

IGNITE 2023



A DAILY NEWSLETTER

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STUDENT ACHIEVEMENT



CERTIFICATE OF COMPLETION

Presented to
Kamini.A

For successfully completing a free online course
Effective communication

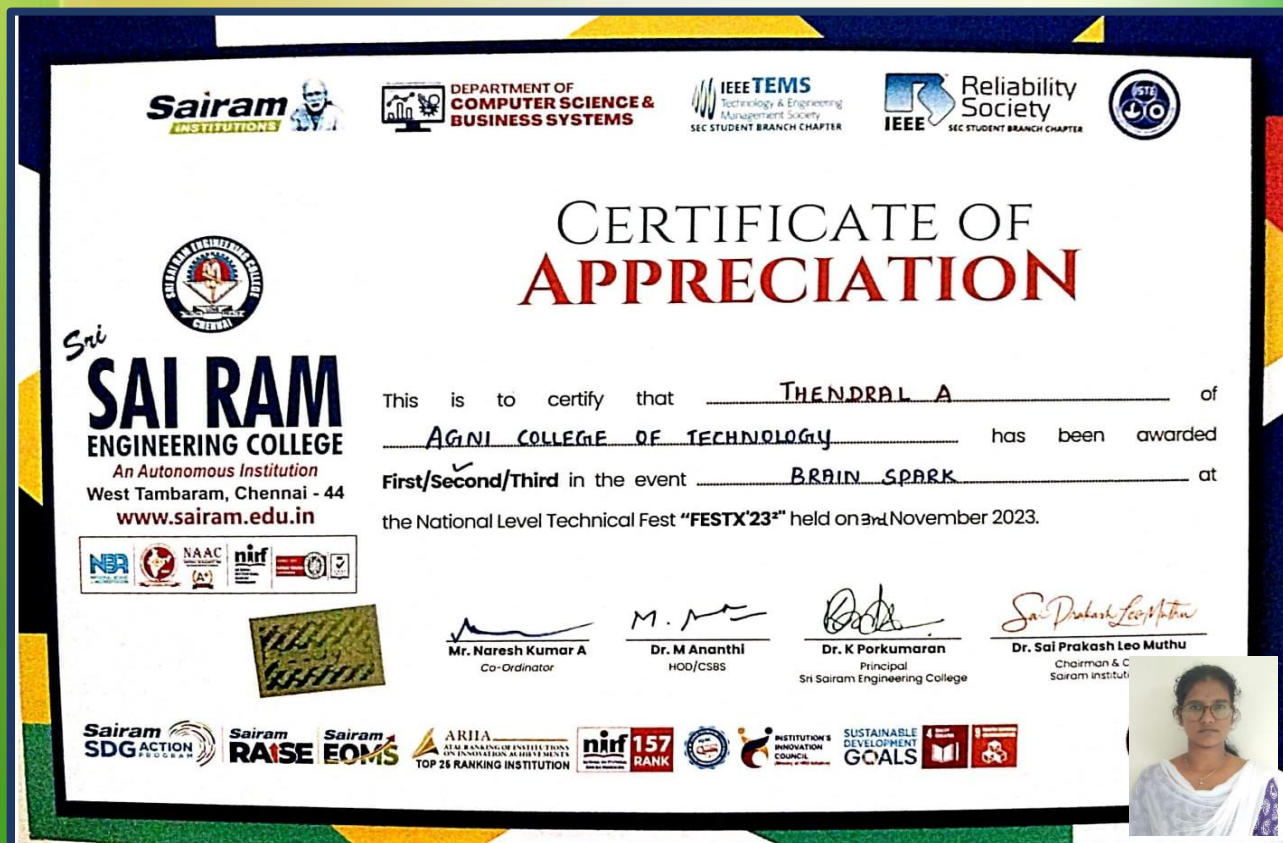
Provided by
Great Learning Academy
(On October 2023)



To verify this certificate visit verify.mygreatlearning.com/XEOXBNOK

Kamini. A , II year student, Department of Artificial Intelligence and Data Science has finished the online course on **"Effective Communication"** conducted by Great Learning on November 3rd 2023

STUDENT ACHIEVEMENT



Thendral, II year student, Department of Artificial Intelligence and Data Science has rewarded second prize in the event “**BRAIN SPARK**” the National Level Technical Fest “**FESTX'23**” conducted by Sri Sai Ram Engineering college on November 3rd 2023

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STUDENT ACHIEVEMENT



SubhaPriya R of II year student Artificial Intelligence and Data Science has rewarded second prize in the event "BRAIN SPARK" the National Level Technical Fest "FESTX'23" conducted by Sri Sai Ram Engineering college on November 3rd 2023

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STUDENT ACHIEVEMENT



Dhanush Preeyan S ,II year student , Department of Artificial Intelligence and Data Science has participated in **“Glider Making Competition”** conducted by Department of Aerospace Engineering , Agni college of Technology on October 18th 2023

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STUDENT ACHIEVEMENT



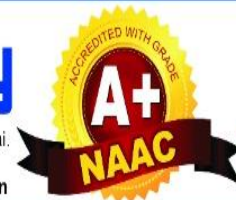
Sachin L , IV year Student , Department of Information Technology, has completed master class on “**Full Stack with Python Programming**” organized by Guvi Learning in the month of October 2023.

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STUDENT ACHIEVEMENT



Krishna S B, II year student of the Department of Computer Science and Engineering has completed an online certificate in **Python for Machine Learning** organized by Great Learning on October 2023.

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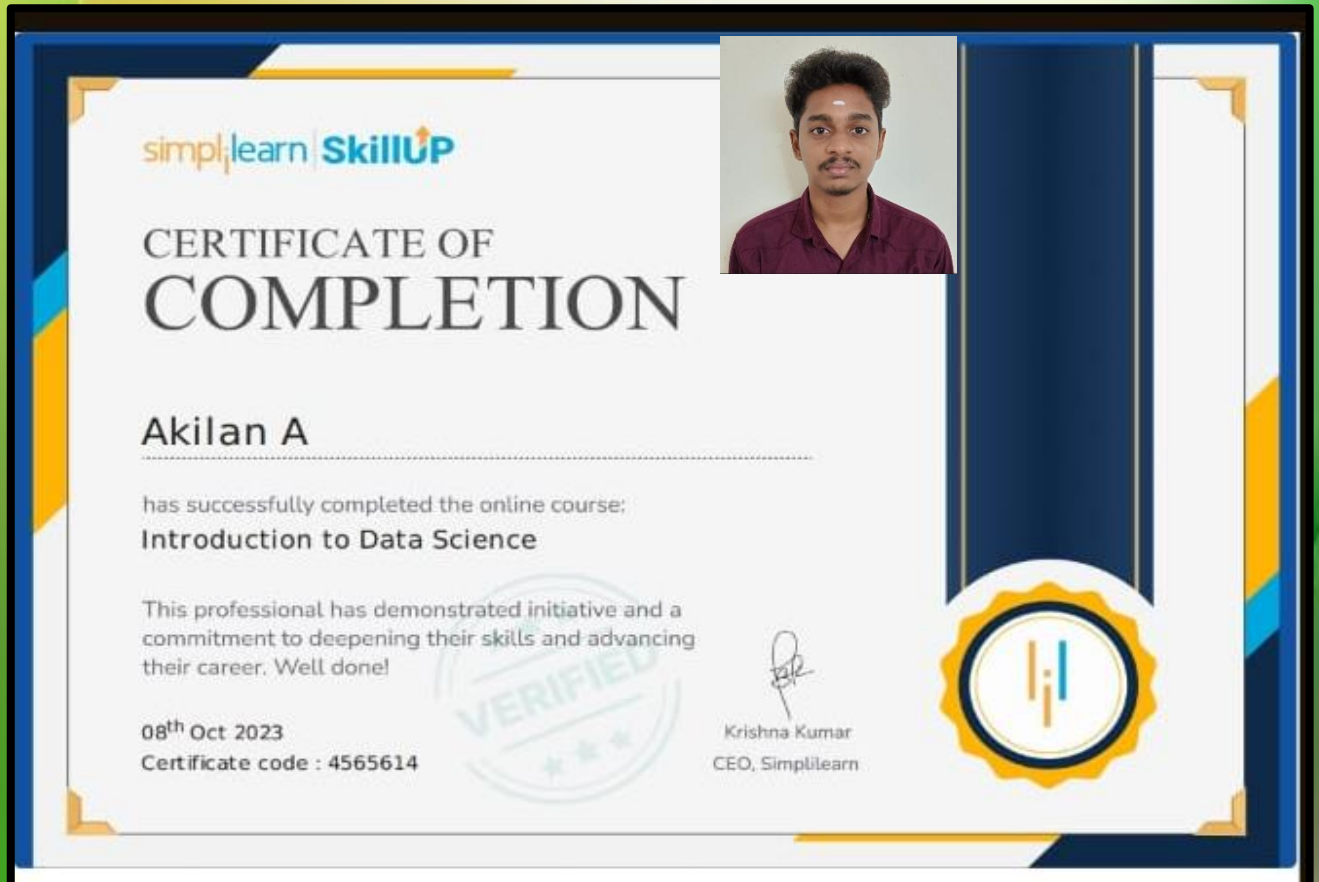


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STUDENT ACHIEVEMENT



Akilan A, II year student , Department of Computer Science and Engineering has completed an online certificate in **Introduction to Data Science** organized by SkilUP on 8th October 2023.

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STUDENT ACHIEVEMENT



Immanuel Joshua, II year student , Department of Computer Science and Engineering has completed an online certificate in **Introduction to Data Science** organized by SkilUP on 2nd October 2023.

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STUDENT ACHIEVEMENT



K. BagyaLakshmi I year student (BME), Department of Science and Humanities has completed the online course on **Python Fundamentals for Beginners** offered by Great Learning Academy in the month of October 2023.

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FACULTY ACHIEVEMENT



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)

This certificate is awarded to
K BALAJI SUNDHARAM
for successfully completing the course

Developing Soft Skills and Personality

with a consolidated score of **72** %

Online Assignments	22.79/25	Proctored Exam	49.5/75
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Total number of candidates certified in this course: **9659**





Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur

Jul-Sep 2023
(8 week course)



Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur



Indian Institute of Technology Kanpur



FREE ONLINE EDUCATION
swayam
विद्यया ऽमृतं मृतं

Roll No: NPTEL23HS116S25331413

To verify the certificate



No. of credits recommended: 2 or 3

Mr. K. Balaji Sundharam, Assistant Professor, Department of Science and Humanities (English) has successfully completed the NPTEL online certification course on **Developing Soft Skills and Personality** with a consolidated (Elite) score of 72 %.

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FACULTY ACHIEVEMENT

MOLECULAR PHYSICS e2272684
https://doi.org/10.1080/00268976.2023.2272684



RESEARCH ARTICLE



Synthesis, spectral, quantum chemical, biological, molecular docking and mathematical investigations of piperidin-4-one oxime picrates

S. Savithiri ^a, S. Bharanidharan ^b, G. Rajarajan ^{c,d}, P. Sugumar ^e and A. Nelson ^f

^aDepartment of Chemistry, Kings Engineering College, Chennai, India; ^bDepartment of Physics, Panimalar Engineering College, Chennai, India;

^cDepartment of Chemistry, Annamalai University, Chidambaram, India; ^dDepartment of Chemistry, Bharathiar University, Coimbatore, India;

^eDepartment of Physics, Agni College of Technology, Chennai, India; ^fDepartment of Mathematics, Panimalar Engineering College, Chennai, India

ABSTRACT

By using spectroscopic techniques, the 3,5-diethyl-2r,6c-diaryl piperidin-4-one oxime picrates (DDP-POP and DDMPPPOP) were characterised by elemental analysis, FT-IR, ¹H, ¹³C and 2D NMR and mass spectral techniques. The compounds follow a normal chair conformation with all substituents orientated equatorially, as indicated by the reported chemical shifts and coupling constants from the NMR spectral data. The optimised molecular structures of the title compounds were done by using DFT method with B3LYP/6-311++G(d,p) theory. According to the calculated first hyperpolarizability (β_0) values of the compounds display non-linear optical (NLO) behaviour. The molecule may have undergone intra-molecular charge transfer, according to the HOMO-LUMO transition. The reactive sites of the title molecule was analysed by using the Molecular Electrostatic Potential (MEP) surface. The Mulliken atomic charges were calculated by using same basis set. The antibacterial and antifungal activity of the title compounds was examined by biological study. Docking studies were thoroughly conducted to establish knowledge regarding the molecular interactions between protein and this compound. This study is further developed and uses the idea of graph colouring in mathematical computation to support the molecular structure we created using NMR spectroscopy.

ARTICLE HISTORY

Received 21 August 2023
Accepted 13 October 2023

KEYWORDS

Oxime picrates; DFT; biological study; docking; graph colouring



Dr. P. Sugumar, Assistant Professor, Department of Science and Humanities (Physics) has published a research paper, “Synthesis, spectral, quantum chemical, biological, molecular docking and mathematical investigations of piperidin-4-one oxime picrates” in Taylors & Francis Elsevier Publications with Impact factor 1.937.

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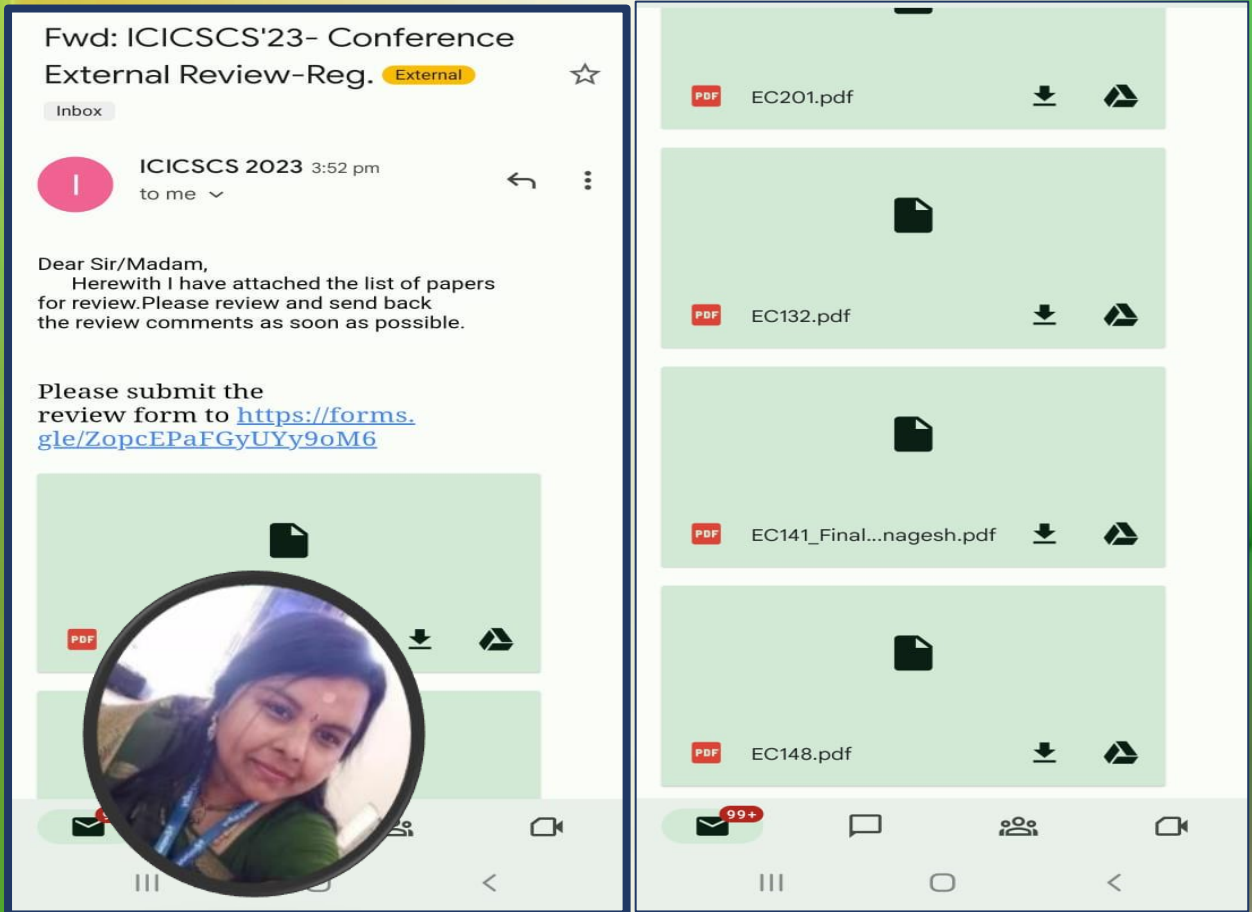
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FACULTY ACHIEVEMENT



Dr.Ishwarya M.V Associate professor and Head has been invited as a Reviewer for the Conference ICICSCS 2023.5 papers has been reviewd by her 4th Nov 2023.

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STUDENT PARTICIPATION



Navaneetha Krishnan T . M , II year student, Department of Artificial Intelligence and Data Science has participated in the National Level Technical Fest “FESTX’23” conducted by Sri Sai Ram Engineering college on November 3rd 2023

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STUDENT PARTICIPATION



Rakesh T , II year student, Department of Artificial Intelligence and Data Science has Participated in the National Level Technical Fest “FESTX’23” conducted by Sri Sai Ram Engineering college on November 3rd 2023

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STUDENT PARTICIPATION



Sachin . R ,II year student , Department of Artificial Intelligence and Data Science has Participated in the National Level Technical Fest “FESTX’23” conducted by Sri Sai Ram Engineering college on November 3rd 2023

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STUDENT PARTICIPATION



Bharani. K , II year student ,Department of Artificial Intelligence and Data Science has Participated in the National Level Technical Fest "**FESTX'23**" conducted by Sri Sai Ram Engineering college on November 3rd 2023

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STUDENT PARTICIPATION



Sudharshan, II year student, Department of Computer Science and Engineering has participated in **Symposium Events** of **SPECTRA'23** held at Alpha College of Engineering on 3rd November 2023.

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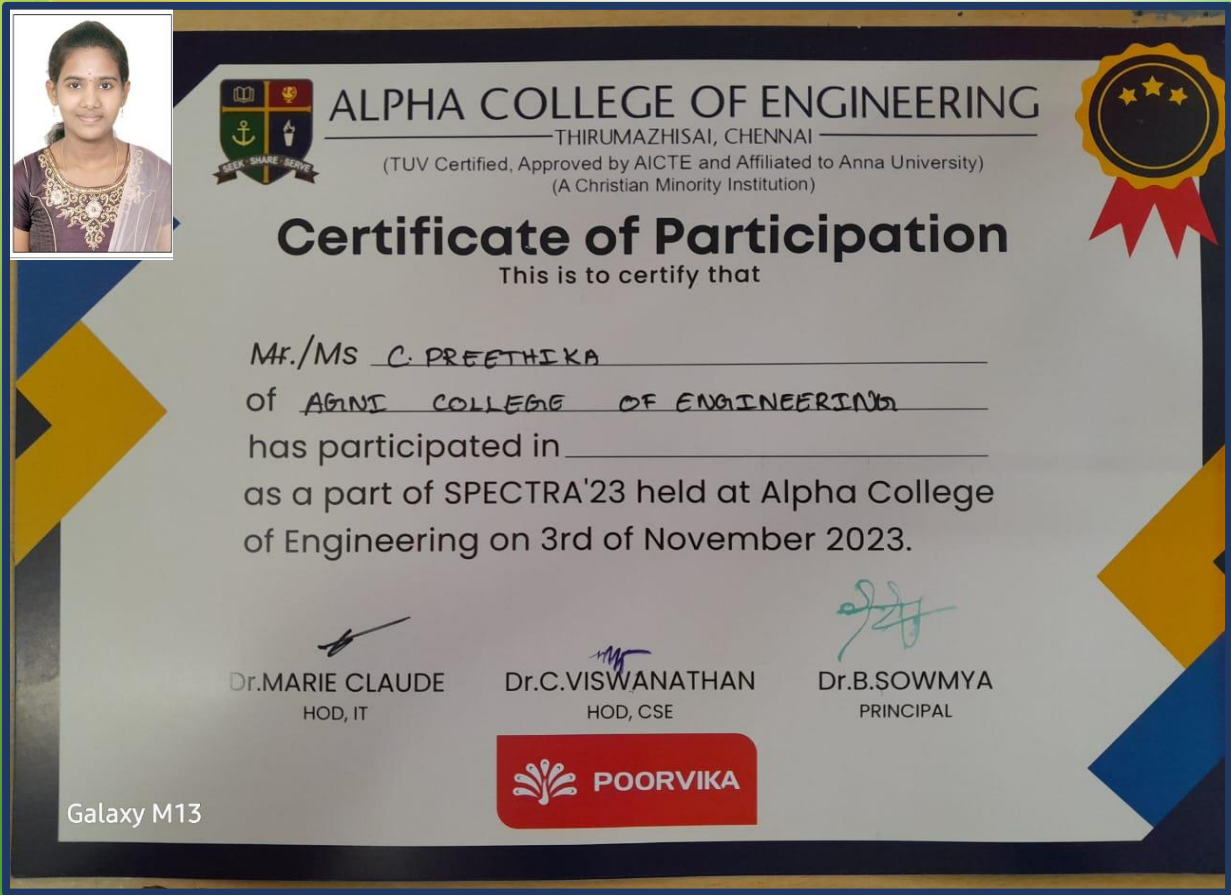


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STUDENT PARTICIPATION



Preethika C, II year student ,Department of Computer Science and Engineering has participated in **Symposium Events** of **SPECTRA'23** held at Alpha College of Engineering on 3rd November 2023.

STUDENT PARTICIPATION



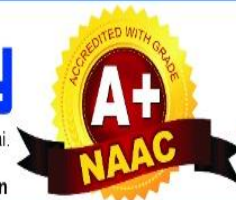
Abitha, II year student , Department of Computer Science and Engineering has completed an online certificate in **NumPy Tutorial** organized by Great Learning on October 2023.

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FACULTY PARTICIPATION



Ms. R. V. LAKSHMI PRIYA , Assistant Professor , Department of Information Technology has attended the “**Microsoft essential course orientation session**” conducted by Naan Mudhalvan on November 3rd 2023.

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FACULTY PARTICIPATION



Mr.K.Yokesvaran and Mr.C.Anand, Assistant Professors, Department Of Aerospace Engineering have participated online webinar on the **Synthesis And Characterization Of Nanomaterials** organised by Department Of Mechanical Engineering on Nov 3,2023.

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FACULTY PARTICIPATION



Mr. A. Surenderpaul and Mrs. M. Mathiyarasi, Assistant Professors, Department of Aerospace Engineering, have participated in an online webinar on the **Synthesis and Characterization of Nanomaterials** organised by the Department of Mechanical Engineering on November 3, 2023.

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FACULTY PARTICIPATION



Mr. S. Prasanth and Mr. T. Thandial Selvam, Assistant Professors, Department of Aerospace Engineering, have participated in an online webinar on the **Synthesis and Characterization of Nanomaterials** organised by the Department of Mechanical Engineering on November 3, 2023.

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STUDENT ACTIVITY



Dr. S. Swathi, Assistant Professor, Department of Science and Humanities (Physics) has conducted the student activity on the topic **centre of mass** for Section – B (BME), I year students on 25th October 2023.

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DEPARTMENT MEETING



Dr. Arul Kulandaivel, the Head addressed the faculty members at the S&H Faculty meeting on 03.11.2023 in the physics lab. The discussion covered various topics, starting with an appreciation note for the faculty members following a class committee meeting. Student feedback, both positive and constructive criticism, was acknowledged, and efforts were made to improve academics. Ensuring the completion of Anna University profiles without errors was stressed. The Tamil faculty members were encouraged to adhere to the syllabus and adapt teaching methods to meet students' expectations. The II semester results were published and remarkably achieved in the academics. High-grade rates among students also showed significant growth. The importance of timely syllabus completion for effective IAT-I conduction and motivation was emphasized. The Head insisted faculty members to cover the syllabus for IAT-I at the earliest and leave approval required an email and a leave slip. It was essential to submit class alteration details promptly to the principal and the head of the department.

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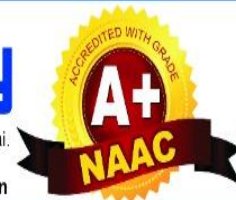


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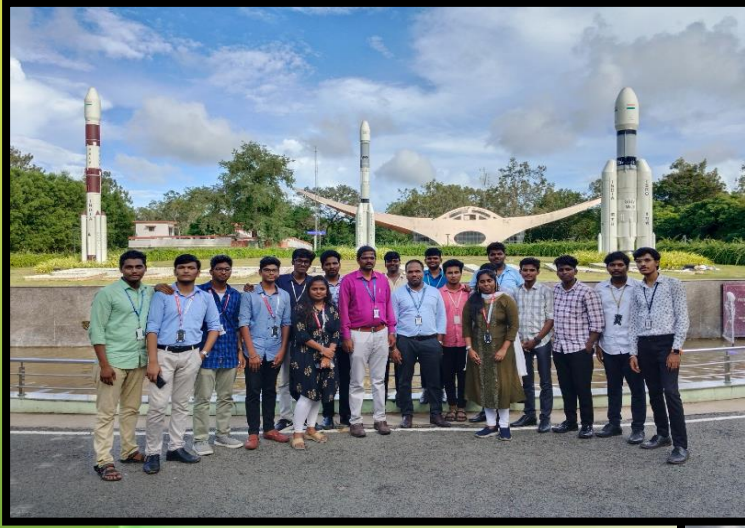
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INDUSTRIAL VISIT



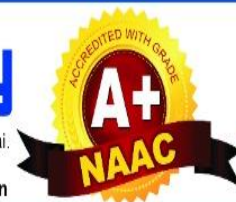
On 3rd Nov' 2023, ISHRAE coordinated a visit to ISRO-Shriharikota, for the members of third and final year Mechanical Engineering students through ISHRAE Student Chapter and accompanied by Dr.P.Purushothaman, HOD, and Mr. K. Saravanan/AP/Mech.

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STUDENT REPOSITORY



K. U. Kamalapriya (CSE), I year student, the Department of Science and Humanities, has depicted the drawing of Baby Foot Print.

STUDENT REPOSITORY



Lavanya.E ,II year student, Department of biomedical engineering, has expressed her creative talent by sketching ideas on public activities and nature.

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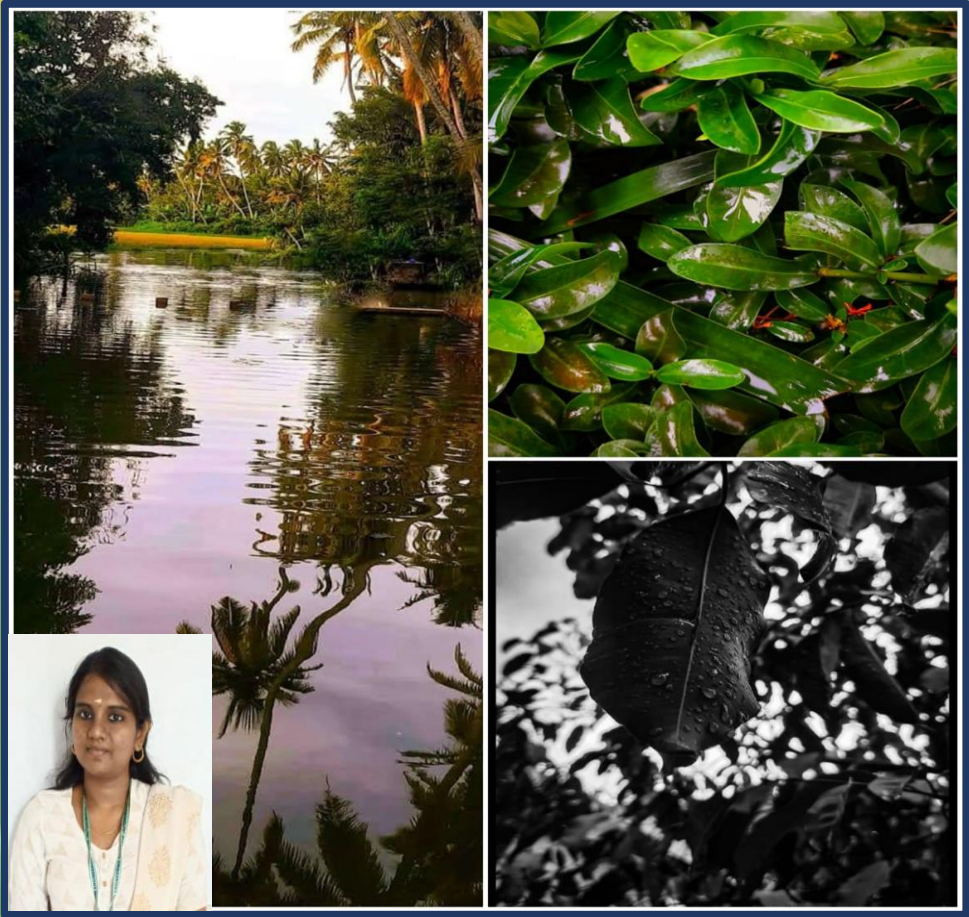


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FACULTY REPOSITORY



A faculty from the Department of biomedical engineering
Rashmi.B has captured “BEAUTY OF NATURE”

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