# **Efficient Multiple Access Schemes for Next Generation Wireless Communications**

Thesis submitted to
Indian Institute of Technology, Kharagpur
for the award of the degree

of

**Doctor of Philosophy** 

by

**Poonam Singh** 

under the guidance of

Professor Saswat Chakrabarti, GSSST

and

Professor R. V. Raja Kumar, Dept of E & ECE



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### **CERTIFICATE**

This is to certify that the thesis titled "Efficient Multiple Access Schemes for Next Generation Wireless Communications", submitted by Poonam Singh to the Indian Institute of Technology, Kharagpur, India for the award of Doctor of Philosophy is a bonafied research work carried out by her under our supervision during the period 2004-2009. The results embodied in this thesis have not been submitted to any other University or Institute for the award of any degree or diploma. In our opinion, this dissertation is of the standard required for the award of the degree of Doctor of Philosophy of the Institute.

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Place: IIT, Kharagpur Date: 27.05.2010

## **Declaration**

### I certify that

- a. the work contained in this thesis is original and has been done by me under the guidance of my supervisors.
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