

S.Surya

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Career Summary

- 5 years of experience in Mechanical design, Integration and Electrical Harness Design in the defence and aerospace industry.
- Looking forward to advanced technical challenges in the field of Electro Mechanical Design domain.

Skills

- Proficient in design softwares- Auto CAD, Catia V5, SolidWorks.
- Proficient in Ansys workbench analysis.
- Experienced in electrical wiring harness using Catia V5.
- Proficient in using geometric dimensioning & tolerance to drawings.
- Proficient in MS Office Tools- Word, Excel, Power Point Presentation.
- Maintaining good relations with Vendors/Customers/Contractors.
- Quick learner, hardworking, team player.

Work Experience

1. Designation : Project Engineer
Employer Name : Advanced Naval Systems Programme, DRDL, Hyderabad
Duration : September 2018 to 2021 March

Roles and Responsibilities:

- Planning of assembly line activities to meet the project schedules by avoiding unknown delays without compromising quality standards.
- Maintaining good communication with vendors, other labs for product realization, fabrication activities, various trials and tests.
- Preparation of test plans, procedures for component qualification.
- Process planning and cost estimation, negotiation.
- Manpower management.

2. Designation : Design & Integration Engineer
Employer Name : Advanced Naval Systems Programme, DRDL, Hyderabad
Duration : March 2021 to till date

Roles and Responsibilities:

Electrical Wiring Harness activities

- Routing of harness/power cables, Pipe routing in 3D environment using Catia.
- Collecting the data and dimensions for standard parts.
- Packaging electrical component as per design review meetings.
- Creating wiring layouts on components schematics diagrams.
- Project co-ordination with on-site engineers and process partners.
- Provide technical presentations and documentation as per the requirement.
- Managed system wiring diagrams, wiring diagram layouts, harness assembly integration and wiring modification as per user requirement.

Mechanical Design & Integration Activities

- Design and drafting of aerospace quality components, ground handling brackets, lifting beams and support formats.
- Involved in the full product life cycle, from product definition to realization.
- Involved in the preparation of engineering Bill of material, production drawings and assembly layouts.
- Familiar with design for manufacturing and assembly (DFMA).
- Structural and vibration analysis of aerospace components and fasteners.
- Preparation of check sheets for assembly of hardware as per assembly layouts.
- Supervising assembly (sub-assembly, assembly) activities.
- Experienced in material handling/Rigging.
- Preparation of aerospace worthy systems for various qualification tests.
- Preparation of aerospace sections, motors and nozzle for leak tests, Vibration tests, buckling tests etc.
- Guide and teach shop floor activities (Machining, Drilling, Grinding etc) to Technicians.
- Maintaining records of performance reports for future reference.

Internship

Role	: Trainee
Employer Name	: KTPS-TSGENCO, Palvanha, Khammam
Duration	: June 2014 to July 2014

Responsibilities:

- Gaining practical knowledge on Thermal power plant components like Turbine, Boiler, Compressor, Cooling Tower, Water treatment plant etc.
- Document Preparation.

Education

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1. Master of Engineering in Mech. Engg with specialization CAD/CAM
Osmania University (O.U), Hyderabad
CGPA 8.84/10.0
 2. Bachelor of Technology in Mechanical Engineering
Rajeev Gandhi University of Knowledge Technologies (RGUKT), Basar
CGPA 7.50/10.0

Certification Course

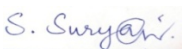
Auto CAD, Catia V5 and CNC Programming from Central Institute of Tool Design (CITD-MSME), Balanagar, Hyderabad.

Personal Details

Date of Birth	: July 25 th , 1993
Languages known	: Telugu, Hindi, English
Nationality	: Indian
Marital Status	: Married
Present Address	: Kandukur, Rangareddy Dist, Telangana 501 358

Declaration

I hereby declare that the above mentioned information is correct to the best of my knowledge and belief.


(S.Surya)