

# 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.

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Supervisor

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Examiner

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Examiner

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Chairman

Date: .....

Place: IIT Bombay