

BIRLA INSTITUTE OF TECHNOLOGY & SCIENCE, PILANI

CERTIFICATE

This is to certify that the thesis entitled “**Design and Development of Linearly and Circularly Polarized Pattern Reconfigurable Antennas**” which is submitted by **Khairnar Vikas Vishnu**, ID No **2013PHXF0409G** for award of Ph.D. of the Institute embodies original work done by him under my supervision.

Signature of the Supervisor:



Name in capital letters : **PROF. RAMESHA C. K.**

Designation : **ASSOCIATE PROFESSOR**

Department : Electrical & Electronics Engineering

Date : 30/01/2020

Signature of the Co-supervisor:



Name in capital letters : **PROF. LUCY J. GUDINO**

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Department : Computer Science & Information Systems

Date : 30-01-2020