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Vol.12. issue.17 20.12.2024



A DAILY NEWSLETTER 20.12.2024

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BATCH 2025 PASSOUT





Kesseboehmer Furniture Fittings India Pvt. Ltd.

The final year students of all departments attended the Online Group Discussion Round for **Kesseböhmer Furniture Fittings India Pvt Ltd on19.12.2024** between 3.30 to 4.30 pm. For almost 70 years, **Kesseböhmer** has been a reliable partner for shopfitting, the furniture industry, the automotive industry and manufacturers of ergonomic office furniture and stands for innovative solutions that combine design, function and quality.

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GALLERY





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K. S. Dharshini (BME), a I-year student from the Department of Science and Humanities, has successfully completed the certificate course on "**Digital 101 Journey**" provided by IT-ITeS SSC NASSCOM, futureskills Prime with AICTE in the month of December 2024.

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CERTIFICATE OF COMPLETION

Presented to

MOHAN M

For successfully completing a free online course Prompt Engineering for ChatGPT

Provided by

Great Learning Academy

(On December 2024)

Mohan M, a II-year student from the Mechatronics Department, has successfully completed the online course on the topic of "PROMPT ENGINEERING FOR CHATGPT" organized by GREAT LEARNING ACADEMY on DECEMBER 24.

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Vishnu S, a II-year student from the Mechatronics Department, successfully completed the online course on the topic of "ENCODER DECODER ARCHITECTURE" organized by SIMPLILEARN on DECEMBER 24.

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Luminescence



SHORT COMMUNICATION

Madras, Chennai, Tamil Nadu, India

Iron-Doped Cadmium Sulfide/Graphene Oxide (Cd_(1-x)Fe_(x)S/GO) Nanocomposites for Photocatalytic Degradation of Toxic Pollutants

S. Dorothy¹ | P. Sugumar² | S. Meenakshi³ | Munusamy Settu⁴ | Sandhanasamy Devanesan⁵ | K. Kalpana^{6,7} | Saurav Dixit⁸ | K. Rajenoran¹⁰

¹Department of Chemistry, Government Arts and Science College, Perumbakkam, Chennai, India | ²Department of Physics, Agni College of Technology, Chennai, India | ³Department of Chemistry, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai, Tamil Nadu, India | ⁴Centre for Applied Nanomaterials, Chennai Institute of Technology, Chennai, India | ³Department of Research School of Engineering, Saveetha Institute of Medical and Technical Sciences, Chennai, India | ³Biochemie Research Laboratory, Chennai, India | ³Centre of Research Impact and Outcome, Chitkara University, Rajpura, Punjab, India | ⁴Division of research and innovation, Uttaranchal University, Dehradun, India | ¹Department of Polymer Sciences, University of

Correspondence: S. Meenakshi (meenakshivanitha@gmail.com) | K. Kalpana (kalpanakumar19@gmail.com)

Received: 31 May 2024 | Revised: 7 November 2024 | Accepted: 18 November 2024

Funding: This work was supported by the Center for Computational Modeling (CIT/CCM/2023/RP-013) and the Researchers Supporting Project (RSP2025R398).

Keywords: Cd1.aFe2S/GO | coprecipitation | methyl Orange | nanocomposites | photocatalysis | semiconductors

Dr. P. Sugumar, Assistant Professor, Department of Science and Humanities (Physics) has published a research paper titled "Iron-Doped Cadmium Sulfide/Graphene Oxide (Cd(1-x)Fe(x)S/GO) Nanocomposites for Photocatalytic Degradation of Toxic Pollutants" in Luminescence journal with impact factor 3.2.

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FACULTY ACHIEVEMENT

This book provides a practical guide to designing and creating detailed Boeing aircraft models using 3D printing. It covers the basics of aircraft design, CAD modeling, and 3D printing technologies. Readers will learn about material selection, scaling, preparing STL files, and optimizing for printability. The book also includes troubleshooting tips, and insights into using 3D-printed models for educational and display purposes.



Yokesvaran K Prasanth S Sam Daniel Fenny A



Mr. K. Yokesvaran, Assistant Professor, Dept of Aerospace Engineering at Agni College of Technology, Tamil Nadu, India. He has 11 years of teaching experience in the areas of Composite Materials, Aircraft Structures, Vibration and Aeroelasticity, and Finite Element Analysis. He is currently pursuing research in Material Characterization Metallurgy.



A Study in Innovation and Precision





Mr. Yokesvaran K, Assistant Professor in the Department of Aerospace Engineering, has published a book titled "Design of 3D Printed Boeing 787-9 Dreamliner Aircraft Model" with Lambert Academic Publishing.

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FACULTY ACHIEVEMENT

This study focuses on the optimized design and analysis of an amphibious flying wing Unmanned Aerial Vehicle (UAV). The innovative design integrates aerodynamic efficiency, stability, and operational versatility for both aerial and aquatic environments. Computational took were utilized to refine the air frame and hydrodynamic features, ensuring seamless transitions between land, air, and water operations. Key performance parameters; including lift-to-drag ratio, structural integrity, and buoyancy, were evaluated to enhance functionality. The optimized design aims to support diverse applications such as surveillance, search and rescue, and environmental monitoring, showcasing the potential for multi functional UAV systems in challenging terrains.



Prasanth S Yokesvaran K Surenderpaul A

Optimized Design and Analysis of an Amphibious Flying Wing UAV

Optimized for Air and Water Operations



Mr. S. Prasanth serves as an Assistant Professor in Caerospace Engineering at Agni College of Technology, Chennai, Tamil Nadu, India. With a decade of teaching experience, he holds an M.E. in Aerospace Technology from the MIT, Anna University, Chennai, Tamilnadu, India.His areas of interest include Propulsion and Aerodynamics and High Speed Jets.





Mr. Prasanth S, Assistant Professor in the Department of Aerospace Engineering, has published a book titled "Optimized Design and Analysis of an Amphibious Flying Wing UAV" with Lambert Academic Publishing

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Dr. Ragupathy K, Assistant Professor from the Department of Mechanical and Automation Engineering, has successfully completed all the requirements for the **Swayam-NPTEL Domain Certificate in Data Science** (Computer Science).

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FACULTY ACHIEVEMENT



Dr. Ragupathy K, Assistant Professor in the Department of Mechanical and Automation Engineering, has been recognized as **NPTEL Discipline Star JUL-DEC 2024** from Swayam-NPTEL.

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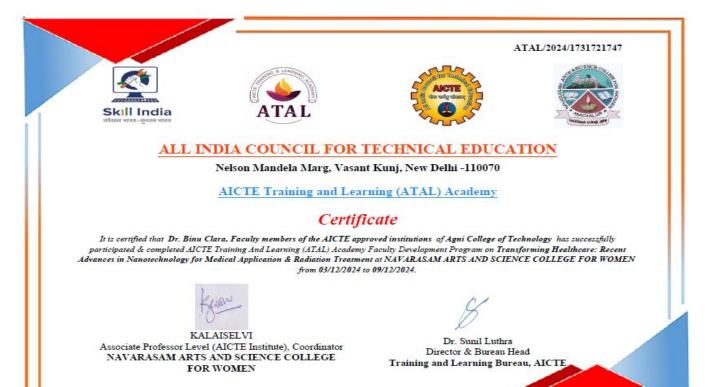
FACULTY ACHIEVEMENT



Mr. Arun M, Assistant Professor in the Department of Mechanical and Automation Engineering, has been recognized as a NPTEL motivated 2024 from Swayam-NPTEL Learner JUL-DEC.

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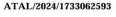
Dr. J. Binu Clara, Assistant Professor, Biomedical Engineering Department has successfully participated and completed the AICTE Training and Learning (ATAL) Faculty Development Program on "Transforming Healthcare: Recent Advances in Nanotechnology for Medical Application and Radiation Treatment" at Navarasam Arts and Science College for Women from 03/12/2024 to 09/12/2024.

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AICTE Training and Learning (ATAL) Academy

Certificate

It is certified that Mr. Sivaprakash, Faculty members of the AICTE approved institutions of AGNI COLLEGE OF TECHNOLOGY has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on ARTIFICIAL INTELLIGENCE APPLICATIONS IN RENEWABLE ENERGY SOURCES at Jayamukhi Institute of Tchnological Sciences from 09/12/2024 to 14/12/2024.



ANIL GOTTIMUKKULA
Associate Professor Level (AICTE Institute), Coordinator
Jayamukhi Institute of Tchnological Sciences



Dr. Sunil Luthra Director & Bureau Head Training and Learning Bureau, AICTE

Mr. P. SivaPrakash, Assistant Professor, Mechatronics Department, participated in the online ATAL FDP on "ARTIFICIAL INTELLIGENCE APPLICATIONS IN RENEWABLE ENERGY SOURCES" organized by Jayamukhi Institute of Technological Sciences from 9/12/24 to 14/12/24.

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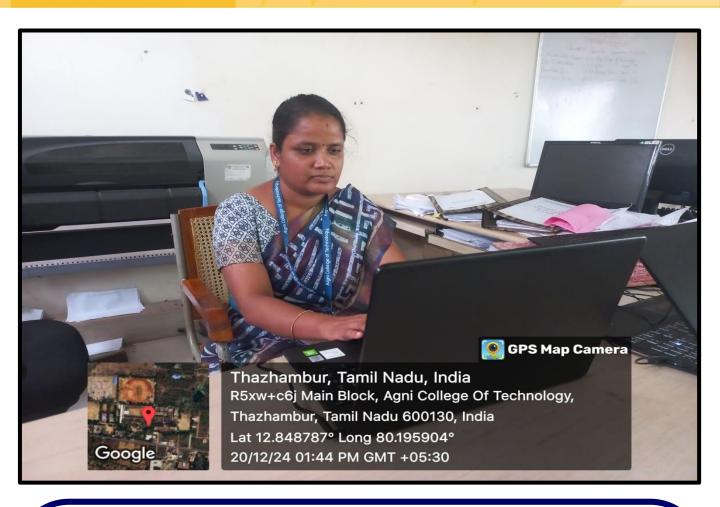
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Dr. Dhanasakkaravarthi B, Assistant Professor in the Department of Mechanical Engineering, has successfully participated & completed the AICTE Training And Learning (ATAL) Academy Faculty Development Program on "**Digital Manufacturing & Design Technology**" at PANIMALAR ENGINEERING COLLEGE from 09/12/2024 to 14/12/2024

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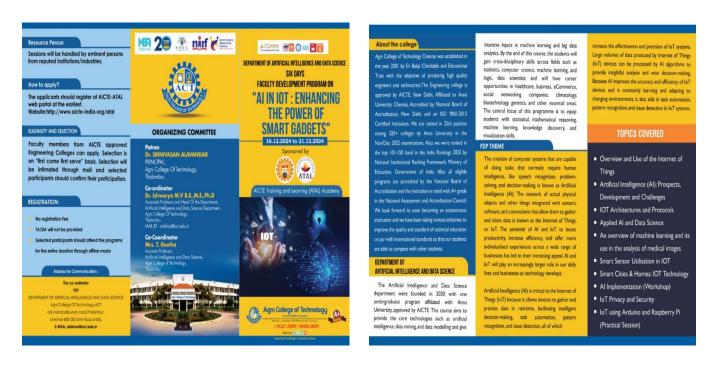
FACULTY PARTICIPATION



Mrs. Elavarasi R, Assistant Professor, Department of Information Technology, attended the Faculty Development Program (FDP) on "Converging Machine Learning, DevOps and GPU Computing for Breakthrough Innovations" organized by SRM Valliammai Engineering College, Chennai on 20th December 2024.

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FACULTY DEVELOPMENT PROGRAM



The Department of AIDS from Agni College of Technology, in collaboration with the AICTE ATAL Academy, is organizing a 6-day Faculty Development Program 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. Ramya. R, Associate Professor, St. Joseph College of Engineering has delivered an insightful session on "AI Implementation" from 1 pm – 4 pm on 19.12.2024.

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GALLERY







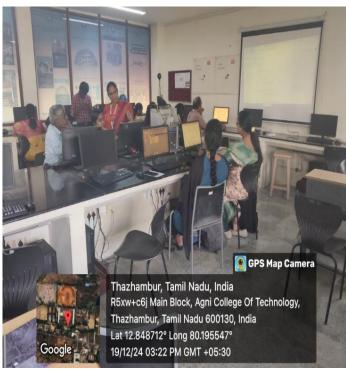


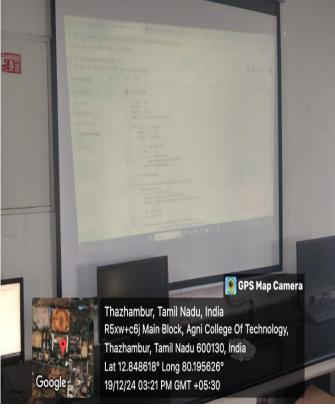
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GALLERY









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FACULTY DEVELOPMENT PROGRAM



As part of the ATAL Faculty Development Program, all participants visited Garuda Aerospace from 10 am to 12 pm on 20.12.2024. The visit proved to be highly informative and enriching for everyone. The experts at Garuda Aerospace provided a comprehensive explanation of their innovative products, leaving the participants thoroughly impressed and delighted with the experience.

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CLASS ACTIVITY



Dr. P. Balakrishnan, Assistant Professor, Department of Science and Humanities (Physics) has conducted the class activity on **Crystallography** for Section-J (IT-B) students held on 17th December 2024.

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DEPARTMENT MEETING



Dr. P. Murugan, Head of the Department, **Department of Chemical Engineering** has conducted a department meeting on 20th December 2024. The meeting focused on conduction of semester projects including the allocation of guides, selection of relevant project topics, and ensuring the availability of necessary resources and facilities and the timeline allocation for project reviews and evaluations to streamline the process, NBA file completion and review, and preparation of syllabus for BOS.

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