

IGNITE 2022



A DAILY NEWSLETTER

Editor in Chief

Dr. Srinivasan Alavandar
Principal, ACT

Editors

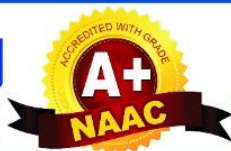
Ms. Mary Surya Kala, ASP - S&H
Ms. P. Nivedha, AP - S&H
Mokeshwar. P, Student - AI&DS

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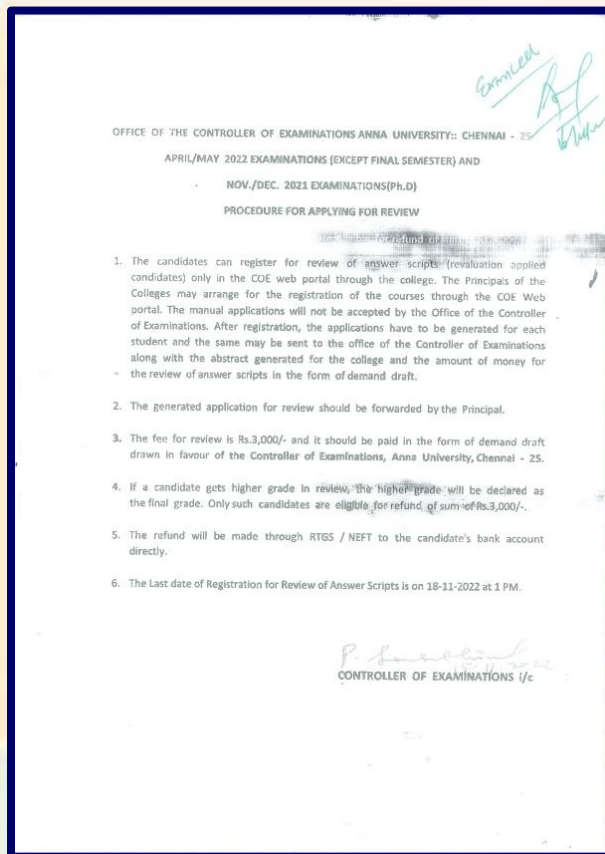
3D PRINTING TRAINING



Mr. Purushothaman P, AP and Trainer for the 3D Printing Course completed all the four phases (Theory, Modelling, Slicing and Printing) of the module on 14th November 2022. The students were given opportunity to print their own design using the 3D printing machine. Mr. Kevin Asir Samraj S J (AI&DS) and Mr. Deepakraj J (BME) designed and printed a humanoid robot and a human heart. The first fruits of the training looked impressive.

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OFFICE OF EXAM CELL



The College has received the Circular from COE, Anna University, Chennai for applying the Review of the answer scripts for the II, III and IV year students.

OFFICE OF EXAM CELL

Agni College of Technology Office of Exam Cell Odd Semester (AY 2022-2023) - UG (Senior VY) - Model Examination

Time: 12:40 PM To 03:40 PM	10A-CVL	10A-CSE	10A-EEE	10A-ECN	10A-AIE	10A-MEC	10A-MET	10A-NAE	10A-BME	10A-CNE	10A-IT
26-Nov-22	Monday	20A011: Discrete Mathematics	20A012: Data Structure	20A013: Digital Electronics	20A014: Power Electronics	20A015: Thermal Engineering	20A016: Fluid Mechanics	20A017: Machine Design	20A018: Heat Transfer	20A019: Chemical Process Industries	20A020: Software Technology
26-Nov-22	Tuesday	20A021: Environment and Agriculture	20A022: Algebra and Probability	20A023: Discrete Mathematics	20A024: Power Electronics	20A025: Thermal Engineering	20A026: Fluid Mechanics	20A027: Machine Design	20A028: Heat Transfer	20A029: Chemical Process Industries	20A030: Software Technology
26-Nov-22	Wednesday	20A031: Water Supply Engineering	20A032: Theory of Probability	20A033: Digital Signal Processing	20A034: Power System Analysis	20A035: Thermal Engineering	20A036: Fluid Mechanics	20A037: Machine Design	20A038: Heat Transfer	20A039: Chemical Process Industries	20A040: Software Technology
1-Dec-22	Thursday	20A041: Structural Analysis - I	20A042: Computer Networks	20A043: Control Systems	20A044: Power System Analysis	20A045: Thermal Engineering	20A046: Fluid Mechanics	20A047: Machine Design	20A048: Heat Transfer	20A049: Chemical Process Industries	20A050: Software Technology
1-Dec-22	Friday	20A051: Fundamentals of Engineering	20A052: Discrete Mathematics	20A053: Digital Signal Processing	20A054: Power System Analysis	20A055: Thermal Engineering	20A056: Fluid Mechanics	20A057: Machine Design	20A058: Heat Transfer	20A059: Chemical Process Industries	20A060: Software Technology
1-Dec-22	Saturday	20A061: Design of Structural Elements	20A062: Discrete Mathematics	20A063: Digital Signal Processing	20A064: Power System Analysis	20A065: Thermal Engineering	20A066: Fluid Mechanics	20A067: Machine Design	20A068: Heat Transfer	20A069: Chemical Process Industries	20A070: Software Technology

Office of Exam Cell



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Office of Exam Cell

Circular

Model Examination for III and IV Year

- ✦ The **Model Examination** for the students of UG III & IV-year B.E / B. Tech will be commencing from **28-11-2022 to 03-12-2022** (Time 12:30 PM to 12:40 PM- Students assemble in Exam Hall).

(Time 12:40 PM to 03:40 PM- Examination Timing).

The question paper format is attached in the mail. Kindly adhere with the format while preparing the question paper. The Department ExamCell Coordinators are requested to ensure the format of the question paper before collecting from the corresponding course teacher.

- ✦ The Examcell coordinators of all the departments have to collect the question paper through soft copy PDF Format and it should be uploaded in the drive shared by exam cell with fail on or before **22-11-2022**.
- ✦ The portion for Model is Unit -1 to 5
- ✦ Mark Split UP for Model Exam (As Per Regulation)

Type -1

PART - A (10 x 2 = 20 Marks)

PART - B (5x 13= 65Marks)

PART -C (1x 15= 15Marks)

Total =100 Marks (As per Anna university)

Type -2

PART - A (10 x 2 = 20 Marks)

PART - B (5x 16= 80 Marks)

Total =100 Marks (As per Anna university)

Office of Exam Cell

Principal

Model Examination Timetable and circular for III and IV year students for the Odd Semester, Academic Year 2022-2023.

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STUDENT ACHIEVEMENT

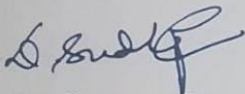
 **Jerusalem College of Engineering**
[An Autonomous Institution]
Pallikaranai, Chennai-100

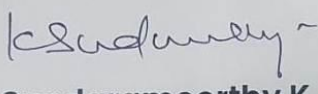
  

 **Department of Information Technology** 

THIS IS TO CERTIFY THAT

Mr/Ms. SRI RAKSHAGA S.R from IIIrd ECE (JCE College of Science & Technology)
is the runner of the event Guess What in wisteria
2k22. A National Level Technical Symposium conducted by Department Of
Information Technology held on November 05,2022


Mr.Sudhagar.D
AIT-coordinator


Dr.Sundaramoorthy.K
HOD-IT

 
Dr.Ramesh.S
Principal

Sri Rakshaga S R, III year student, Department of Electronics and Communication Engineering has won a cash award of Rs.500 and the runner up in the non-technical event **Guess What** in the symposium held at Jerusalem College of Engineering, Chennai on 5th November 2022.

STUDENT ACHIEVEMENT

V. Sanjay, II year student, Department of Computer Science and Engineering has completed the online course on **The AWS Course** offered by Tutorials Point on 26th September 2022.

STUDENT ACHIEVEMENT



CERTIFICATE OF COMPLETION

Presented to

Uma Maheswari RameshFor successfully completing a free online course
Cyber Security For LeadershipProvided by
Great Learning Academy
(On November 2022)To verify this certificate visit verify.mygreatlearning.com/CNTUABDW

Umamaheswari R, III year student, Department of Electrical and Electronics Engineering has completed the online course on **Cyber Security for Leadership** offered by Great Learning Academy on 15th November 2022.

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STUDENT ACHIEVEMENT



CERTIFICATE OF COMPLETION

Presented to

Uma Maheswari Ramesh

For successfully completing a free online course
Encryption

Provided by

Great Learning Academy

(On November 2022)

To verify this certificate visit verify.mygreatelearning.com/UCKIPBR

Umamaheswari R, III year student, Department of Electrical and Electronics Engineering have completed the online course on **Encryption** offered by Great Learning Academy on 15th November 2022.

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FACULTY PUBLICATION

JOURNAL OF THE CHINESE INSTITUTE OF ENGINEERS
https://doi.org/10.1080/02533839.2022.2141338

 Taylor & Francis
Taylor & Francis Group



Role of traversing speed and axial load on the properties of friction stir welded dissimilar AA6101-T6 AND AA1350 aluminium alloys

Ashok Kumar R^a, R. Pandiyarajan^b, Raghav G. R.^c, K. J. Nagarajan^d, Sathish Rengarajan^e, Satheesh Pandian D^a and K. Sudhakar^f

^aDepartment of Mechanical Engineering, K.L.N. College of Engineering, Sivagangai, India; ^bDepartment of Mechatronics Engineering, Agni College of Technology, Thalambur, India; ^cDepartment of Mechanical Engineering, SCMS School of Engineering and Technology, Cochin, India; ^dDepartment of Mechatronics Engineering, Thiagarajar College of Engineering, Madurai, India; ^eDepartment of Mechanical Engineering, St. Joseph's College of Engineering, Chennai, India; ^fFaculty of Mechanical and Automotive Engineering Technology, Universiti Malaysia Pahang, Malaysia

ABSTRACT
Traditionally, AA6101-T6 and AA1350 aluminum alloys find prominent place in many industrial applications like electrical bus bar utilities for the sake of better conductivity. Friction Stir Welding is a non-traditional solid-state welding technique that was invented and developed by The Welding Institute. In this analysis, AA6101-T6 and AA1350 alloys have been put on experimentation with friction stir welding by varying axial load (5 kN to 9 kN) and traversing speed (60 mm/min to 120 mm/min). In order to examine the weld quality, properties such as tensile, wear and microstructural analyses have been carried out. From the results, it was observed that the weldment made with 7 kN axial load and 90 mm/min

ARTICLE HISTORY
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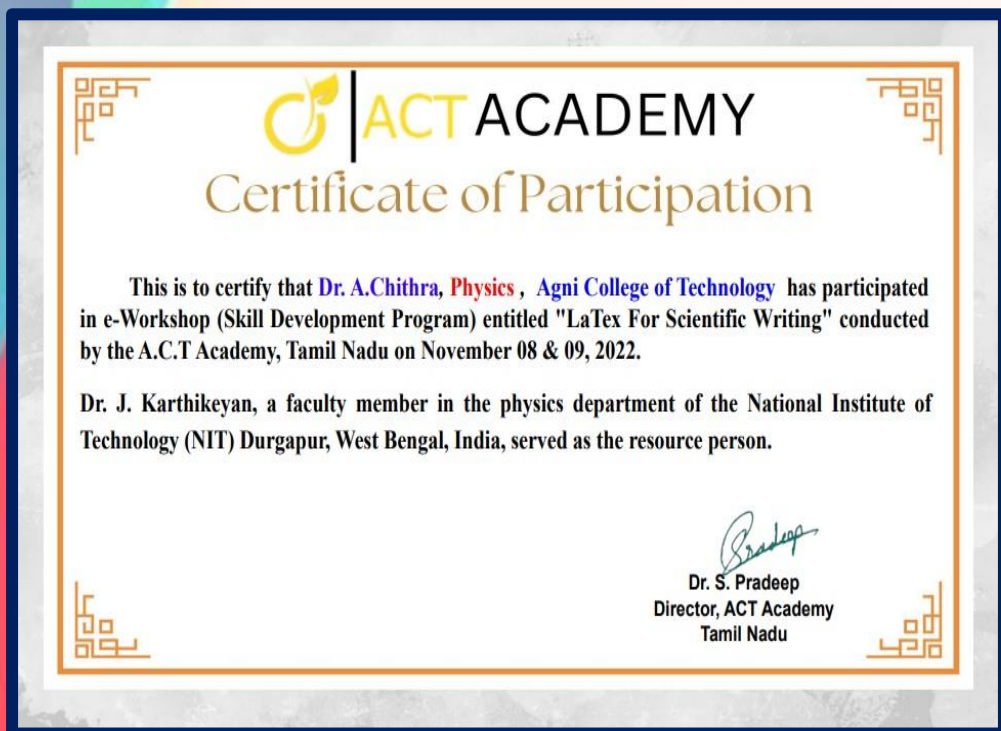
CO EDITOR-IN-CHIEF
Hsiau; Shu-San

ASSOCIATE EDITOR
Jeng; Yeau-Ruey



Dr. R. Pandiyarajan, Head, Department of Mechatronics Engineering has published a paper entitled **Role Of Traversing Speed and Axial Load on the Properties of Friction Stir Welded Dissimilar AA6101-T6 and Aa1350 aluminium Alloys** in the journal of Chinese institute of Engineers, Taylor & Francis.

FACULTY PARTICIPATION



Dr. A. Chithra, Assistant Professor, Department of Science and Humanities (Physics) has participated in a two day **e-workshop (Skill Development Program)** entitled **LaTeX for Scientific Writing** on 8th & 9th November 2022 by the resource person from NIT Durgapur.

FACULTY PARTICIPATION



Dr. P. Murugan, Dr. Shyamsunder Mishra, Mrs. C. D. Karthika & Mr. K. Vikram, APs, Department of Chemical Engineering have participated in a five day FDP on **Recent Advances in Chemical Engineering-2022** organized by Rajalakshmi Engineering College, Chennai from 8th to 12th November 2022.

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FACULTY PARTICIPATION



Mrs. T. Kalaithangam, Mr. N. Arunodhaya and Mrs. Swathi Chenna, APs, Department of Chemical Engineering have participated in a five day FDP on **Recent Advances in Chemical Engineering-2022** organized by Rajalakshmi Engineering College, Chennai from 8th to 12th November 2022.

DEPARTMENT MEETING



Dr. A. Kalaimurugan, Professor and Head, Department of Electrical and Electronics Engineering has conducted the meeting with the faculty members regarding the syllabus coverage and strategies to be followed during the coaching class to improve the results in the university examination.

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STUDENT REPOSITORY



S. Karunamoorthy, II year student, Department of Computer Science and Engineering has portrayed a picture of **Lord Krishna** on 15th November 2022.

STUDENT REPOSITORY



S. Sneha Shree, II year student, Department of AI&DS has portrayed a picture of **Lord Buddha** on 14th November 2022.