

H2Power energy PVT. LTD.

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Job Title: Mechatronic Engineer Intern
Location: IIT Kanpur Outreach Center, Noida
Company: H2 Power Energy Pvt. Ltd.

About Us:

H2 Power Energy is a leader in renewable energy, focusing on hydrogen power and energy storage. Join us at the IIT Kanpur Outreach Center in Noida for hands-on experience in mechatronics, automation, and clean energy solutions.

Role Overview:

We are looking for a **Mechatronic Engineer Intern** to assist with the design, development, and testing of mechatronic systems. This internship provides an opportunity to work on cutting-edge renewable energy projects.

Key Responsibilities:

- Design and prototype mechatronic systems for hydrogen energy solutions.
- Integrate mechanical, electrical, and software components.
- Assist with automation, control systems, and embedded systems.
- Conduct testing, troubleshooting, and optimization of systems.
- Document processes and contribute to technical reports.

Qualifications:

- Currently pursuing or recently completed a degree in Mechatronics, Mechanical, Electrical Engineering, or related fields.
- Strong understanding of mechatronics, systems integration, and automation.
- Excellent problem-solving skills and ability to work both independently and in teams.
- Good communication skills (written and verbal).

Technical Skills:

- **ELM327:** Experience with OBD-II vehicle diagnostics.
- **ATmega328P:** Proficiency in microcontroller programming.
- **ESP32:** Hands-on experience with IoT applications and wireless communication.
- **Embedded Systems:** Experience with Arduino, Raspberry Pi, etc.
- **Programming Languages:** Proficient in C/C++, basic knowledge of Python, JavaScript, HTML/CSS.

What We Offer:

- Real-world experience in renewable energy and mechatronics.
- Mentorship from senior engineers.
- Internship Certificate
- Attractive Stipend

Application Process:

Submit your resume and a brief cover letter outlining your skills and interest in the position.