

Sai Kiran Kumar Kangali



Career Objective:

To have a challenging career to utilize my skills and knowledge in a field that offers professional growth while contributing to the growth of the organization.

Education Details:

Degree	Institute	%/CGPA	Year
M.Tech in Design and Manufacturing	IIT - Tirupati	6.54/10	2020
B.Tech in Mechanical Engineering	GIET, Rajahmundry	68.51%	2014
Senior secondary education	Sri Chaitanya Jr college -Vizag	70.2 %	2010
Secondary education	Amara Jyothi High school – Pathapatnam	76 %	2008

Work Experience:

Job Description	Institute	Period
Assistant Professor	Chaitanya engineering college	Aug 2020-16-jan 2023
Assistant Professor	GVP Degree and PG Courses (A), Rushikonda	Jan 2023- Till date

Projects:

M.Tech Thesis: Mass finishing of 3D Complex Features for Defence and Medical Applications (Guide: Dr.M Ravi Sankar) **Period:** July-2019 to June-2020

Abstract: Mass finishing of components like knee implants and defence-based objects. Mass finishing is a term used to describe a group of abrasive industrial processes by which large lots of parts or components made from metal or other materials can be economically processed in bulk to achieve desired surface finish.

B.Tech Project: Fabrication of variable speed gear box

(Guide: Dr Veera Raju)

Period: Dec-2013 to June-2014

Abstract: Design and fabrication of spur gears using milling operation. Gears of different diameters and shafts are used as a system, which is used for generating variable output speed for a given input speed.

Term Projects:

- Processing of honeycomb structure using additive manufacturing method: To design and develop honeycomb structure using additive manufacturing process, to study the effect of varying the unit cell geometry on the compressive strength, and to optimize the honeycomb structure with less build time and low manufacturing cost.
- Wallet Design: A wallet was designed to protect the customer's data from card skimmers. The wallet's initial design was proposed considering the number of cards used on an average and the type of valuables carried inside the wallet.

Patent Publications:

- Efficient Data-Driven Algorithms For Estimating Engine Friction Torque
- A Dashboard Interface For Electric Scooters

Journal Publications:

- Effect of Process Parameters on Surface Roughness in Wire EDM of Titanium Alloys
- Analysis of Aerodynamics of a Missile using Ansys Fluent Software

Positions of Responsibility:

- Volunteer in Rama Krishna Math, Rajahmundry (September 2010 - April 2014)
- Co-Ordinator for Blood Donation Camp (July 2010 - September 2010)
- Security Co-Ordinator in the 1st Convocation at IIT TIRUPATI
- Security Core member in "TIRUTSAVA 2019", a prestigious college fest event at IIT Tirupati

Extra-Curricular Activities:

- Won Kabaddi title at school level during the academic year 2008
- Participated in blood donation camp at Model Blood Bank S.V.R.R Govt. General Hospital Conducted by IIT Tirupati

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Pathapatnam, A.P.

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Areas of Interest:

- FM & HM
- Metrology
- Production technology

Software and Tools:

Auto Cad

Solid Works

ANSYS

Catia

Operating system:

- Windows
- Intermediate in Ubuntu

Languages:

- Telugu (Native)
- English (Fluent)
- Hindi (Beginner)

Hobbies and Interests:

- Listening music
- Playing Carrom board
- Playing Badminton
- Solving Puzzles

Personal Details:

Gender: Male

DOB: 12-March-1993

Marital Status: Unmarried

Nationality: Indian