R&D Assistant Engineer

About Us

Vivo Surgical is a patient-focused, clinician-driven medical device developer and manufacturer. Headquartered in Singapore with offices in China and Thailand, we are pioneering a novel endoscopic surgical robot for complex endoluminal surgeries. ISO 13485 certified with international accreditations awarded such as the US FDA and European CE mark, our devices target the medical needs of the world through innovative applications of science & technology. These encompass such fields as in vivo surgical LED lighting, portable endoscopy and endoscopic robots, which are strategically co-developed with world-class healthcare institutions and KOL collaborators. Join us as we build towards our vision of being Asia Pacific's leading medical device developer and manufacturer.

About The Role

We value the importance of having a robust engineering team that would serve as a key pillar for sustained commercial success. To that end, we are looking for a **R&D Assistant Engineer** to join us on this journey. As R&D Engineering Assistant, you will be working closely with our mechanical and electrical team to build our robotic system. Throughout the journey, you will be involved in the conceptualization, prototyping, verification and validation testing phase.

Your responsibilities shall include the following:

- Participate in the design, prototyping and development of mechanical and electrical solutions.
- Provide technical support to the mechanical team to assemble the prototypes.
- Provide technical support to the electrical team to build the PCBAs and cabling.
- Perform incoming quality checks on purchased parts.
- Support the development of in-house testers / test tools for verification tests.
- Manage the engineering workshop's equipment and inventory such as maintaining and troubleshooting the 3D printers and other equipment.
- Help during benchtop and pre-clinical studies.
- Work with the team to optimize the system's cost, assembly, manufacturability, quality, and reliability.

Your Qualifications & Experience

- Minimum Diploma in Mechanical / Electrical / Biomedical Engineering or related.
- 2 years' experience in a R&D environment would be preferred.
- Well-versed and hands-on in rapid prototyping (3D printing) and utilizing workshop tools, as well as equipment such as oscilloscopes and soldering stations.
- Strong analytical, troubleshooting, problem-solving, and communication skills.
- Possessing both a positive attitude and willingness to learn.
- Knowledge of CAD software (e.g., SolidWorks) and technical drawings will be advantageous.

Contact

Please send your CV and cover letter to: hr@vivo-surgical.com. We look forward to receiving your application.

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