**Subject: Proposal for Conducting *Enginuity 2025: The Hardware Arena* as part of the glorious journey of 25 years**

**Respected Sir,**

We, the Department of Electronics and Communication Engineering, seek your kind approval to organize a prestigious **inter-departmental and inter-college engineering hardware competition**, titled: **“Enginuity 2025: The Hardware Arena”**

as part of the glorious **25-year celebration** of JIS College of Engineering.

**Event Details:**

* **Organized by:** Department of Electronics and Communication Engineering
* **Event Title:** *Enginuity 2025: The Hardware Arena*
* **Date:** August 8–9, 2025
* **Venue:** JIS College of Engineering
* **Target Participants:** Engineering students from all disciplines from all over India (in-house and external).
* **Registration Fee:** ₹500 per team (up to 4 members); ₹100 for each additional member
* **Rewards:**
  + **Cash Prize:** First prize ₹20000/-, Second prize ₹15000/-, Third prize ₹10000/- in each category.
  + **Intellectual Property Rights (IPR):** Truly innovative projects, as identified and selected by the panel of experts and judges, will be offered the opportunity to file for Intellectual Property Rights (IPR) in collaboration with JIS College of Engineering, with all associated costs fully sponsored by the organizing institution.

**Categories for Participation:**

Participants are invited to present innovative hardware prototypes in the following two categories:

**1. Embedtronics**

Projects related to Robotics, Automation, Embedded Systems, and IoT, including but not limited to:

* Smart home or smart city solutions
* Wearable health monitors
* IoT-based environmental monitoring
* Agricultural automation tools
* Home security systems
* Autonomous drones or vehicles
* Sensor-based automation systems
* Humanoid robots
* Miscellaneous innovations in embedded technologies

**2. EnerTronix**

Projects emphasizing Renewable Energy, Sustainability, and Mechatronic Systems, including:

* Solar-powered gadgets or appliances
* Energy harvesting devices
* Portable wind or hydro generators
* Sustainable irrigation or water purification systems
* Smart measurement or monitoring tools
* Automated test rigs or simulators
* Motor control systems and actuators
* Industrial automation prototypes
* Miscellaneous innovations in green tech and mechatronics

**Objective:**

The competition aims to:

* Promote **innovation** and **technical creativity** among engineering students.
* Encourage hands-on learning through real-world problem-solving.
* Identify and nurture talent in emerging domains like **IoT, Embedded Systems, Automation, and Renewable Energy.**

**Request for Approval:**

We kindly request your approval and support for organizing this event under the Silver Jubilee celebration banner. Upon your consent, we will initiate further planning, communication, and coordination activities.

We are confident that this initiative will uphold the institution’s vision of excellence and will further enhance student engagement and practical skills.

Looking forward to your kind approval.

**With Regards,**

Dr. Moumita Pal  
**Head of the Department**  
Electronics and Communication Engineering  
JIS College of Engineering