai, Tamil Nadu, India
saravanan.it@rmd.ac.in

Dr. Ishwarya M.V.
Associate Professor,
Artificial Intelligence and Data science
Department,
Agni College of Technology,
Chennai, Tamil Nadu, India
aidshod@act.edu.in

S. Sujatha
Adjunct Professor, Department of
Biomedical Engineering, Saveetha
School of Engineering, Saveetha
Institute of Medical and Technical
Sciences, Saveetha University,
Chennai, Tamil Nadu, India
sujathasmvr@gmail.com

Abstract— Industrial cleanliness is crucial in production settings, and this system offers a novel way to use Internet of Things (IoT) technology to strengthen this practice. The suggested solution uses a Decision Tree (DT) model and real-time data received from IoT sensors placed strategically

pressure-functional equipment. Systems may detect fluid/gas flow, speed, water level, and altitude via pressure sensors. Smoke, temperature, and pressure sensors are employed.

Despite extensive renewable and conventional energy supplies worldwide, technical constraints and water energy



Submissions				
Author Console				
+ Create new submission ...				
Paper ID	Title	Track	Files	Actions
291	Adaptive Cleaning in Manufacturing: A Decision Tree Model for Efficient Factory Sanitation Show abstract	ICIPTM2024 (Main Theme)	Submission files: ① Adaptive Cleaning.doc ② 291_revised.doc	Submission: Edit Submission Edit Conflicts Delete Submission
605	An Intelligent Gardening Advisor System Empowered by Wireless Sensor Networks and Cloud Computing Show abstract	ICIPTM2024 (Main Theme)	Submission files: ① An Intelligent Gardening Advisor System Empowered by Wireless Sensor Networks and Cloud Computing.doc	Submission: Edit Submission Edit Conflicts Delete Submission

Dr. Ishwarya M.V., Associate Professor and Head of the Department of Artificial Intelligence and Data Science, submitted the research paper titled “ADAPTIVE CLEANING IN MANUFACTURING:A DECISION TREE MODEL FOR EFFICIENT FACTORY SANITATION” in IEEE International Conference ICIPTM 2024, which has been indexed by SCOPUS, and received the acceptance notification on 15th February 2024.

BE AN ACTioneer, Aspire To BE the BEST

FACULTY ACHIEVEMENT



Science and Engineering Research Board
(Statutory Body Established Through an Act of Parliament : SERB Act 2008)
Government of India

Proposal Inbox

Upload SE/UC ...Upload Progress Report ...Upload Publications ...RTGS/QuotationsRelease HistoryCompose Lette

Letters ReceivedLetters SentView DocumentsProceedings

Search:

File Number	Proposal Title	Institute	Scheme	Area	Submission Date	Status	Action
SPG/2024/002616	Plant disease detection and monitoring using drone	Agni College of Technology	SERB-POWER Grant	Computer Science and Engineering	15-Feb-2024	Proposal Submitted	

« 1 »

A proposal is **submitted** under **SERB** on “**Plant Disease Detection and Monitoring Using Drones**” by **Dr. R. Meena Devi**, AP/CSE, and **Mrs. M. P. Sujatha** AP/CSE.

BE AN ACTioneer, Aspire To BE the BEST

GALLERY

Your Proposal has been submitted successfully to SERB.

Kindly quote project's file no SPG/2024/002616 in all future correspondence. The project's file no. should be mentioned in all communications arising from the above project.

FEEDBACK

By providing your feedback, you are helping us understand what we do well and what improvements we need to implement.

Skip Feedback

Continue to Feedback

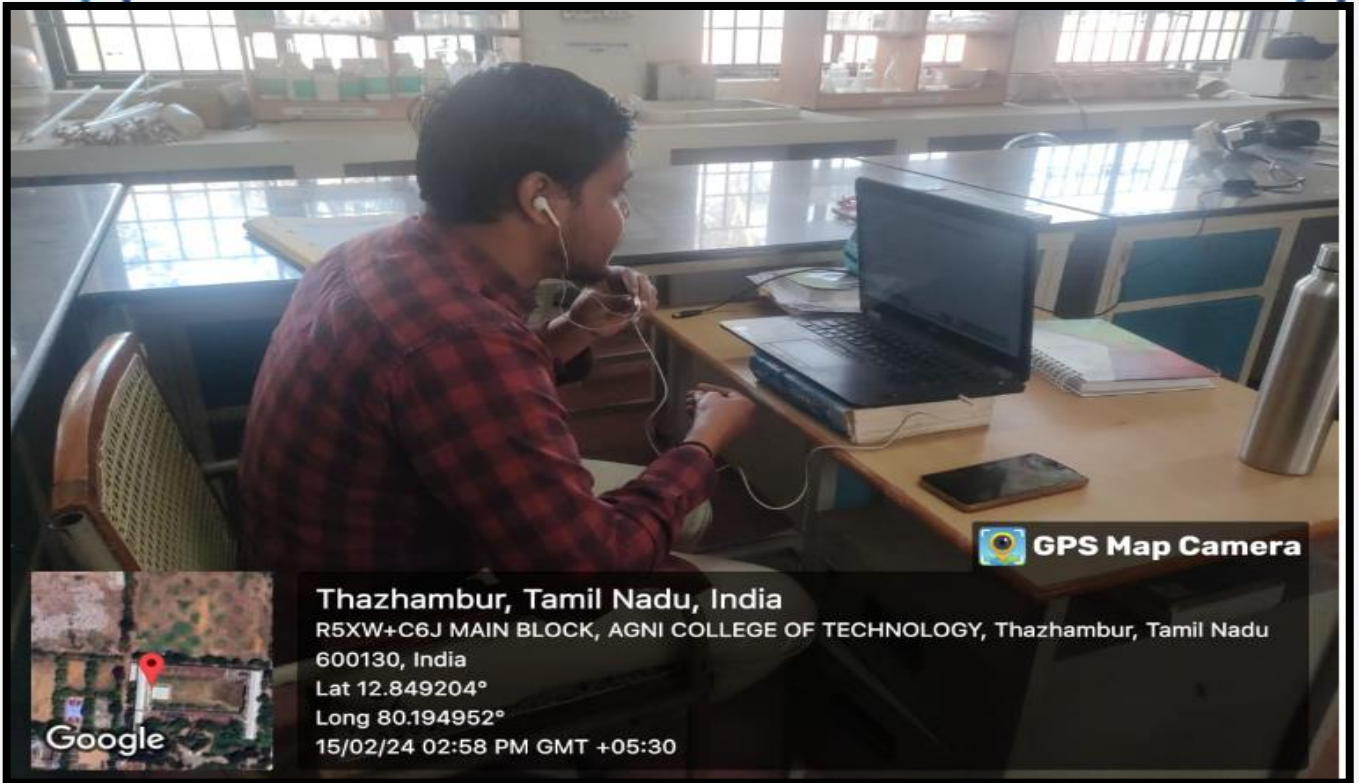
BE AN ACTioneer, Aspire To BE the BEST

FACULTY PARTICIPATION



Mrs.Leonila T, Assistant Professor in the Department of Information Technology, has attended 5th day FDP on “ICT – Palo Alto Network Security Fundamentals” organized by VIT, Chennai, on 16th February 2024.

FACULTY PARTICIPATION



Mr. S.Venkateswaran, Assistant Professor, Department of Civil Engineering, had virtually presented a paper entitled **Utilization of Natural Fibre as Composite in RC Beam** for a fifth international conference on Recent Trends in **Sustainable practices and innovation in Civil Engineering** conducted by SSN College of Engineering, Chennai, on 15th February 2024.

BE AN ACTIONEER, ASPIRE TO BE THE BEST

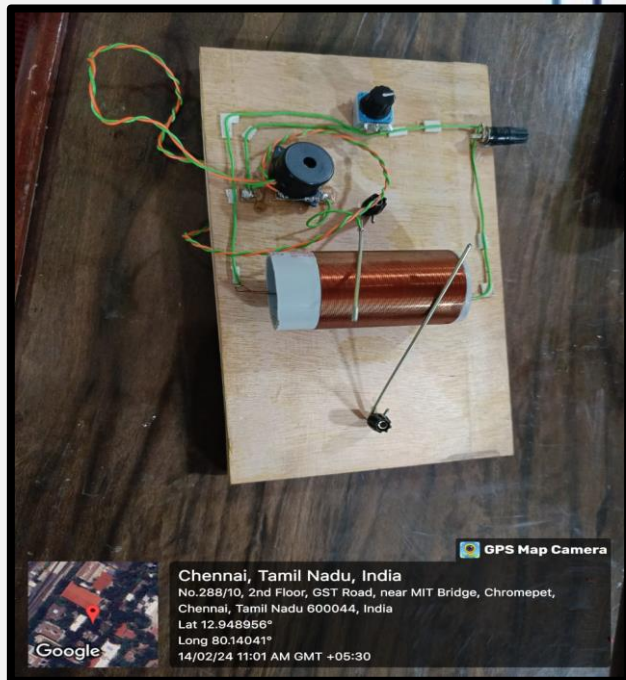
FACULTY PARTICIPATION



Dr. Sivakami Sundari, Assistant Professor, Department of Science & Humanities (Mathematics), has actively participated and completed eight days national level faculty development program on "**Research Methodology and Pedagogy of Writing, Project Funding**" organized by the Department of Science and Humanities at Mohamed Sathak A.J. College of Engineering from 29.01.2024 to 06.02.2024.

BE AN ACTIONeer, Aspire To BE the BEST

STUDENT ACHIEVEMENT



Faculty members and students from the Department of Aerospace Engineering have been attending the Faculty Empowerment Programme on the MIT campus at Anna University in Chennai. Our final year students created a crystal radio with an energy-saving model under the supervision of an MIT professor, Dr.A.Kaviarasu, Assistant Professor (senior grade), along with Mr.C. Anand and Mrs.M. Mathiyarasi, Assistant Professors from Agni College of Technology in Chennai.

BE AN ACTIONeer, Aspire To BE the BEST

STUDENT ACHIEVEMENT



Ramkumar K. S., III Year Student, Department of Information Technology, has completed one month online course on “**Microsoft AI Skills Challenge**” organized by Microsoft in the month of January 2024.

BE AN ACTioneer, Aspire To BE the BEST

STUDENT ACHIEVEMENT



CERTIFICATE OF COMPLETION

Presented to

Dhaneshwari

For successfully completing a free online course
What is IoT?

Provided by

Great Learning Academy

(On February 2024)

Dhaneshwari, III year, Department of Computer Science and Engineering, has completed the online certificate course “What is IOT?” conducted by Great Learning in February 2024.

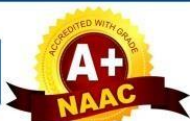
BE AN ACTIONeer, Aspire To BE the BEST



Agni College of Technology

(An AUTONOMOUS Institution)

Accredited by NBA, NAAC with A+ Grade, Estd.2001. Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai
OMR, Chennai ☎ 044 4997 2900 📠 94450 54081 📠 81221 24081 | www.act.edu.in



STUDENTS ACHIEVEMENT



Arun Kumar M., III year student in the Department of Mechanical and Automation Engineering, has successfully completed an online course titled **Introduction to Cybercrime** by Simplilearn SkillUP on 15th February 2024.

BE AN ACTIONEER, ASPIRE TO BE THE BEST

STUDENTS ACHIEVEMENT



Paul Jeevanesan, IV year student in the Department of Mechanical and Automation Engineering, has successfully completed an online course titled **Foundations of Business Intelligence** and by Coursera on 15th February 2024.

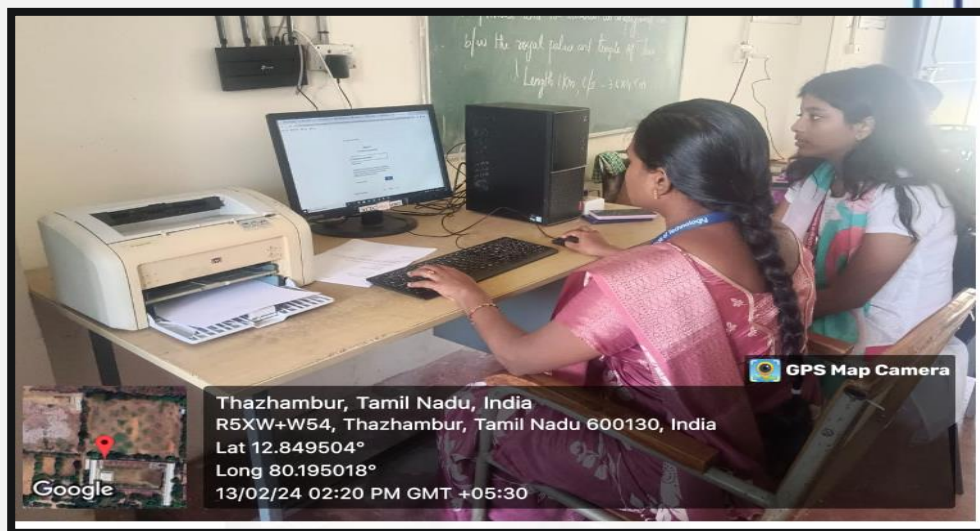
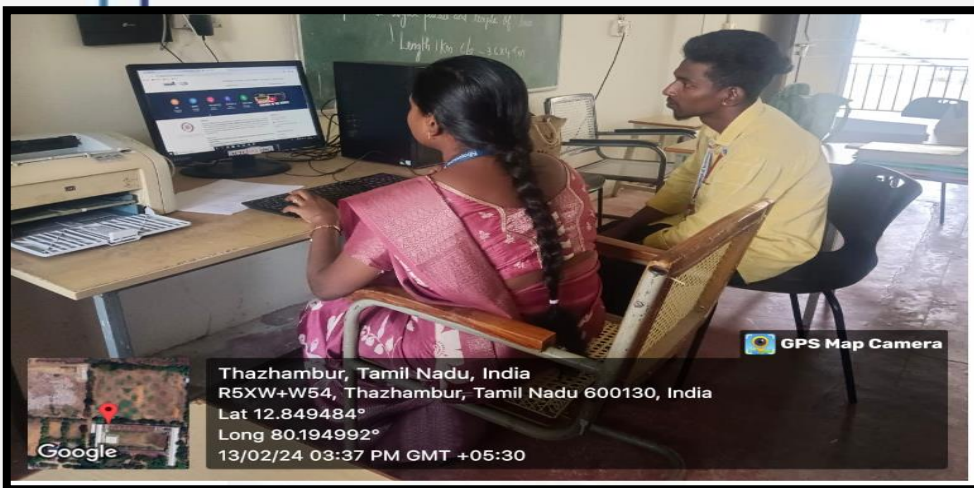
PROJECT REVIEW MEETING



The Department of Chemical Engineering has conducted first project review meeting for final year students on 16th February 2024. The project presentations are reviewed by **Dr. P. Murugan**, Head of the Department, and review panel members. The progress, suggestions, and future work are discussed.

BE AN ACTioneer, Aspire To BE the BEST

NPTEL MENTORING



Mrs. E. Vinodha, Assistant Professor & NPTEL Coordinator, Department of Civil Engineering, has encouraged the students to enroll and register for the NPTEL course to enhance their learning experience and academic success.

BE AN ACTioneer, Aspire To BE the BEST



Agni College of Technology

(An AUTONOMOUS Institution)

Accredited by NBA, NAAC with A+ Grade, Estd.2001. Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai
OMR, Chennai ☎ 044 4997 2900 ☎ 94450 54081 ☎ 81221 24081 | www.act.edu.in

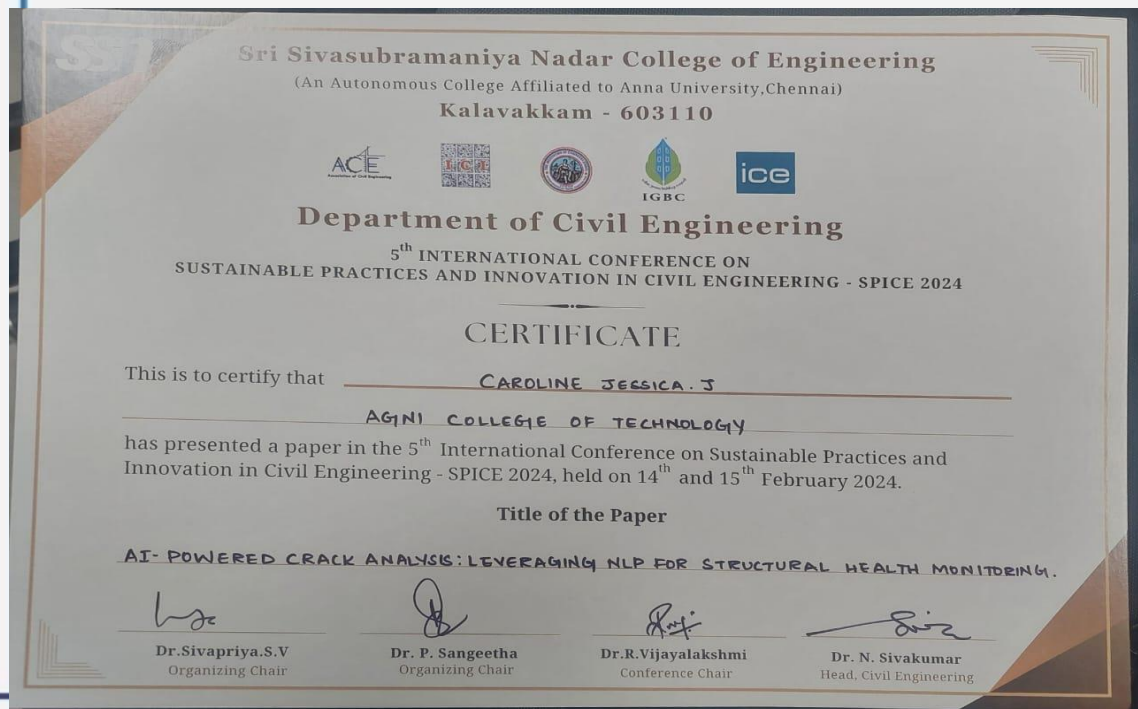
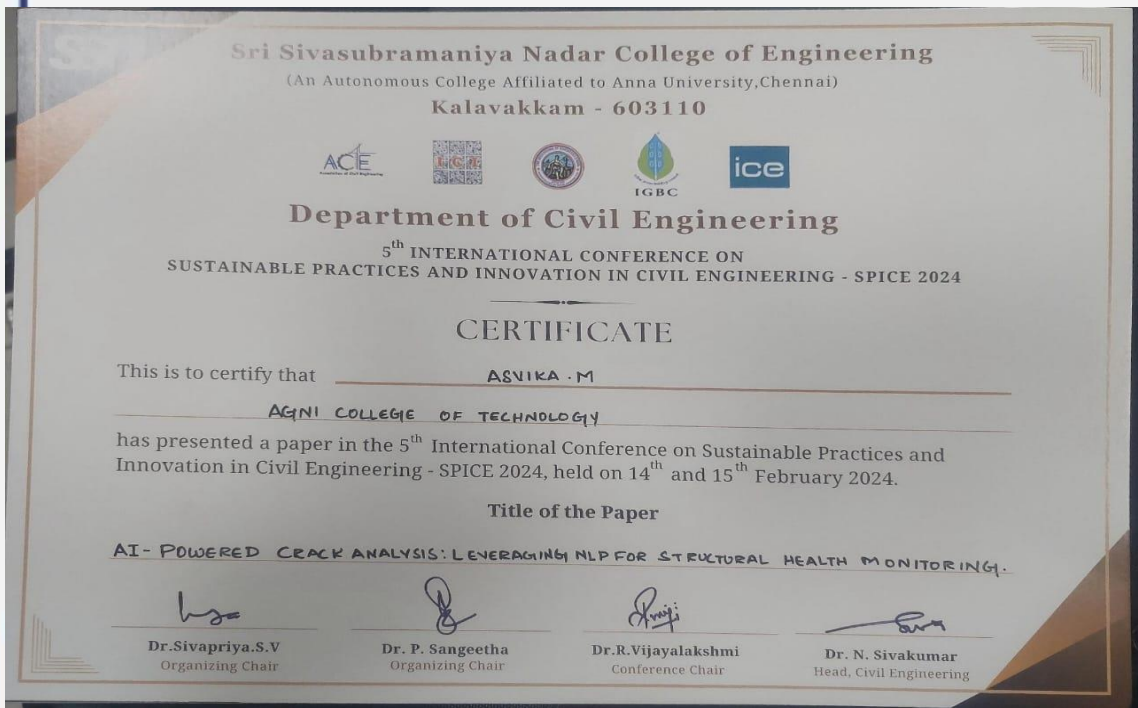


AIDS STUDENTS PARTICIPATION



III year students Asvika M. and Caroline Jessica J. from Artificial Intelligence and Data Science have presented a paper titled "AI-POWERED CRACK ANALYSIS :LEVERANGING NLP FOR STRUCTURAL HEALTH MONITORING" in the 5th International Conference on Sustainable Practices and Innovation in Civil Engineering- SPICE 2024, organized by Sri Siva Subramaniya Nadar College of Engineering, held on 15th February 2024

GALLERY



BE AN ACTIONeer, Aspire To BE the BEST

YOUTH HEALTH MELA PARTICIPATION



III year students of Artificial Intelligence and Data Science participated in "YOUTH HEALTH MELA 2024: CELEBRATE LIFE" conducted by The Cancer Institute (WIA), Adyar, Chennai at Anna Centenary Library Auditorium, Chennai on 15.2.2024.

BE AN ACTioneer, Aspire To BE the BEST

PARTICIPATION IN YOUTH HEALTH MELA



III year students of Artificial Intelligence and Data Science participated **"YOUTH HEALTH MELA 2024: CELEBRATE LIFE"** conducted by The Cancer Institute (WIA), Adyar, Chennai, at the Anna Centenary Library Auditorium, Chennai, from February 15th to February 17th, 2024. During the programme, students participated in **"ART DRAWING EVENT PARTICIPATION IN YOUTH HEALTH MELA"** and showed their talents on 15TH February 2024.

BE AN ACTIONEER, ASPIRE TO BE THE BEST

STUDENT PARTICIPATION



The III year students of the Department of Computer Science and Engineering participated in the **Anna Centenary Library Auditorium** in Chennai, which hosted the **Youth Health Mela-2024** on February 15, 2024, with a theme combining substance abuse, hygiene, diet and nutrition, physical activity, and environment.

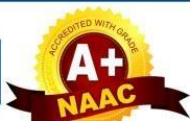
BE AN ACTioneer, Aspire To BE the BEST



Agni College of Technology

(An AUTONOMOUS Institution)

Accredited by NBA, NAAC with A+ Grade, Estd.2001. Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai
OMR, Chennai ☎ 044 4997 2900 📠 94450 54081 📠 81221 24081 | www.act.edu.in



GALLERY



BE AN ACTioneer, Aspire To BE the BEST



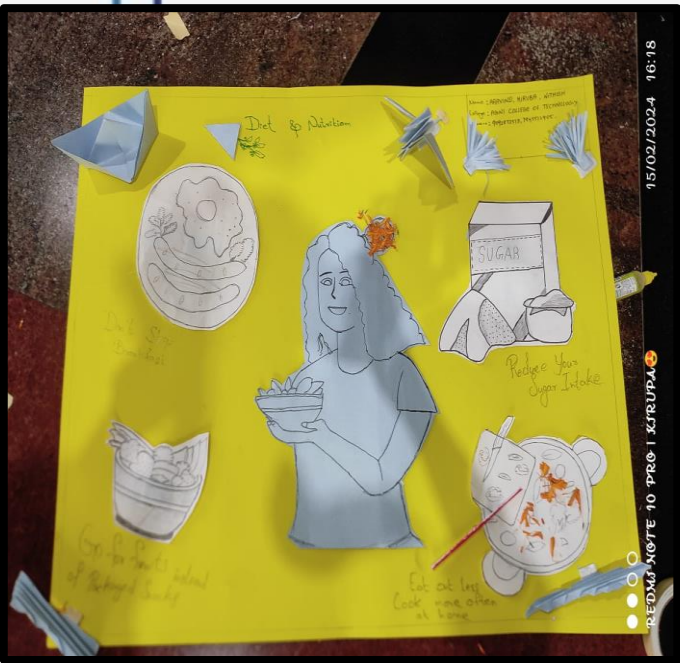
Agni College of Technology

(An AUTONOMOUS Institution)

Accredited by NBA, NAAC with A+ Grade, Estd.2001. Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai
OMR, Chennai ☎ 044 4997 2900 ☎ 94450 54081 ☎ 81221 24081 | www.act.edu.in



GALLERY



BE AN ACTioneer, Aspire To BE the BEST



Agni College of Technology

(An AUTONOMOUS Institution)

Accredited by NBA, NAAC with A+ Grade, Estd.2001. Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai
OMR, Chennai ☎ 044 4997 2900 📠 94450 54081 📠 81221 24081 | www.act.edu.in



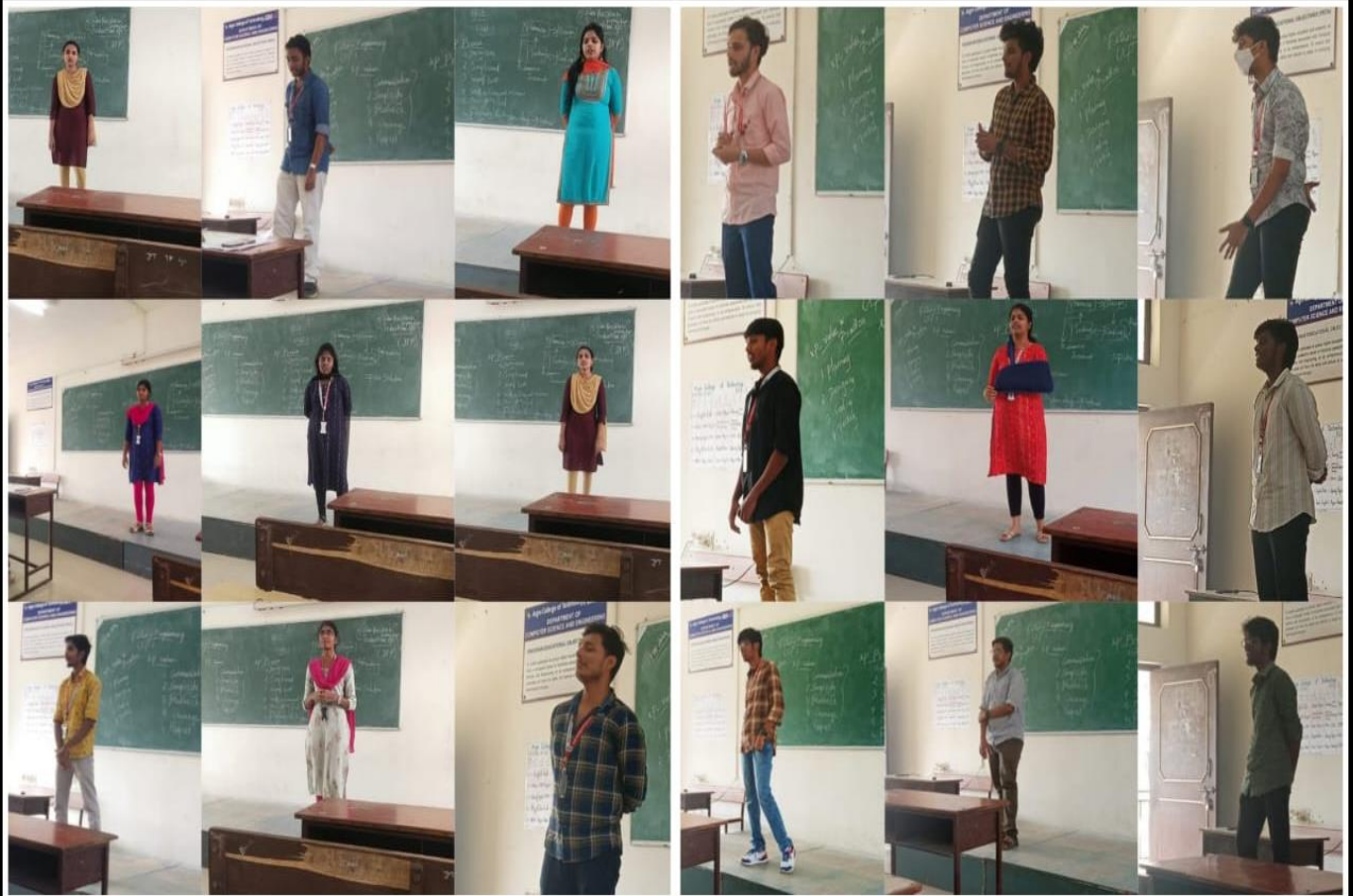
STUDENT ACTIVITY



The **III CSE B** students **self-introduced** themselves during **Softskills** hour on 15.2.2024, coordinated by **Mrs. L. Prinslin**, AP/CSE. Through this session, students had overcome the fear of showing up and talking in front of others. They also got a platform to express their views about themselves, which will be useful while facing the HR during their interview process.

BE AN ACTioneer, Aspire To BE the BEST

GALLERY



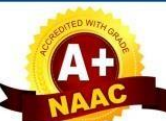
BE AN ACTioneer, Aspire To BE the BEST



Agni College of Technology

(An AUTONOMOUS Institution)

Accredited by NBA, NAAC with A+ Grade, Estd.2001. Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai
OMR, Chennai ☎ 044 4997 2900 📠 94450 54081 📠 81221 24081 | www.act.edu.in



PLACEMENT-SOFT SKILL TRAINING



IV year students in the Department of Biomedical Engineering, had their placement soft skill training on **“Speaking without Repeating”** in order to develop their vocabulary skills. It was conducted by Mrs. Bilna C, department placement coordinator, on 14th February, 2024.

BE AN ACTIONEER, ASPIRE TO BE THE BEST

AIDS DEPARTMENT MEETING



Dr. Ishwarya M.V., Associate Professor and Head of the Department of Artificial Intelligence and Data Science, conducted “THE DEPARTMENT MEETING” with all the faculty members of AIDS. The following agenda items were discussed in the meeting: WAZOKU challenges, course file submission for 1st and 2nd years, faculty publication count increasing, PRIDE activity participation, and Regulation 2024 curriculum framing on 16th February 2024.

STUDENT REPOSITORY



Dhanushri R, II year, Department of Computer Science and Engineering, has beautifully sketched a portrait of her brother. It shows the love and bonding of siblings.