

**Analysis, Design and Development of a Low Cross
Polarization Level Ultra-Wideband Absorber using
Resistive Metasurfaces**



A THESIS SUBMITTED IN THE PARTIAL FULFILLMENT OF THE REQUIREMENT
FOR THE AWARD OF THE DEGREE OF

DOCTOR OF PHILOSOPHY

BY

SAURABH KUMAR SRIVASTAVA

**DEPARTMENT OF ELECTRONICS ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY
(BANARAS HINDU UNIVERSITY)
VARANASI-221005, INDIA**

Roll No. 17091008

2023