## **CERTIFICATE BY GUIDED**

This is to certify that "SWETA CHOUDHARY" bearing enrollment no.

- GGV/18/7188 has developed this project titled "SPINTRONICS" for GURU GHASIDAS VISHWAVIDYALAYA as partial fulfillment for the award of the degree of Bachelor of science(Physics).

Date-

**GUIDED BY-**

Place-BILASPUR

Mr. P. RAMBABU

विभागाध्यक्ष/H.O.D. शुद्ध एवं अनुप्रयुक्त भौतिकी विभाग Dept. of Pure & Applied Physics गुरु घासीदास विश्वविद्यालय Guru Ghasidas Vishwavidyalaya बिलासपुर (छ.ग.)/Bilaspur (C.G.)