

G. NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE (For Women)

Department of Electrical and Electronics Engineering

Shaikpet, Hyderabad-500104.




**CERTIFICATE**

This is to certify that the mini project report entitled, “**SIMULATION AND IMPLEMENTATION OF BIDIRECTIONAL LITHIUM-ION BATTERY CHARGING USING MICROCONTROLLER**” that is being submitted by

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in partial fulfilment of the requirements for the reward of **Bachelor of Technology in Electrical and Electronics Engineering** from GNITS affiliated to **Jawaharlal Nehru Technological University Hyderabad** is a record of bonafide work carried out under our guidance and supervision in the academic year 2021-2022. This report has not been submitted to any other university for the award of any degree or diploma.

  
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