

## Job Description

<b>Job Title:</b>	Executive		
<b>Function:</b>	Innovation	<b>Report to:</b>	Manager - Innovation
<b>Location:</b>	Turbhe, Navi Mumbai	<b>Position Type:</b>	Full Time

### About Yashraj Biotechnology Ltd:

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.

### Our Vision:

Be the key player in Life Sciences – Diagnostics and drive innovation for making a Healthier World.

### Our Values:

- Commitment
- Consistency
- Fairness
- Innovation
- Responsible Business

Website – [www.yashraj.com](http://www.yashraj.com) - Visit our website, understand about our products.

LinkedIn Profile - [www.linkedin.com/company/yashraj-biotechnology-ltd/](http://www.linkedin.com/company/yashraj-biotechnology-ltd/)

## Roles and Responsibilities

- ❖ To own YBL Vision & Values.
- ❖ Embedded Firmware Development
  - 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
  - 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
  - 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

- ❖ Bachelor's degree in Electronics / Embedded Systems / Electrical Engineering or equivalent practical experience.

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