

DASARI KASI VISWESWARA RAO

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EDUCATION

- Indian Institute of Technology, Kharagpur** 2020-present
CGPA(current): 8.4/10
M. Tech, Mechanical Systems Design
- Andhra University College of Engineering, Vishakhapatnam** *March 2019*
CGPA : 8.13/10
Bachelor in Technology(Mechanical Engineering)
- Aditya Junior College, Kakinada** *May 2015*
Aggregate Marks: 97.6/100
XII(Andhra Pradesh Board of Intermediate Education)
- Sama Public School, Kakinada** *May 2013*
CGPA : 9.8/10
X(Andhra Pradesh SSC Board)

PROJECTS AND WORKSHOPS

- 3D orientation and their Motion Planning** *June 2021 –March 2022*
On this project I am going to work for the next one year my M. Tech Thesis.
- Term Project in Mechanics of Composite:** *February - April 2021*
In this term project I have to made a python program to determine the effective properties of Composite material and to check the failure of composite material using Hashin failure criteria.
- Term Project in Advanced Mechanics of Solids** *March -April 2021*
Finding the Critical Stresses and Deflection for Buckling of a uniformly compressed Rectangular plate subjected to different end conditions. In this term project, we have to make python coding to solve the problem of mechanics of solids using Symbolic and Numerical Python package
- Term Project in Applied Elasticity** *October-November-2020*
Calculations of strains and Plotting the stresses using Matplotlib for a Thin uniform Disk subjected to Constant Rotation. In this term project, we have to make python coding to solve the problem of Applied Elasticity using Symbolic and Numerical Python package.
- Single Axis Solar Tracker** *March 2019*
Successfully devised a mechanism for improvement and live measurement of the absorption efficiency of photo-voltaic panel using a single axis motor that auto-aligns the surface of solar panels to the position of the sun and did a detailed cost analysis of solar panels with and without the Tracker.
- AUTOCRAZE, NIT Warangal** *October 2017*
Attended a three day workshop organised by NIT-W, giving hands-on experience of automobile engine (developed in association with **GO KART, SUPRA**, etc.) disassemble, demonstrating piston systems, fuel injection, ignition system, transmission, etc.

TECHNICAL SKILLS

Modeling Software	AutoCad, Siemens NX
Mathematical Skills	Matlab, Mathematica*
Programming Languages	C, C++, Python*
Analysis software	Ansys WB*
Software & Tools	MS Office

*Elementary Proficiency

POSITIONS OF RESPONSIBILITY

Project R3, Vishakhapatnam

May 2017

Co-led the project outreach and successfully drove the collection **18 Tonnes** of paper waste from institutions across Vishakhapatnam and got them recycled into 10,000 notebooks of 60GSM by 'International Paper Mill, Rajahmundry' under the company's CSR and distributed them among students in Vishakhapatnam Government Schools

ACHIEVEMENTS

Graduate Aptitude Test in Engineering:

Secured **All India Rank 482** among 137826 candidates in **GATE-2020**

Awarded a merit-based scholarship worth **INR 72,000 by North-South Foundation** for maintaining excellent academic performance through all four years of graduation

Awarded a one time scholarship amount of **INR 10,000 by HRD Ministry** for outstanding performance in XII Board exams (AP Intermediate Education Board)

EXTRA-CURRICULAR

Coordinated various personality development sessions for campus students by Akshaya-Patra Foundation

Volunteered for various book-distribution and food-distribution events conducted by Akshaya-Patra