

Job Description: Avionics Engineer

About Us:

Founded in mid-2022, InspeCity is building Earth 2.0 in near-earth space. In the near term, the engineers of InspeCity are creating a fleet of Vehicles for life-Extension and Deorbiting Activities (VEDA), equipped with Robotically Inserted Guidance systems (RIG) to cater to satellite- servicing, active debris removal, and satellite-deployment in all orbits. In the long term, the extensive fleet of RIG-equipped VEDAs will be leveraged to build innovative large-scale human habitats in space, free from the tyranny of solar-planetary environments. As a mechanical engineer, you will join our team of professionals who are passionate about designing and developing cutting-edge mechanical systems.

Position Overview:

Are you a highly skilled and motivated avionics engineer? If you are, don't miss out on a terrific chance to contribute to the design, development, and implementation of robotics and guidance subsystems for the next generation of satellites rolling out of India. You will collaborate with a multidisciplinary team of engineers and technicians to ensure the development of robotic, guidance, propulsion, and other satellite subsystems. You will develop complex circuitry for all of those subsystems and see them come alive both on and off the planet!

Responsibilities:

1. Interact with the rest of the subsystem teams to gather electronics related requirements and analyze them thoroughly
2. Design, develop, and assemble quick and dirty circuit boards to meet the requirements
3. Perform component selection, design analysis, schematic capture, circuit board design, prototyping, board bring-up, debugging, circuit validation, and design documentation
4. Perform space-grade board design and assembly, ensuring adherence to
5. design specifications and quality standards.

ADDRESS

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CIN : U35300MH2022PTC387536

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Expected Skills:

1. Bachelors/Diploma in related engineering fields
2. Experience in designing and assembling electric circuits and troubleshooting them
3. Experience with basic control algorithms like PID
4. Familiar with microcontroller and basics of embedded systems
5. Proficiency in operating avionics test equipment, including oscilloscopes, multimeters, and current probes
6. Good understanding of the workings of motors
7. 'Can do' attitude to solve problems

Desired Skills:

1. Advanced Degree in Engineering or Science (Masters/PhD).
2. Demonstrate creative problem-solving skills, balancing multifaceted requirements, assessing risks, and making informed design and development decisions
3. Familiarity with electrical schematics and electronics manufacturing for improved test coverage
4. Hands-on experience with the sizing, installation, and troubleshooting of various electronic components
5. Experience with NX or similar CAD software
6. Experience with PCB design and Altium or similar software

How to Apply:

Send us your CV through the careers page on our website to apply for this position. Join our team and contribute your expertise to the advancement of innovative mechanical engineering solutions. Apply today and be a part of our mission to deliver outstanding results to our clients while fostering your professional growth and development.

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