

## Title: Embedded Systems Engineer

**Company:** IG Drones

**Location:** Bhubaneswar, India

**Internship Duration:** 3-6 Months (Full-time Employment upon successful completion of all criteria)

### About IG Drones:

Founded with an aim to provide enterprise drone solutions PAN India and revolutionize the conventional industrial methods using highly efficient drones, IG Drones is a name that has set new benchmarks in the drone industry. A vertically integrated organization with inhouse R&D, Manufacturing, Software & training operations, IG Drones delivers world class end-to-end solutions for an array of drone requirements in Powerline, Infrastructure, Renewables, Mining, Railway, River Mapping, Agriculture, Industrial, Forest Survey & other enterprise sectors.

### Position Overview:

We are seeking a passionate and talented Embedded Systems Engineer to join our team for a 3-6 months internship program. As an Embedded Systems Engineer at IG Drones, you will have the opportunity to work closely with our R&D and development teams to design, develop, and optimize firmware and embedded systems for our drone technology.

### Responsibilities:

- Collaborate with product managers, hardware engineers, and other stakeholders to understand project requirements and system specifications.
- Develop, test, and maintain embedded software for drone systems and components.
- Design and implement firmware for microcontrollers and other embedded devices.
- Conduct debugging and troubleshooting of hardware and firmware issues.
- Perform system-level integration and testing to ensure functionality and performance.
- Optimize embedded systems for efficiency, reliability, and power consumption.
- Document system designs, processes, and code to ensure maintainability and knowledge sharing.

### Requirements:

- Pursuing a degree in Electrical/Electronics Engineering, Computer Engineering, Embedded Systems, or a related field.
- Proficiency in programming languages such as C/C++.
- Strong understanding of microcontrollers, sensors, and communication protocols (e.g., SPI, I2C, UART).
- Experience with embedded systems development and real-time operating systems (RTOS).
- Familiarity with hardware debugging tools and techniques.
- Ability to work independently and manage multiple tasks in a fast-paced environment.

### Perks and Benefits:

- Opportunity to work with a dynamic and talented team in a rapidly growing industry.
- Hands-on experience with cutting-edge drone technology and real-world applications.
- Mentorship from experienced professionals in the field of embedded systems.
- Flexible work hours and a supportive work environment.

### How to Apply:

Interested candidates are encouraged to send their resume and portfolio to [hr@igdrones.com](mailto:hr@igdrones.com). Please include a brief cover letter highlighting your interest in the position and relevant experience.

Join us at IG Drones and be part of shaping the future of drone technology with your creativity and passion for UI/UX design!