

Dissertation Approval

This is to certify that the dissertation titled **USRP based Cognitive Radio Test-Bed using OpenBTS** by **Abrar Ahmad** (113310017) is approved for the degree of **Master of Technology** in Electrical Engineering with a specialization in Communication and Signal Processing.

.....*S. Merchant*.....

Supervisor

.....*V. Venkatas*.....

Examiner

.....*Govind Kumar*.....

Examiner

.....*Govind Kumar*.....

Chairman

Date: ...*25/6/2014*...

Place: IIT Bombay