




' TO WHOM IT MAY CONCERN

This is to formally certify that Mr. Shaswata Ghosh, a student of Mechanical Engineering at the National Institute of Technology, Durgapur (Roll No: 23ME8134), has successfully completed his internship in our department from 15th June to 16th July.

During his internship, Shaswata worked on a project titled "Experiment on Calorific Value Determination in a Semi-Automotive Bomb Calorimeter." The aim of the project was to develop a semi-automated system for measuring the calorific value of fuels, using Arduino-based data acquisition and K-type thermocouples for temperature sensing.

Throughout the project, Shaswata demonstrated a solid grasp of experimental methodologies, embedded system integration, and sensor calibration techniques. He approached tasks with sincerity and enthusiasm, often taking initiative to troubleshoot and optimize different aspects of the setup. His ability to work both independently and as part of a team was evident, and his dedication to learning and applying engineering principles was truly commendable.

We found him to be a focused and capable intern, and we sincerely appreciate the contribution he made during his time with us. We wish Shaswata continued success in all his future academic and professional pursuits.



(Signature)

Sourav Sarkar

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