

A DAILY NEWSLETTER

Editor in Chief

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Ms. S. Indu, AP-BME

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PLACEMENT NEWS

BE AN ACTioneer, Aspire To BE the BEST



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(An AUTONOMOUS Institution

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THE PLACEMENT CELL

organize a



WORKSHOP

titled

"LINKEDIN CAREER KICKSTARTER"



Date:

26th Sep 2024

Eligible Department:

All Department Third year students

Venue:

COLLEGE PREMISES

The students from all **department third-year** were provided with a workshop on "**LinkedIn Career Kickstarter**" organized by the **Training and Placement Cell,** on **26**th **SEP 2024.**







A DAILY NEWSLETTER

GALLERY













PLACEMENT NEWS



The final year students from (MHT-4 and MAE-2) got placed in Shiran Engineering as Junior Engineer for a CTC of 3 LPA. Shiran Engineering, deploys advanced engineering in the field of custom tooling and automation to meet the needs of manufacturing industries towards achieving manufacturing excellence.



PLACEMENT DRIVE

CAMPUS PLACEMENT DRIVE



BATCH 2025 PASSOUT





ROBONETICS AUTOMATION SOLUTIONS

Date: **27th Sep 2024**

Eligible Department:

Mechanical School
(MAE & Mech), MHT

Package: **2.5 LPA**

Drive Venue: COLLEGE PREMISES

The final year students from MAE, Mechanical, and MHT departments attended the placement drive for "Robonetics Automation Solution on 27th SEP 2024. Robonetics Automation Solution, has independent core technologies for SLAM laser navigation technology, motion control, and remote scheduling systems. They have pioneered innovative designs, such as, modular structure design for AGV unmanned forklifts, mini laser-guided unmanned transport vehicles, and hybrid laser and visual guidance technology.



GALLERY





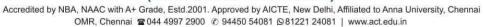
















WORKSHOP



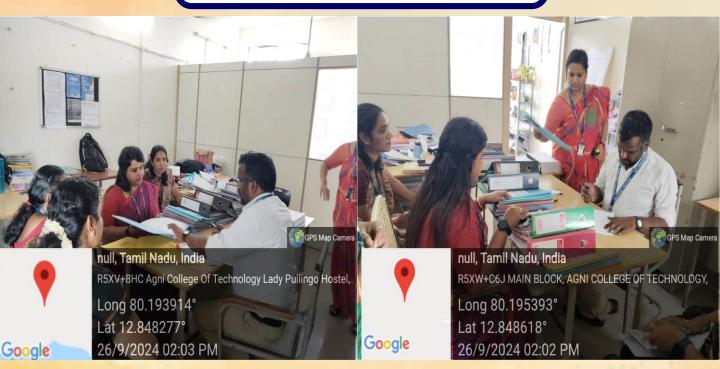
The IInd and IIIrd Year students from "Information Technology" attended a workshop on "LinkedIn Career Kickstarter" organized by Placement Cell on 26th SEP 2024.





INTERNAL QUALITY

ASSURANCE CELL AUDIT



The Internal Quality Assurance Cell Audit, was conducted at the Artificial Intelligence and Data Science Department by the IQAC Coordinator, Dr. Narendranathan S K, Associate Professor, Controller of Examinations, Agni College of Technology. As per the schedule on 26th SEP 2024. All the 57 files were verified in the presence of all the faculty in the Department.





INTERNAL QUALITY

ASSURANCE CELL AUDIT





Dr. T. Anand, Dean, Academics, conducted the IQAC Audit in the CSE department held today. **Dr. Balaji Madhavan, Auditee and HoD/CSE,** along with department IQAC coordinator **Mr. R. Kannan., AP/CSE,** and faculty members, presented the files for the audit.





INTERNAL QUALITY

ASSURANCE CELL AUDIT



The Academic Audit-1 (2024-2025) was conducted by the Internal Quality Assurance Cell and includes self-study by the departments and physical verification by peers. Dr. Arul Kulandaivel, Professor, /Head, Science and Humanities reviewed the files belonging to the Department of Electronics and Communication Engineering in the presence of Dr. R. Ratheesh, Assistant Professor/Head, and all the department faculty members on 27th SEP 2024.



INTERNAL QUALITY

ASSURANCE CELL AUDIT



Dr. Arul Kulandaivel, Head, Department of Science and Humanities, conducted an audit of IQAC files in the Mechatronics department today.







CERTIFICATE OF COMPLETION

Presented to

Sai Manogna P R

For successfully completing a free online course Principles of Management

Provided by

Great Learning Academy

(On September 2024)



Dr. Ishwarya M. V, Associate Professor and Head of the Department of Artificial Intelligence and Data Science, mentored her mentee, Sai Manogna, PR, final year, AIDS student, for the completion of the following certifications courses: Basics of Business Communication, Email Writing Skills, Design Thinking, Business English, and Principles of Management.





GALLERY



| | | | | | | COURSE COMPLETION CERTIFICATE | | | | |

The certificate is awarded to

SAI MANOGNA PR

for successfully completing the course

Business English

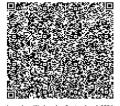
on September 4, 2024



Congratulations! You make us proud!



Thirumala Arohi
Executive Vice President and Global Head
Education, Training & Assessment (ETA)
Infosys Limited



Issued on: Wednesday, September 4, 2024
To verify, scan the QR code at https://verify.onwingspan.com



COURSE COMPLETION CERTIFICATE

The certificate is awarded to

SAI MANOGNA P R

for successfully completing the course

Design Thinking

on September 2, 2024



Congratulations! You make us proud!

lena

Thirumala Arohi Executive Vice President and Global Head Education, Training & Assessment (ETA)

Issued on: Monday, September 2, 2024
To verify, scan the QR code at https://verify.onwingspan.com









GALLERY



COURSE COMPLETION CERTIFICATE

The certificate is awarded to

SAI MANOGNA PR

for successfully completing the course

Email Writing Skills

on September 4, 2024



Congratulations! You make us proud!



Thirumala Arohi Executive Vice President and Global Head Education, Training & Assessment (ETA) Infosys Limited



ssued on: Wednesday, September 4, 2024 To verify, scan the QR code at https://verify.onwingspan.com



| | | | | | | | COURSE COMPLETION CERTIFICATE | | | | | | | |

The certificate is awarded to

SAI MANOGNA PR

for successfully completing the course

Basics of Business Communication

on September 13, 2024

Infosys | Springboard

Congratulations! You make us proud!

Lenge

Thirumala Arohi Executive Vice President and Global Head Education, Training & Assessment (ETA) Infosys Limited

Issued on: Friday, September 13, 2024
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CERTIFICATE OF COMPLETION

Presented to

PARTHIBAN R

For successfully completing a free online course UI / UX for Beginners



Provided by
Great Learning Academy

(On September 2024)

Parthiban R, IInd-Year Student, Department of **Information Technology**, has successfully completed an online course titled "**UI/UX for Beginners**" organized by Great Learning in the month of September 2024.













R. Lakshmi Priya, R. Amirtha Lakshmi, H. Divya Dharshini and V. Anupriya (AI&DS), first-year students, Department of Science and Humanities, have successfully completed the online Course on "Artificial Intelligence Beginners Guide: What is AI?" provided by Simlilearn SkillUP in the month of September 2024.













M. Sowmiya, M. Prema, S. Jeyanth and M. Divyasree (AI&DS), first-year students, Department of Science and Humanities, have successfully completed the online Course on "Introduction to Artificial Intelligence" provided by Simplilearn SkillUP in the month of September 2024.



STUDENT ACHIEVEMENT







R. Swarnalatha, S. Kiruthika and Jerith Heartson (AI&DS),

first-year student, Department of Science and Humanities, have successfully completed the online Course on "Introduction to Artificial Intelligence" provided by Great Learning Academy in the month of September 2024.











Anushya (AI&DS), a first-year student, Department of Science and Humanities, has successfully completed the online Courses on "Intro to Graphic Design with Photoshop, Introduction to Artificial Intelligence and Python Fundamentals for Beginners", provided by Great Learning Academy in the month of September 2024.









G. Theja Sri and S. Yogalakshmi (AI&DS), first-year students, Department of Science and Humanities, have successfully completed the online Course on "Introduction to Artificial Intelligence" provided by Simplilearn SkillUP in the month of September 2024.









G. Guru Saran (AI&DS), a first-year student, Department of Science and Humanities, has successfully completed the online Course on "Artificial Intelligence Beginners Guide: What is AI?" provided by Simlilearn SkillUP in the month of September 2024.









K. Giri Dharan (AI&DS), a first-year student, Department of Science and Humanities, has successfully completed the online Courses on "Introduction to Artificial Intelligence and Smart English Basics for Professionals" provided by Great Learning Academy in the month of September 2024.



STUDENT ACHIEVEMENT



J. Dharshini Mary (AI&DS), a first-year student, Department of Science and Humanities, has successfully completed the online Course on "Introduction to **Cloud Computing**" provided by Simplilearn SkillUP in the month of September 2024.



STUDENT ACHIEVEMENT



J. Leena Vishagini (AI&DS), a first-year student, Department of Science and Humanities, has successfully completed the online Course on "Introduction to MS Excel" provided by Simplificarn SkillUP in the month of September 2024.







Hemadharshini (AI&DS), a first-year student, Department of Science and Humanities, has successfully completed the online Course on "Artificial Intelligence Fundamentals" provided by Great Learning Academy in the month of September 2024.



STUDENT ACHIEVEMENT







A. Jose Ritthika (ECE), a first-year student, Department of Science and Humanities, has successfully completed the online Courses on "Machine Learning Algorithms, Introduction to Artificial Intelligence and Prompt Engineering for ChatGPT" provided by Great Learning Academy in the month of September 2024.











N. Mathiyazhagan (ECE), a first-year student, Department of Science and Humanities, has successfully completed the online Courses on "Introduction to Software Testing, Introduction to Artificial Intelligence and Machine Learning for Begginners: First step to become a Machine Learning Engineer" provided by Great Learning Academy in the month of September 2024.





STUDENT PARTICIPATION





Certificate of Participation

This is to certify that Sithick Sahil Ahamed Z

from Agni college of technology has participated in the TATA Crucible Campus Quiz 2024 organised by the Tata Group.





Sithick Sahil Ahamed Z, IInd, Year Student, Department of **Information Technology**, has successfully completed the online course on "**TATA Crucible Campus Quiz 2024**" organized by the **TATA Group**.





STUDENT PARTICIPATION



Mr. Karunakaran W, Ivth, year, CSE A, participated in the RBI@90 Nationwide Online Quiz organised by Reserve Bank of India on September 2024 at Chennai.





STUDENT PARTICIPATION







Vidhyasri R, Harshavardhini R & Roshini S, IIIrd-year, Department of Biomedical Engineering, participated in the level 1: E-Commerce & Tech quiz of the flipkart GRiD 6.0-Software Development Track organized by the flipkart on September 2024.





INTERNSHIP



Prathip Kumar S, IIIrd-year, Department of Aerospace Engineering, has undergone Internship Training for a month in Dhaksha Unmanned Systems Pvt Ltd from 14th July 2024 to 14th August 2024





FACULTY ACHEIVEMENT

Communications on Applied Nonlinear Analysi: ISSN: 1074-133X Vol 32 No. 2 (2025)

Implementing Real-Time Traffic Flow Prediction Using LSTM Networks for Urban Mobility Optimization

Dr. Divya Mahajan¹, Mr. Vinayak V. Pottigar², Suresh C³, Adil Fahad⁴

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The rapid urbanization and subsequent traffic congestion are challenging public transportation systems that are responsible for the mobility of populations living in such cities. It is challenging to achieve an accurate and reliable real-time traffic forecasting using existing models such as statistical methods and traditional machine learning methods because of the dynamic nature, temporal dependency, and spatial heterogeneity of traffic flow. To overcome these shortcomings, this paper presents a real-time traffic flow forecasting model based on LSTM. Long short-term memory (LSTM), a kind of form RNN, has the great capacity to capture the time sequence and abrogate correlation dependency, which is well consistent with traffic flow-pattern behaviours. That being said, the model predicts the traffic flow in a short-term using historical data of volume, speed and dition on road. The study also utilizes various types of data -- including GPS data from vehicles, sensors and traffic cameras - to enhance predictive accuracy. Extensive experiments using real-world traffic datasets show that the proposed LSTM-based model significantly outperforms traditional machine learning models, such as ARIMA and upport Vector Machines (SVMs), in terms of both prediction accuracy and response time. The results demonstrate that the model could achieve an accuracy of more than 90% in predicting complaints, suggesting it is a successful approach to urban traffic management systems which can lessen congestion and improve mobility. The solution offers up-to-theminute traffic flow predictions, enabling real-time route planning, traffic optimization and premptive congestion control. The research concludes that by using this predictive type of LSTM networks, it can full-fill a great role in solving the urban mobility problem because if we could have more accurate traffic prediction based on historical data th as training samples so it might turn into significant improvements on decreasing travel delays and enhancing overall traffic efficiency so that's hence why it is a scalable

Mr. Suresh C, Assistant Professor, Department of Computer Science & Engineering, has published a journal paper titled, "Implementing Real - Time Traffic flow prediction using LSTM Networks for Uraban Mobility Optimization" in Scopus Index.





FACULTY ACHEIVEMENT

The construction industry, a cornerstone of economic development, has long faced challenges such as cost overruns, delays, and safety concerns. However, a paradigm shift is underway, fueled by the transformative power of artificial intelligence (AI). Al-driven solutions are revolutionizing the industry, offering innovative approaches to design, planning, construction, and management.

By harnessing the capabilities of AI, construction professionals can enhance

By harnessing the capabilities of Al, construction professionals can enhance efficiency, improve quality, and build smarter structures that meet the evolving demands of a rapidly changing world. One of the most significant applications of Al in construction is in the area of design and planning. Alpowered software can analyze vast amounts of data, including historical project information, building codes, and environmental factors, to optimize designs, identify potential risks, and improve energy efficiency.



Vishnuvardhan S Nirmalambal U Lakshmi K

S.Vishnuvardhan is working as Assistant professor in Department of Civil Engineering at Agni College of Technology

U.Nirmalambal is working as Associate professor and HOD in civil engineering at Meenakshi Sundararajan Engineering College

K.Lakshmi is working as Associate Professor in MCA Department in Erode Sengunthar Engineering College BUILDING SMARTER AI DRIVEN SOLUTIONS FOR THE CONSTRUCTION INDUSTRY





Mr. S. Vishnuvaradhan, Assistant Professor, Department of Civil Engineering, has published a book entitled "Building Smarter AI Driven Solutions for the Construction Industry" in the month of September 2024.





FACULTY ACHIEVEMENT



DR. T. THIMMAIAH INSTITUTE OF TECHNOLOGY

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Affiliated to Visvesvaraya Technological University, Belagavi Approved by AICTE - New Delhi, ISO 21001:2018 Certified

CERTIFICATE



This is to certify that Dr./Prof./Mr./Ms. Ishwarya M.V has presented paper entitled

Identifying Sources of Soil Pollution in Industrial Areas Using IoT Data and Neural Networks

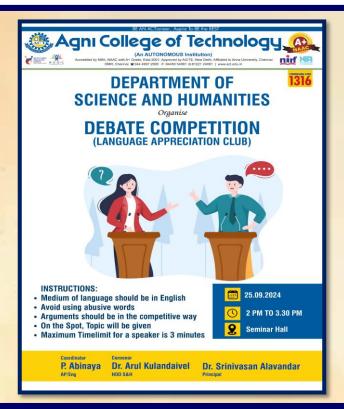
in 2024 Asian Conference on Intelligent Technologies (ACOIT) organized by Dr. T. Thimmaiah Institute of Technology, Kolar from 6th September 2024 to 7th September 2024.

Dr Syed Ariff General Chair, ACOIT 2024 Dr Vijaya Geetha R Convener, ACOIT 202

Dr. Ishwarya M.V, Associate Professor and Head of the Department of Artificial Intelligence and Data Science has presented a paper entitled "Identifying Sources of Soil Pollution in Industrial Areas Using IoT Data and Neural Networks" in the 2024 Asian Conference on Intelligent Technologies (ACOIT) organized by Dr. T. Thimmaiah Institute of Technology, Kolar from 6th September 2024 to 7th September 2024



CLUB ACTIVITY



The Department of Science and Humanities, in association with the **Language Appreciation Club**, organized a debate competition on 26th SEP 202. The first year participants, around 30 from sections, have actively participated in the "Debate Competition" given spot topics. Dr. Arul Kulandaivel, Head, Department of Science and Humanities preceded the event. Ms. Abinaya, AP, S&H, was the coordinator of the event, and altogether the event was a successful one in order to identify the young spirits among the students.





GALLERY













INNOVATIVE TEACHING LEARNING PROCESS ROLE-PLAY









Dr. Balaji Madhavan, HoD, Department of Computer Science & Engineering, conducted the role-play for the CSE 2nd year, A SECTION, on the topic, "**Data Structures-Enqueue operation in circular queue**", on 27th September 2024.





EDC MEETING



Dr. Ishwarya M.V., Associate Professor and Head of the Department of Artificial Intelligence and Data Science, conducted a meeting with all the Entrepreneurship Development Cell Coordinators on 27th SEP 2024. The following topics were discussed: MSME Start-up, Orientation awareness, Product development, etc.





DEPARTMENT MEETING



Dr. Balaji Madhavan, HoD, Department of Computer Science & Engineering, convened a department meeting on September 26th 2024. The agenda of the meeting included the department activity calendar, IQAC audit, IAT Exam Question Paper, appreciation to the faculty members, Webinar, Project Competition and other activities of the department.





PARENTS MEETING



Dr. Ishwarya M.V, Associate Professor and Head of the Department of Artificial Intelligence and Data Science, conducted parent teachers meeting for the second year student Kumaresh S. The meeting was regarding the student's discipline, studies and his overall performance.

