**DECLARATION**

I, student of **B.Tech (Electronics & Communication Engineering)** hereby declare that the report titled “**HOME FUSION: SMART HOME SMARTER LIVES”,** submitted in partial fulfillment of the requirement for the award of degree of **Bachelor of Technology** comprises of our original work and has not been submitted anywhere else for any other degree to the best of our knowledge.

**Adarsh Goyal**

**Enrollment No: 36115002821**

**CERTIFICATE**

This is to certify that the project work done on **“HOME FUSION: SMART HOME SMARTER LIVES”** submitted to **Maharaja Surajmal Institute of Technology, Janakpuri Delhi** by **“Adarsh Goyal (36115002821)”** in partial fulfillment of the requirement for the award of degree of **Bachelor of Technology**, is a bonafide work carried out by them under my supervision and guidance. This project work comprises of original work and has not been submitted anywhere else for any other degree to the bet of my knowledge.

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**ACKNOWLEDGEMENT**

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## ABSTRACT

Home Fusion is an innovative IoT-based home automation system that simplifies how users control household appliances. By integrating embedded hardware, software, and sensors, it enables seamless management through laptops, mobile apps, and sensor-based automation. Inspired by the rising demand for smart living spaces, Home Fusion automates tasks like adjusting lights or temperature based on environmental changes.

With remote access, users can control appliances from anywhere, ensuring convenience and efficiency. Features like schedule-based automation and real-time adjustments optimize energy use, reducing waste while maintaining comfort. The system is scalable and customizable, allowing integration of additional devices to fit specific needs.

Home Fusion prioritizes security with motion detectors and real-time alerts, enhancing safety. Its intuitive interfaces make it easy to set up and use, catering to all technical levels. By blending smart automation, energy efficiency, and security, Home Fusion offers a modern, connected living solution.

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