DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
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Dr. M.BHASKAR, B.E., M.E., Ph.D.
Professor

9th September 2022

Internship Certificate

This is to certify that **Ms. RAJSHRI SIMHADRI (Roll number 19241A0251)** final year B.Tech. student of the **Department of Electrical and Electronics Engineering, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad, Telangana, India,** carried out her summer internship project titled **"IOT based speed control of DC motor using PWM technique"** under my supervision during the period 11th July 2022 to 5th September 2022 for 8 weeks.

She has implemented a speed control algorithm in embedded C++ language and implemented it in Arduino Controller ATMEGA328P. She has demonstrated a working prototype with an L293D driver and Wi-Fi module ESP8266. The suggested project technique uses the concept of IoT and through a mobile app, the speed of a DC motor is regulated.

She has completed the coding and its implementation in the controller board within the stipulated time and her performance was found very good. She is a dedicated, sincere and hardworking internship student and was keen on understanding the programming concepts, its hardware implementations and its analysis in detail.

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