# IGNITE 2023



### A DAILY NEWSLETTER

**Editor in Chief** 

Dr. Srinivasan Alavandar Principal, ACT

**Editors** 

Ms. N Dhivya, AP - S&H Ms. S Archana, AP - EEE T. Arunkumar, Student - AI&DS

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# TRAINING AND SKILL DEVELOPMENT









About **240 students in the II year** started their **NSDC Short- Term Training**, "**Drone Manufacturing and Assembly Technician**," in November 2023. On November 24, 2023, these students will attend a training session in the seminar hall. The principal, **Dr. Srinivasan Alavandar**, delivered a key note address on the topic. The training session was handled by **Dr. Balaji Madhavan**, Head, Training and Skill Development, coordinated the session.



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#### TRAINING AND SKILL DEVELOPMENT







THREE-DAY TRAIN THE **TRAINER** programme commenced for FIVE NSDC trainers in the Garuda Aerospace Manufacturing Unit on November 25, 2023. Training on drone assembly, calibrations, and flight **testing** is offered to these trainers by the engineers from Garuda Aerospace.

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#### FACULTY ACHIEVEMENT

International Journal on Recent and Innovation Teends in Computing and Communicat ISSN: 2121-0169 Volume: 11 Issue: 10 Article Resolved: 10 Sugar; 2023 Bedand: 25 Supumber 2023 Acceptal; 20 Geoder 2023

#### Cloud Storage Level Service Offering in Virtualized Load Balancer using AWS

sanaprakash T.A., <sup>1</sup>S.Prova Jaylath Shalom , <sup>2</sup>Anaarhi S.N. <sup>4</sup>B. Dhannakkaravarthi, <sup>8</sup>Rajasekaran A.

\*Anoccist Professor , Dayantsean of Computer Science and Engineering,
Pasintalat Engineering College, <sup>2</sup>Chonax, Tarid Nada, Judia.

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In cloud computing, load halancing refers to the destribution of observing requirements across endingly application interest properties in the cloud background Cloud load balancing, added by various types of food trablacters, significantly adhancing options of processing the processing of the cloud background Cloud load balancing, added by various types of food trablacters, significantly adhancing options performance and relativity [1]. The advantages of deposing reservoir from the partial record efficiently [2]. Herewore, readmand load balancing of sincera recording the reservoir of the record and the record of the reservoir of the record dissertion performance and relativity (2). Herewore, readmand load balancing of sincera recording to the structure more collaborate to ment their owner, readmand load balancing of sincera. Achieving amproved excitones and high relativity typically demands of the reservoir o

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Dr. B. Dhanasakkaravarthi has published a paper titled "Cloud Storage Level Service Offering in Virtualized Load Balancer Using AWS" in the International Journal on and Innovation Trends Recent in Computing Communication.

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#### **FACULTY ACHIEVEMENT**

Polym. Korea, Vol. 47, No. 6, pp. 703-710 (2023) https://doi.org/10.7317/pk.2023.47.6.703 ISSN 0379-153X(Print) ISSN 2234-8077(Online)

#### 나일론 6 – 실리콘카바이드 – 마이카 폴리머 매트릭스 복합재료의 기계적 거동 조사

Thangavel Anand<sup>10</sup>

Agni College of Technology (2023년 5월 2일 접수, 2023년 8월 4일 수정, 2023년 9월 22일 채택)



Investigation of the Mechanical Behaviour of Nylon 6-Silicon Carbide (SiC)
- Mica Polymer Matrix Composites

Thangavel Anand 100

Agni College of Technology, OMR, Thalambur, Chennai - 600130, India (Received May 2, 2023; Revised August 4, 2023; Accepted September 22, 2023)

Abstract: The interest in nylon composites is growing as a result of their high strength, high toughness, and low coefficient of friction. For a while, researchers have used a variety of fillers to improve the mechanical and tribological characteristics of nylons. Despite extensive research, the current study is being carried out to explore the various mechanical behaviors of a nylon 6 hybrid polymer matrix composite due to its strength, stiffness, and lightness. In this work, silicon carbide and mica were used as fillers, and nylon 6 was used as the matrix. Mica was taken at 2.5, 5, and 7.5 wt%, and silicon carbide was taken at 2 wt%. After the ingredients were combined in a twin screw extruder, the samples were made using an injection moulding procedure. According to ASTM D256, D790, and D638, the specimens for the impact, flexural, and tensile tests were prepared. Tests and analyses were done on the impact, flexural, and tensile strengths. In tensile and flexural testing, the strength of the nylon 6 composite with 2 wt% silicon and 7.5 wt% mica was higher than that of pure nylon 6 by 19.48% and 17.65%, respectively. The reduction in the impact strength was 24.7%. The composites'

Dr. T. Anand, Professor and Head, Department of Mechanical and Automation Engineering, has published a research article entitled "Investigation of the mechanical behaviour of nylon 6 silicon carbide (SiC)-mica polymer matrix composites" in Polymer Korea, Polymer Society of Korea, Scimago Journal, in the Web of Science Journal SCI),, published on November 23, 2023.

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#### Elite

### NPTEL Online Certification



(Funded by the MoE, Govt. of India)

This certificate is awarded to

SRINIVASAN T

for successfully completing the course

**Energy Conservation and Waste Heat Recovery** 

with a consolidated score of 63 9

Online Assignments | 20.47/25 | Proctored Exam | 42.24/75

(12 week course)

Total number of candidates certified in this course: 206

Jul-Oct 2023 Prof





Indian Institute of Technology Kharagpur



Roll No: NPTEL23ME122S533510625

To verify the certificate

No. of credits recommended:

Mr. T. Srinivasan, Assistant Professor, Department of Mechatronics Engineering, has been awarded an **Elite Certificate** for successfully completing the **NPTEL** online course on **Energy Conservation and Waste Heat Recovery** in the examination conducted in the month of October 2023.

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#### **FACULTY PARTICIPATION**



Mr. K. Saravanan, Assistant Professor, Department of Mechanical Engineering, has attended the special event on "Additive Manufacturing - AM Experience: A Wipro Event" organized by Wipro 3D.



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#### **FACULTY PARTICIPATION**



Dr. K. Ragupathy, Assistant Professor, Department of Mechanical and Automation Engineering, has attended the special event on "Additive Manufacturing - The AM Experience: A Wipro Event" organized by Wipro 3D.

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Mrs. G. Umadevi, Assistant Professor, Department of Computer Science and Engineering has participated in project contest- software presentation on the title **"FOOD CONNECT"** at "Innovator's Day 2023 held at Anand Institute of Higher Technology.

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International Conference on Sustainable Communication Networks and Application ICSCNA 2023



Organized by: Bharath Niketan Engineering College Theni, Tamil Nadu, India

#### Certificate of Presentation

This is to certify that

B Dhanasakkaravarthi

has presented a paper entitled

Empowering Solar Energy with Advanced IoT-based Forecasting: A Hybrid Deep Learning Model for Enhanced Efficiency with Big Data

in the three-day International Conference on Sustainable Communication Networks and Application held during 15-17, November 2023



Session Chair



Conference Chair Dr. K. Pounraj



Principal Dr. P. V. Arul Kumar

**Dr. B. Dhanasakkaravarthi** has presented a **paper** titled "Empowering Solar Energy with Advanced IoT based Forecasting: A Hybrid Deep Learning Approach" at the **International Conference** (ICSCNA) at Bharath Niketan Engineering College, Theni.

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### Certificate of Presentation

This is to certify that

B Dhanasakkaravarthi

has presented a paper titled

A Comprehensive Study of AI-Powered Writing Assistance Tools and Content Spinning Applications

at the 7th International Conference on Electronics, Communication and Aerospace Technology (ICECA 2023) held from 22 to 24 November 2023 at RVS Technical Campus Coimbatore, Tamil Nadu, India.

V. B. Chair

Dr. S D Prabu Ragavendiran Conference Chair Dr. S. Vijayan
Principal

**Dr. B. Dhanasakkaravarthi** has presented a **paper** titled "A Comprehensive Study of AI Powered Writing Assistance Tools and Content Spinning Applications" at the 7th **International Conference** (ICECA 2023) at RVS Technical Campus, Coimbatore.

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Mr. K. Balaji Sundharam, Assistant Professor, Department of Science and Humanities (English), has attended the faculty development program Listening **Upgrade** on organized by Naan Mudhalvan at Madras Institute of Technology, Chrompet.

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**Mr. M. Sanjay, a** final-year student from the Department of Mechanical Engineering, participated and was awarded the **second prize** in **SAI AUTO '23-AUTONETICS 2.0** at Sai Ram Engineering College on November 23.

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### NPTEL Online Certification



(Funded by the MoE, Govt. of India)

This certificate is awarded to MOHAMED BAHAUDEEN

for successfully completing the course

Medical Image Analysis

with a consolidated score of

Online Assignments | 20.41/25

Proctored Exam

34.5/75

Total number of candidates certified in this course: 315



Prof. Devendra Jalihal Chairperson, Centre for Outreach and Digital Education, IITM Jul-Oct 2023

(12 week course)





Indian Institute of Technology Madras

Roll No: NPTEL23BT40S533503065

To verify the certificate



No. of credits recommended: 3 or 4

Mohamed Bahaudeen, III-year student, Department of Biomedical Engineering has successfully completed NPTEL Certification: 12-week "Medical **Image** course on **Analysis"** with an aggregate score of 55%

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Certificate Number: ISO3D1608

### LEARN DELTA

Certificate of Completion

THIS IS TO CERTIFY THAT



has successfully completed



and scored an 'A' Grade in the prescribed final examination conducted by Institute on 18th November 2023



DIRECTOR SIGN



Deepan,II Year, Department of Aerospace Engineering, has successfully completed **AutoCAD** (**Isometric vs. 3D Drawings**) and scored an 'A' grade in the prescribed final examination conducted by Learn Delta on November 18, 2023.

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# Certificate of Completion This is to certify that Sunitha K D



Python 3.x - Programming Course (Hands-On)

Verification URL:

www.skillrack.com/cert/481453/DKV



Sunitha K. D., II Year Student, Department of Information Technology, has completed an online certification course on **Python 3.x - Programming Course** organized by **Skill Rack** in the month of November 2023.

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### CERTIFICATE

OF COMPLETION

this certificate is proudly presented to:

#### Santhosh J

For completing the 1-Day Al Tools Workshop conducted on 18th November 2023





ADITYA GOENKA CO-FOUNDER

Santhosh J. (IT), a first-year student in the Department of Science and Humanities, has received the certificate of completion for the workshop on **AI Tools** conducted by be10X in the month of November 2023.

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### CERTIFICATE

OF COMPLETION

this certificate is proudly presented to:

#### Suryaprassanna J.M

For completing the 1-Day **AI Tools** Workshop conducted on **18th November 2023** 





ADITYA GOENKA CO-FOUNDER

Suryaprasanna J. M. (IT), a first-year student in the Department of Science and Humanities, has received the certificate of completion for the workshop on **AI tools** conducted by be10X in the month of November 2023.

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### CERTIFICATE

OF COMPLETION

this certificate is proudly presented to:

#### **VIJAY THARRSHAN**

For completing the 1-Day Al Tools Workshop conducted on 18th November 2023





ADITYA GOENKA CO-FOUNDER

Vijay Tharshan (IT), a first-year student in the Department of Science and Humanities, has received the certificate of completion for the workshop on AI Tools conducted by be 10X in the month of November 2023.

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### CERTIFICATE

OF COMPLETION

this certificate is proudly presented to:

#### Sithick Sahil Ahamed Z

For completing the 1-Day AI Tools Workshop conducted on 18th November 2023





CO-FOUNDER

Sithick Sahil Ahamed (IT), a first-year student in the Department of Science and Humanities, has received the certificate of completion for the workshop on **AI tools** conducted by be10X in the month of November 2023.

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#### CERTIFICATE OF COMPLETION

Presented to

#### Daseetha Ravi

For successfully completing a free online course ChatGPT for Coders

Provided by

Great Learning Academy

(On November 2023)



Daseetha Ravi, II Year BTech., Department of Artificial Intelligence and Data Science, has completed an online certificate course in "ChatGPT for Coders" organized by Great Learning Academy in November 2023.

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#### CERTIFICATE OF COMPLETION

Presented to

#### Lekha.A

For successfully completing a free online course

Data Science Foundations

Provided by
Great Learning Academy



To verify this certificate visit verify mygreatlearning.com/TZSRIB(

**Lekha A, an** II-year student in the Department of Information Technology, has completed an online certification course on **data science foundations** organized by **Great Learning** in November 2023.

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### CERTIFICATE OF COMPLETION

Presented to

#### V.KOTHANTAPANI



For successfully completing a free online course Software Testing Tutorial

Provided by

Great Learning Academy

(On November 2023)

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

Kothandapani, an II-year student of the Department of Electrical and Electronics Engineering, has completed an online certificate course in "Software Testing Tutorial" organized by Great Learning on October 24, 2023.

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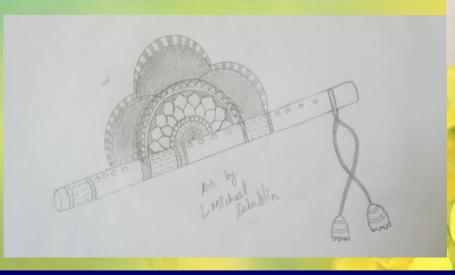
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#### **STUDENT REPOSITORY**







Micheal Sebastin, II Year BTech., Department of Artificial Intelligence and Data Science, has skillfully depicted a drawing of a **swan & flute**. This artwork demonstrates his sense of creativity.

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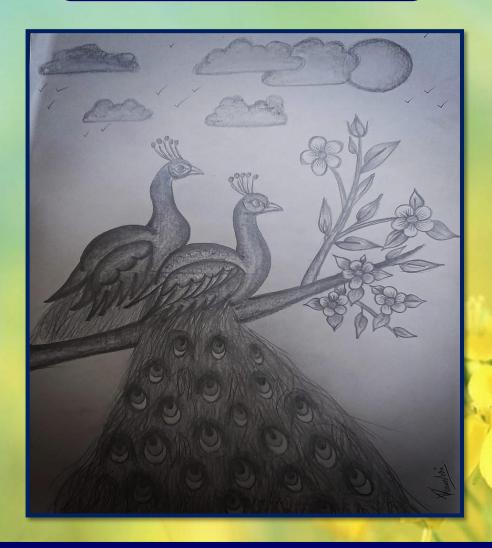
A+







#### **STUDENT REPOSITORY**



Tanushree V, a first-year IT student in the Department of Science and Humanities, has drawn a peacock. The artwork represents "If you want to know true love, you should study birds."

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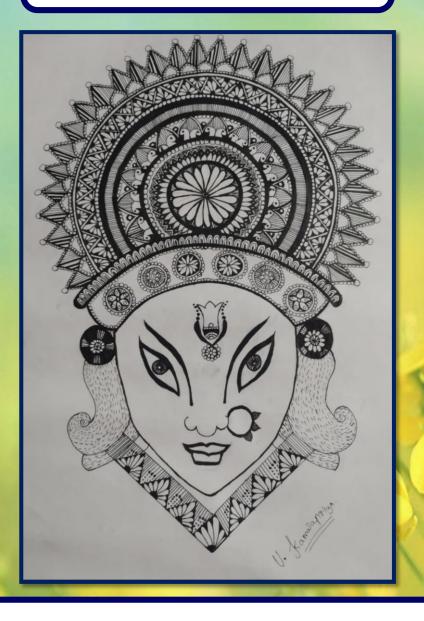






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#### **STUDENT REPOSITORY**



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

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#### **STUDENT REPOSITORY**





R. Sandhiya, II, Department of Electrical and Electronics Engineering, had done a stunning pencil rendering to her friend as a thoughtful surprise gift on her birthday.

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