

Job Description			
Job Title:	Executive		
Function:	Innovation	Report to:	Manager – Innovation
Location:	Turbhe, Navi Mumbai	Position Type:	Full Time
About Yashraj Biotechnology Ltd:			
<p>Yashraj Biotechnology Ltd (YBL) is a research and innovation driven, UL registered and ISO 13485:2016, ISO 9001:2015 and ISO 45001:2018 certified company, established in 1999 at Navi Mumbai, Maharashtra, India. YBL also has offices in Germany and USA.</p> <p>Our Vision: Be the key player in Life Sciences – Diagnostics and drive innovation for making a Healthier World.</p> <p>Our Values:</p> <ul style="list-style-type: none"> • Commitment • Consistency • Fairness • Innovation • Responsible Business <p>Website – www.yashraj.com - Visit our website, understand about our products. LinkedIn Profile - www.linkedin.com/company/yashraj-biotechnology-ltd/</p>			
Roles and Responsibilities			
<ul style="list-style-type: none"> ❖ To own YBL Vision & Values. ❖ Embedded Firmware Development <ul style="list-style-type: none"> • Design, develop, and debug embedded firmware using Zephyr RTOS. • Integrate peripheral drivers (I2C, SPI, GPIO, I2S, ADC, etc.). • Work on low-power optimization and real-time performance tuning. • Debug firmware using JTAG/SWD and logging tools. ❖ Quality Control & Testing <ul style="list-style-type: none"> • Perform QC testing of raw materials, electronic components, and modules. • Validate in-production devices for functionality, reliability, and performance. • Support manufacturing testing, failure analysis, and corrective actions. • Maintain test procedures and documentation. ❖ Hardware Development Support <ul style="list-style-type: none"> • Contribute to PCB schematic design and review. • Assist in component selection and BOM finalization. • Support hardware bring-up and board-level debugging. • Work closely with hardware designers to resolve firmware–hardware integration issues. ❖ Any other activity in the overall interest of YBL. 			
Qualifications and Educational Requirement			
<ul style="list-style-type: none"> ❖ Bachelor's degree in Electronics / Embedded Systems / Electrical Engineering or equivalent practical experience. 			

Desired Expectations	
<ul style="list-style-type: none"> ❖ Aligned with YBL Vision, Values and Beliefs. ❖ Strong experience in Embedded C / C++. ❖ Hands-on experience with Zephyr RTOS. ❖ Solid understanding of Bluetooth Low Energy (BLE). ❖ Knowledge of embedded peripherals (I2C, SPI, UART, GPIO). ❖ Familiarity with debugging tools (JTAG, SWD, logic analyzers). ❖ Understanding of basic electronics and embedded hardware. 	
Desired Qualities	
<ul style="list-style-type: none"> ❖ Strong technical skills ❖ Critical Thinking ❖ Flexibility ❖ A Team player ❖ Analytical skills 	
Compensation	Compensation and other perquisites would not be a constraint for the right candidate
Email Id	career.ybl@yashraj.com