



Department of Pure & Applied Physics
Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)

(A Central University)

CERTIFICATE

This is to certify that the thesis entitled, “**Traffic light system without microcontroller**” submitted by **Himalay Prasad** in the partial fulfilment for the requirements for the award of Bachelor of Science Degree in Physics at Department of Pure and Applied Physics, Guru Ghasidas Vishwavidyalaya (A Central University), Bilaspur (C.G.), 495009, INDIA is an authentic work carried out by him under my supervision and guidance.

To the best of my knowledge, the matter embodied in the thesis has not been submitted to any other University/ Institute for the award of Degree or Diploma.

Dr. Bivash Dolai

Date.....

Dean of Department of Pure Applied Physics