



IGNITE - 2022

A DAILY NEWSLETTER



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OFFICE OF THE EXAMINATION CELL







The Class In-charges of all the Departments had a meeting with Mr OHM SHANKAR SUBBIAH, Exam Cell Coordinator regarding the procedure to be followed for the upcoming Anna University theory examination.

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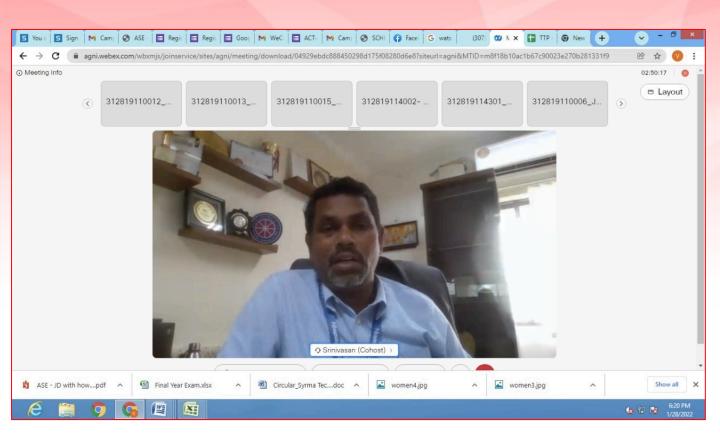








INTERACTION WITH THE STUDENTS



The Principal, Dr. Srinivasan Alavandar addressed the second and third students regarding the preparation for the Anna University online examination and he also insisted the inevitability of training pertaining to placement. The students interacted actively and enthusiastically with the new Principal.

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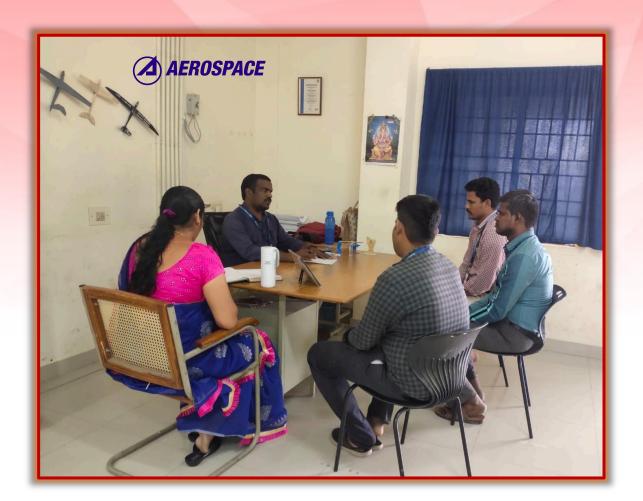
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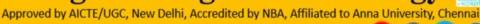
The Department of Aerospace Engineering conducted a meeting regarding action plan and budget preparation for upcoming semester. They discussed about the NAAC pre-preparation.

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OFFICE OF THE EXAMINATION CELL



ANNA UNIVERSITY :: CHENNAI 600 025
OFFICE OF THE CONTROLLER OF
EXAMINATIONS

Date: 27/01/2022

NOTIFICATION

Due to the Local Body Elections of TamilNadu to be held on 19th February 2022, the examinations scheduled for 19th February 2022 are rescheduled as follows:

Degree	Regulations	Date of Exam Originally Scheduled	Rescheduled Date of Exam
UG	R-2017	19.02.2022 F.N and A.N – Saturday	06.03.2022 F.N and A.N – Sunday
UG	R-2013/ R-2014 (B.E/B/Tech.Part Time)	19.02.2022 F.N and A.N – Saturday	05.03.2022 F.N and A.N - Saturday
UG	All other Regulations	19.02.2022 F.N and A.N – Saturday	11.03.2022 F.N and A.N – Friday
PG	R-2013,R-2015, R-2017	19.02.2022 F.N and A.N – Saturday	05.03.2022 F.N and A.N – Saturday
PG	All other Regulations	19.02.2022 F.N and A.N – Saturday	09.03.2022 F.N and A.N - Wednesday

Notification from the COE, Anna University regarding the reschedule of 19.2.2022 Examination on various dates mentioned above due to Local Body Election in Tamilnadu.

CONTROLLER OF EXAMINATIONS

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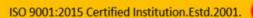
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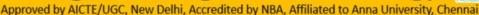
The staff meeting was conducted for the faculty members of Science and Humanities which was chaired by Dr. Sridhathan, Head in Physics Lab on 27th January 2022. The key note was about all the necessary preparations and work allocations of NAAC files. The staff members were informed about the NBA visit, Result analysis, CO-PO Mapping, attainment and Course file.

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ALUMNI INTERACTION



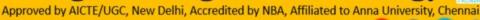
Dr. A. Kalaimurugan, Head, Dept. of EEE offered the Letter of Recommendation (LOR) to the Alumnus Mr. Prakash S to pursue his higher studies in abroad.

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The meeting was held for the faculty members of Computer Science and Engineering & Information Technology conducted by Dr. Meera, Head in the seminar hall on 27th January 2022. The discussion was based on the completion of NAAC & NBA work. Instructions were given by the HoD regarding budget file allocation, department improvement, finding supporting documents for IQAC and the maintenance of the laboratories.

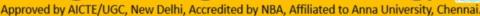
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INFORMATION TRANSFER



Dr. A. Kalaimurugan, Head, Dept. of EEE conducted the faculty meeting to convey the matters discussed in the Principal's meeting with the HoDs.

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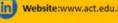














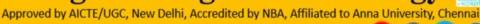
Dr J P Josh Kumar, Head, Electronics and Communication Engineering Department, conducted a meeting on 27.01.22 at VLSI LAB in order to analyze the status of the work completion of the NAAC files and provided insight on further progress.

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ALUMNI DISCUSSION



An ALUMNI Discussion session was conducted by Mrs. Maheswari, A.P, Department of ECE, on 28.01.22 with the Alumna Ms. Amirtha B about her career progress. She gave her insight and ideas on the future scope of Electronics & Communication during the session.

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INFORMATION TRANSFER



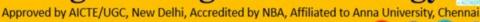
Dr. T. Anand, Head, Department of MAE held Faculty meeting to disseminate the points discussed in the HoDs' meeting on 28th January 2022.

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RESEARCH ARTICLE

ICRABE 2021 Journal of Physics: Conference Series

IOP Publishing 2027 (2021) 012005 doi:10.1088/1742-6596/2027/1/012005

Performance and evaluation of vegetable oil-based fluids as future cutting fluids in turning of duplex stainless steel

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Abstract: This experimental study article analyses the machinability of Duplex Stainless Steel when turned using various wet coolants, including as (Coconut, Mustard, Soyabean oil). Cutting speed, feed, depth of cut, nozzle inclination angle, pressure, and standoff distance are all input process factors. The output response parameters were considered such as thrust force, machining zone temperature, tool wear and surface roughness. In this experimental study, Taguchi technique was used to design the experimental runs under three different level combination of process parameters. The experimental result indicates that the turning performance has been improved at occonut oil condition over the other coolant conditions and it produces the uniform surface finish throughout the length of the workpiece.

1. Introduction

1. Introduction
Metal cutting fluids (MCFs) are classified into different types such as straight oil, synthetic oil, semi-synthetic oil, soluble oil and vegetable based cutting oils. Synthetic and Petroleum based coolants are pollutes the environment and several negative effects to the operators. The machine operators work continuously at the same environment on longer period of time causes the severe health issues such as cancer, breathing issues, skin allergies, eye burning etc [1]. Due to the better physical and chemical properties of vegetable oil is the perfect alternative for synthetic and petroleum-based products. Modified vegetable oils are providing superior boundary and hydrodynamic lubrication on the contact surface it reduces the coefficient of friction and improves pitting resistance. Because of these excellent properties of vegetable oil increases the machinability characteristics in terms of lowers the cutting force, cutting tool contact temperature, surface roughness and tool wear [2]. The generation of high

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Dr. Arul. K, ASP, Department of Mechanical Engineering has published a research article on Performance and **Evaluation of Vegetable Oil Based Fluids as Future Cutting Fluids in Turning of Duplex Stainless Steel** in the Journal of Physics- IOP publications.

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