

IGNITE 2023



A DAILY NEWSLETTER

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Principal, ACT**

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TRAINING AND SKILL DEVELOPMENT

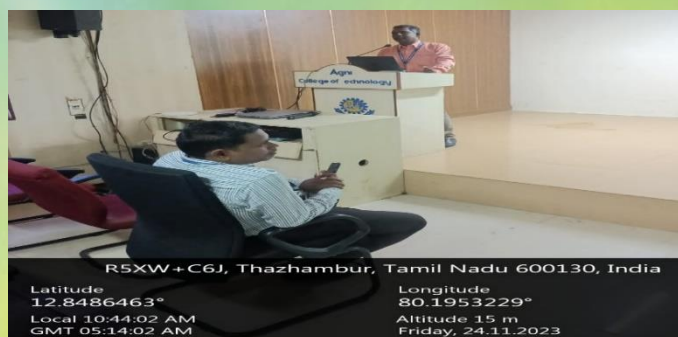
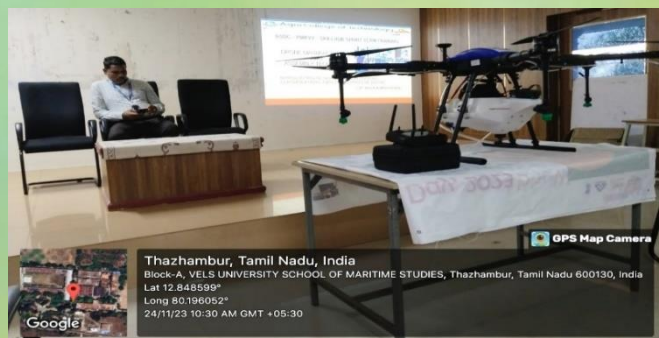
Agni College of Technology
(An AUTONOMOUS Institution)

NSDC – PMKVY – SKILLHUB SHORT TERM TRAINING

DRONE MANUFACTURING AND ASSEMBLY TECHNICIAN

INTRODUCTION TO UAV, DRONE APPLICATIONS, CLASSIFICATIONS, FUNCTIONAL PARTS OF DRONE

- DR. BALAJI MADHAVAN



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



A 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



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

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FACULTY ACHIEVEMENT

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ISSN 2234-8077(Online)

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

Thangavel Anand[†]

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[†]

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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FACULTY ACHIEVEMENT



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** %

Online Assignments	20.47/25	Proctored Exam	42.24/75
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Total number of candidates certified in this course: **206**

Jul-Oct 2023
(12 week course)

H. Banerji

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23ME122S533510625

To verify the certificate



No. of credits recommended: 3

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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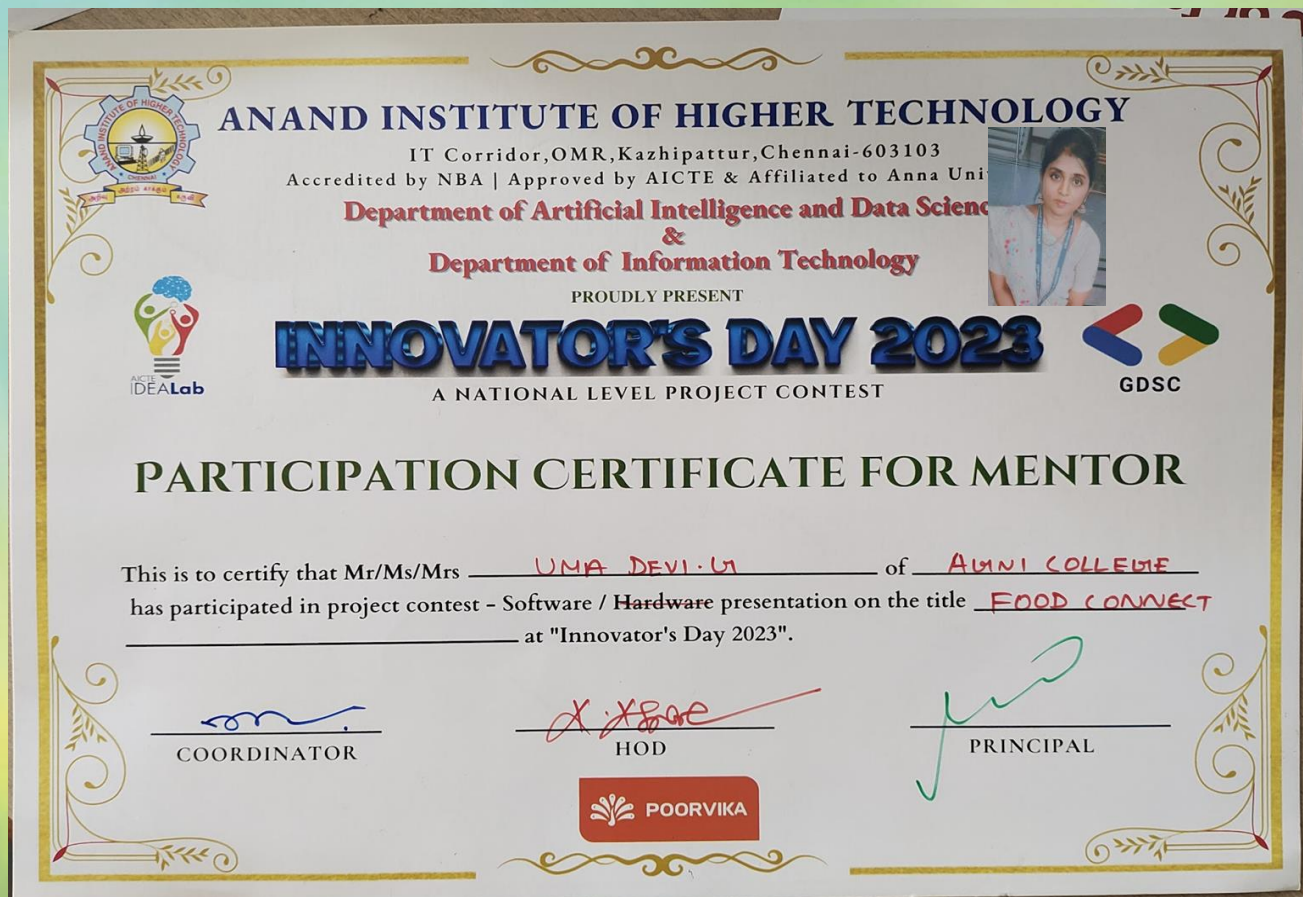
FACULTY PARTICIPATION



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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FACULTY PARTICIPATION



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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FACULTY PARTICIPATION



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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FACULTY PARTICIPATION



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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FACULTY PARTICIPATION



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

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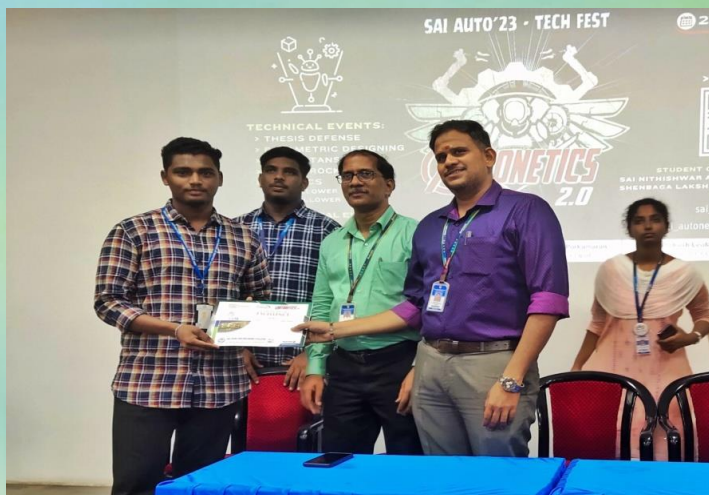
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STUDENT ACHIEVEMENT



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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STUDENT ACHIEVEMENT



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 **55** %

Online Assignments	20.41/25	Proctored Exam	34.5/75
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Total number of candidates certified in this course: **315**

Devendra Jalihal

Prof. Devendra Jalihal
Chairperson,
Centre for Outreach and Digital Education, IITM

Jul-Oct 2023
(12 week course)

Prof. Andrew Thangaraj

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras



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 course on “**Medical Image Analysis**” with an aggregate score of 55%

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STUDENT ACHIEVEMENT

Certificate Number: ISO3D1608

LEARN DELTA

Certificate of Completion

THIS IS TO CERTIFY THAT

Deepan

has successfully completed

AutoCAD (Isometric Vs 3D drawing)and scored an 'A' Grade in the prescribed final examination conducted by Institute on 18th November 2023*Anjaneya Pali*

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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STUDENT ACHIEVEMENT



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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STUDENT ACHIEVEMENT

AWARDED BY

be10X

CERTIFICATE

OF COMPLETION

this certificate is proudly presented to:

Santhosh J

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



ADITYA KACHAVE
CO-FOUNDER



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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STUDENT ACHIEVEMENT

AWARDED BY

be10X

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 KACHAVE
CO-FOUNDER



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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STUDENT ACHIEVEMENT



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 be10X in the month of November 2023.

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STUDENT ACHIEVEMENT



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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STUDENT ACHIEVEMENT



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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STUDENT ACHIEVEMENT



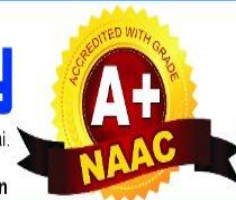
Lekha A, an II-year student in the Department of Information Technology, has completed an online certification course on **data science foundations** organized by **Great Learning** in November 2023.

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STUDENT ACHIEVEMENT



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/OMBDHXRL

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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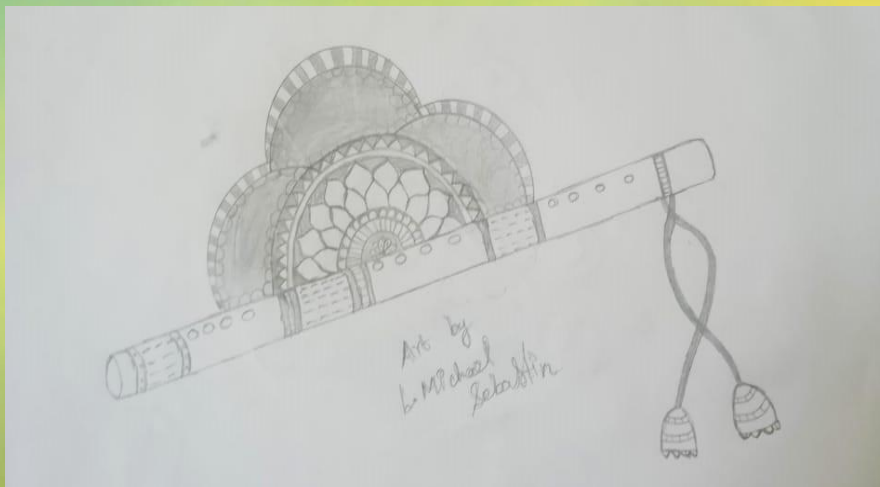
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STUDENT REPOSITORY



Micheal Sebastian, 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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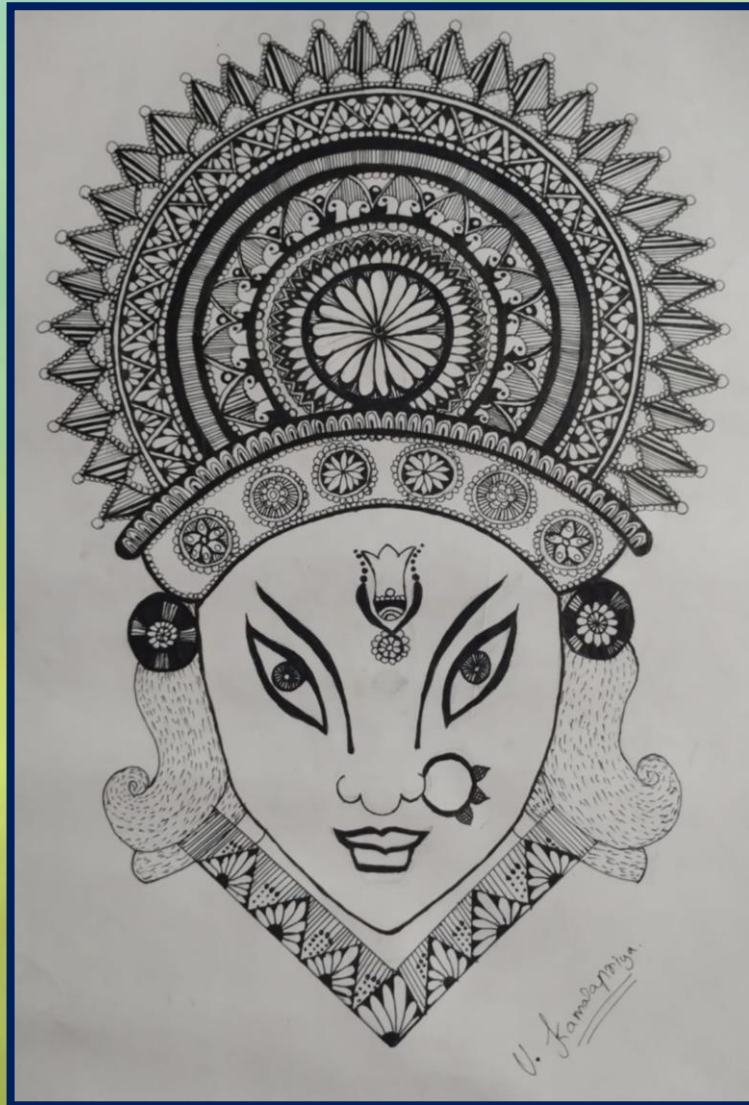
STUDENT REPOSITORY



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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STUDENT REPOSITORY



K. U. Kamalpriya (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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