IGNITE

Vol.01. issue.01 02.01.2024

IGNITE 2024

A DAILY NEWSLETTER

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Ms S Archana AP – EEE
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Happy New Year!

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

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

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

MIT-WPU

Certificate of Participation

This certificate is proudly awarded to

Dr. P. Murugan

for actively participating in the Five-Day Faculty Development Program on
'Sustainability in Process Engineering'
conducted by Dept of Chemical Engineering, Dr. Vishwanath Karad MIT World Peace University
from 18-22 December 2023

Dr. Anand Kulkarni	Dr. Pratiksha Khurpade	Dr. Pallavi Tatpate
Convener	Co-Convener	Co-Convener

Dr. Ratnadip Joshi	Dr. Dinesh Bhutada	Dr. Vikrant Gaikwad	Dr. Dinesh Seth
Program Coordinator Dept. of Chemical Engg.	Program Director Dept. of Chemical Engg.	Asso. Dean (Academics) School of Engg. & Tech	Dean School of Engg. & Tech

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

MIT-WPU

Certificate of Participation

This certificate is proudly awarded to

Arunodhaya N

for actively participating in the Five-Day Faculty Development Program on
'Sustainability in Process Engineering'
conducted by Dept of Chemical Engineering, Dr. Vishwanath Karad MIT World Peace University
from 18-22 December 2023

Dr. Anand Kulkarni	Dr. Pratiksha Khurpade	Dr. Pallavi Tatpate
Convener	Co-Convener	Co-Convener

Dr. Ratnadip Joshi	Dr. Dinesh Bhutada	Dr. Vikrant Gaikwad	Dr. Dinesh Seth
Program Coordinator Dept. of Chemical Engg.	Program Director Dept. of Chemical Engg.	Asso. Dean (Academics) School of Engg. & Tech	Dean School of Engg. & Tech

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

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