

*Happy
New Year!*

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**

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STUDENT GOVERNANCE COMMITTEE



To celebrate the arrival of the new year in 2024, SGC arranged a lively flash mob on December 29th, 2023, from 3:30 to 3:50 p.m. The performance featured I- and II-year students from our institution and was skillfully coordinated by Ms. Jerlin Ida, a III-year student from the IT Department and the Student Director of Cultural,SGC.

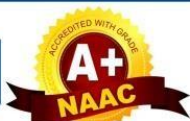
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IQAC SEMINAR

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DEPARTMENT OF AEROSPACE ENGINEERING
in collaboration with
Internal Quality Assurance Cell
organizes a
SEMINAR
on

Effective CO – PO Mapping & Attainment

Mapping
(CO-PO, CO-PSO)

Assessment
(Type of Question/Activity for Attainment)

Evaluation
(Did assessment yielded Learning in Students)
(Discrimination Index)

Attainment
(Did CO-PO, CO-PSO disseminated in students)

Resource Person
Dr. S. K. Narendranathan
Associate Professor & Head
Department of Aerospace Engineering

Coordinator
Mr. K. Yokesvaram
Asst.Prof/ASE

Dr. T. Anand
IQAC Coordinator

Dr. Srinivasan Alavandar
Principal

Date : 02/01/2024
Time : 8.30 am
Venue : Seminar hall



A seminar on “**Effective CO-PO Mapping and Attainment**” was organized by the **Internal Quality Assurance Cell (IQAC)** in association with the **Department of Aerospace Engineering** & took place at the seminar hall of ACT. The resource person for the seminar was **Dr. Narendranathan S.K.**, Associate Professor and Head, Aerospace, ACT. The faculty members from all departments participated in the seminar.

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FACULTY ACHIEVEMENT



Dear Participant,

We are delighted to announce that your abstract has been chosen for a poster presentation at the Young Scientist Conference (YSC) during IISF 2023. Heartiest congratulations for the same! The event will take place at DBT-THSTI Campus in Faridabad from January 17 to 20, 2024.

Your submission underwent a meticulous review by our panel of experts and was selected based on the quality and relevance of your work. Each abstract was screened for plagiarism, abstract length, novelty, innovation, translational value, and societal impact. We believe that your presentation and subsequent discussions will play a pivotal role in helping our event succeed.

While the detailed guidelines about the poster presentations will be shared subsequently, we encourage you to book your tickets for the event. Kindly note that only individual researchers or one selected presenter from each team are eligible to participate in the YSC. Upon the submission of train tickets booked exclusively through IRCTC, we will reimburse up to 3 AC to and fro train fares online after the event. Accommodation on a twin-sharing basis will be provided for 5 nights, with check-in on January 16 after noon and check-out on January 21 before noon. Please note that due to space limitations, we cannot accommodate additional individuals beyond the researchers shortlisted for presentation.

Best wishes,
Organising Team
YSC

Dr. Deepak Sampathkumar, Assistant Professor, Department of Mechanical and Automation Engineering, has submitted an abstract, which has been selected for a poster presentation at the Young Scientist Conference (YSC) during IISF 2023. The event will take place at the DBT-THSTI Campus in Faridabad from January 17 to 20, 2024, and is fully sponsored by the Government of India.

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FACULTY PUBLICATION



Dr. DEEPAK SAMPATHKUMAR

Failure Mode Effective Analysis of Suspension System for Heavy Load Vehicles

Authors M Mathanbabu, V Kondusamy, R Ramalingam, S Chitraselvi, M Murugan, M Anbarasu, **S Deepak**, K Murugan, B Guruprasad, CM Mohanraj

Publication date 2023/12/26

Journal International Journal of Vehicle Structures and Systems

Volume 15

Issue 5

Description A leaf spring is an important component of vehicles in terms of human comfort and safety as part of the suspension system. Because of the importance of suspension system in the utility and safety of a vehicle, it is important to develop a failure-free suspension design and assembly unit. Design Failure Mode Effective Analysis (DFMEA) techniques were utilised in this research to adopt preventive measures to reduce failure rates. It starts with deciding, categorising and researching every individual probable failure and grading it using numerical ratings. The four numerical grades are Severity, Occurrence, Detection and RPN (Risk Priority Number). These numerical ratings are used to identify the most likely failure of leaf springs. To overcome these failures, it is also necessary to analyse and assess the essential features of fatigue failure mode and fatigue life using Finite Element Analysis (FEA) techniques. Finally ...

Scholar articles Failure Mode Effective Analysis of Suspension System for Heavy Load Vehicles M Mathanbabu, V Kondusamy, R Ramalingam... - International Journal of Vehicle Structures and Systems, 2023

Dr. Deepak Sampathkumar, Assistant Professor, Department of Mechanical and Automation Engineering, has published a research article entitled **“Failure Mode Effective Analysis of Suspension System for Heavy Load Vehicles”**, International Journal of Vehicle Structures and Systems, Scimago Journal, published on December 26, 2023.

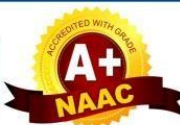
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FACULTY PARTICIPATION



TRAIN THE TRAINER PROGRAM
ON DIGITAL PRODUCTIVITY AND AI FLUENCY





This is to certify that
Lakshmi Priya R.V.
has successfully completed 20 hours of **Train the Trainer program on Digital Productivity and AI Fluency under the Faculty Development Programme** conducted by Naan Mudhalvan in partnership with Microsoft from 06-10-2023 to 14-10-2023.



naanmudhalvan.tp.gov.in/



MANAGING DIRECTOR,
TAMIL NADU SKILL DEVELOPMENT CORPORATION



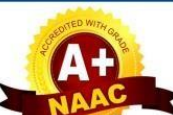
naanmudhalvan.azurewebsites.net/

Mrs. R.V. Lakshmi Priya, Assistant Professor, Department of Information Technology, has participated in the Faculty Development Program on “Digital Productivity and AI Fluency,” conducted by Naan Mudhalvan and Anna University on October 6 and 14, 2023.

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FACULTY PARTICIPATION



Dr.P. Murugan, Associate Professor and Head, Department of Chemical Engineering, has participated in a five-day faculty development program on the topic '**Sustainability in Process Engineering**' conducted by the Chemical Engineering Department of Dr. Vishwanath Karad at MIT World Peace University on December 23.

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FACULTY PARTICIPATION



Arunodhaya.N, Asst. Professor, Department of Chemical Engineering, has participated in a five-day faculty development program on the topic '**Sustainability in Process Engineering**' conducted by the Chemical Engineering Department of Dr. Vishwanath Karad at MIT World Peace University on December 23.

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STUDENT ACHIEVEMENT



Yokes B., III-Year Student, Department of Information Technology, has completed an online course in **“Foundation of Cybersecurity”** organized by Google on December 6, 2023.

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