

SAJO GEORGE

MQ 621 Dipka colony Gevra Project Korba |sajo1912@gmail.com|09406238965

PROFILE

A talented engineer who is specialized in mechanical and aircraft component designing and systems troubleshooting and technical repairs; has developed various aerospace engineering skills brought about by knowledge in materials and its characterization methods, practical and hands-on exposure to parts, systems and hands-on work, as well as extensive theoretical trainings; has the ability to handle groups of technicians under supervision; has mentored junior engineers to be proactive, skilled and developed them to have quick problem-solving skills even under pressure; reliable and meets deadlines; excellent motivational and leadership techniques.

KEY SKILLS AND COMPETENCIES

- Experienced in material characterization methods like X-ray powder diffraction(XRD), X-ray fluorescence(XRF), Raman spectroscopy, hardness testing and SEM (Scanning Electron Microscope)
- Theoretical knowledge of metals, alloys, super alloys and high entropy alloys
- Ability to work to tight deadlines and under pressure as part of a team
- Understanding of fatigue and crack growth analysis of metallic structures
- A good aptitude in understanding complex mechanical and aircraft components
- Some Aero Engine assembly and dis-assembly experience
- Excellent communication and presentation skills
- Actively supporting and promoting continuous improvement
- An ability to manage multiple tasks
- Possessing the drive to follow tasks through to a successful outcome
- Able to work to an agreed time scale
- Continuously developing engineering expertise and experience whilst working on projects

WORK EXPERIENCE

Internship - Bangalore Aircraft Industries (Pvt) Ltd.

May 2017 –Jun 2017

- Exposed to CAD modelling, Stress Analysis, fabrication and material testing during the intern program
- Worked for different designing projects as a team under the guidance of retired scientist from NAL (NationalAeronautical Limited)

TRAINING AND WORKSHOPS

International Conference on Recent Advances in Aerospace Engineering (ICRAAE)

Mar 2017

Mindkraft (National level techno-management fest)

Feb 2015, Mar 2016, Mar 2017

Unmanned Aerial Systems – Recent trends and Prospects

Oct2015

Composite materials in Aerospace applications

Feb 2016

PROJECTS

- Aircraft Design project
- Semester Project - "Numerical Investigation of Effect of Nano-Aluminium Addition on CO Pollutants Emissionin Liquid Fuels Combustion
- Study of High entropy alloy

TECHNICAL SKILLS

- ANSYS WB and ANSYS CFX - Technology Training & Research Centre Sept 2015 – Feb 2016
- CATIA (Modelling Assembling Surfacing) CAD SOLUTIONS Sept 2016 – Nov 2016
- Drafting: This course certificate was issued by CAD SOLUTIONS training services, Coimbatore, India.
- Experience in cutting, Mounting, Grinding and Polishing Machining tools like Automet, secotom,simpliment mounting, Isomet blue etc.

EDUCATION

MSc Aerospace Materials, University of Sheffield

Sept 2017 – Sept 2018

Bachelor's in AEROSPACE ENGINEERING - Karunya University, India

Jul 2013 – Jul2017

REFERENCES

Available on request.