

Navajeevan Sagar Akepogu

Metallurgical and Materials Engineering

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CAREER OBJECTIVE

To get more exposure in the world of materials and to obtain a position that will allow me to utilize my technical skills and willingness to learn in making an organization successful.

EDUCATION

- 2023 - **M.Tech in Materials Engineering,**
Indian Institute of Science, Bangalore, Karnataka.
- 2019-2023 **B.Tech in Metallurgical and Materials Engineering, CGPA: 9.39/10**
Rajiv Gandhi University of Knowledge Technologies - R K Valley Campus, Kadapa,
Andhra Pradesh
- 2017-2019 **HSC – Intermediate Education, CGPA: 9.10/10**
Rajiv Gandhi University of Knowledge Technologies - R K Valley Campus, Kadapa,
Andhra Pradesh
- 2016-2017 **SSC-10th Class, CGPA: 10/10**
St.Claret High School, Kurnool, Andhra Pradesh

PROJECT WORK

Major Project : Microstructure Evolution and Corrosion behavior of Cu modified AA6082 Alloy

Aluminum alloys were widely used in automotive and aerospace application due to light weight, easy castability and excellent resistance to corrosion. However, its strength are not comparable to conventional ferrous materials and hence, aluminum alloys were subject to alloy modification, heat treatment, grain refinement and/or particulate reinforcements. Alloy modification and Heat treatment was found to be better choice which alter the microstructure and thus mechanical properties. In this project, AA6082 alloy was subject copper modification with 0-3 wt%. Its influence on microstructure evolution, development of mechanical properties and corrosion behavior were investigated.

ACHIEVEMENTS

- Secured All India Rank 7 in GATE-2023
- Second Topper of Class in B.Tech-Metallurgical and Materials Engineering
- School Topper in 10th Class

TRAINING AND WORKSHOP

- Participated in the workshop on Microstructural Characterization organized by Department of Metallurgical and Materials Engineering, RGUKT R K Valley during 16th to 30th March 2023.
- Participated and completed Common Yoga Protocol-Volunteer Training Program organized by RGUKT R K Valley during 11-05-2022 to 18-05-2022.
- Participated in webinar on Topics in Metallurgical & Materials Engineering organized by Department of Metallurgical and Materials Engineering, RGUKT R K Valley during 03-11-2020 to 07-11-2020.

HANDS ON EXPERIENCE WITH EQUIPEMENT'S

- Metallurgical Microscope
- Metallographic preparation set up
- Abrasive Cutting Machine
- Rockwell Hardness testing
- Brinell Hardness testing
- Vickers Hardness testing

CO-CURRICULAR ACTIVITIES

- Served as NSS Volunteer at RGUKT- R K Valley
- Class Representative during third and final years of B.Tech
- Organizing Committee member for departmental fest events

COMPUTER SKILLS

- Operating system: LINUX, Windows-8
- Basics of Python
- MS Office (Word, Excel and PowerPoint)
- Basics of Computer

LANGUAGE ELOQUENCE

- English
- Telugu

HOBBIES

- Playing cricket and volleyball
- Listening music

I hereby declare that all the above-mentioned information about me is true to the best of my knowledge.

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