BALA

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PROFILE

Mechanical engineer with a strong foundation in design, thermal systems, and renewable energy applications. Skilled in applying fluid dynamics and heat transfer concepts, with hands-on project experience improving solar PV efficiency using a converging duct cooling method. Proficient in CAD software and eager to contribute to innovative, sustainable engineering solutions.

EDUCATION

MRK INSTITUTE OF TECHNOLOGY **2021-2025**

Bachelor degree in Mechanical engineering
CGPA-7.6

RANI SEETHAI AACHI HIGHER SECONDARY SCHOOL. **2020-2021**

HSC
Percentage -77

SKILLS

- Auto (2D, Isometric, orthographic and layer properties)
- Creo (part modeling, GD&T and pursuing)

INTERSHIP

PROFENAA TECHNOLOGIES

- Description :Designed 2D/3D mechanical components in AutoCAD with GD&T accuracy.
- Skills :AutoCAD, GD&T, Mechanical Design.

PROJECT

INCREASE IN EFFICIENCY OF A PV MODULE DUE TO DECREASE IN MODULE TEMPERATURE BY AIR COOLING USING CONVERGING DUCT

- Solar panel heats up → efficiency drops.
- Converging duct makes air move faster.
- Fast air removes heat quickly.

PROJECT NAME : AUTOCAD

Title: Robotics

Date : 23.6.23 to 10.7.23

Description: Design and test robotic systems, integrating hardware and software for automation and AI

CERTIFICATIONS

SMART INDIAN HACKATHON -2024

Event: " TECHFUSE 2k24 "
Participated in " CAD Modelling "in MRK Institute of Technology

NATIONAL LEVEL TECHNICAL SYMPOSIUM

Event: "TECHFUSE 2k24"
participated in "paper presentation"in MRk Institute of Technology.

NATIONAL LEVEL TECHNICAL SYMPOSIUM

Event:" MECHZEAL "
participated in "3D printing Technology" in Arasu Engineering college.

DECLARATION

I hereby declare that all the information provided above is true to the best of my knowledge and belief.