## CERTIFICATE

It is certified that the work contained in the thesis titled "Multiband Metamaterial Absorbers and Application for Antenna Isolation Enhancement" by Mr. Mayank Agarwal has been carried out under my supervision and that this work has not been submitted elsewhere for a degree.

It is further certified that the student has fulfilled all the requirements of Comprehensive Examination, Candidacy and SOTA for the award of Ph. D. Degree.

(Dr. Manoj Kumar Meshram)

Supervisor

Department of Electronics Engineering

IIT (BHU), Varanasi सहआचार्य/Associate Professor इलेक्ट्रॉनिकी अभियांत्रिकी विभाग Department of Electronics Engineering भारतीय प्रौद्योगिकी संस्थान Indian Institute of Technology (वनारस हिन्दू यूनिवर्सिटी) (Banaras Hindu University) वाराणसी/Varanasi-221005