

Visvesvaraya Technological University, Belgaum -590018



A PROJECT REPORT

on

**“NOVEL COMPACT CIRCULAR DIELECTRIC RESONATOR
ANTENNA FOR IEEE 802.11a AND IEEE 802.11ac”**

Submitted By

LaxmanveeraAvinash P (4RA08EC021)

Anantharamu I V (4RA10EC401)

Priyanka R (4RA10EC032)

Shalini S (4RA10EC038)

Under the Guidance of

Mr. RAVIKIRAN H.K B.E, M.Tech.,

Asst.Professor,

E&C Department,

R.I.T, Hassan.



Department of Electronics & Communication Engineering

Rajeev Institute of Technology, Hassan-573201

2013-2014

ABSTRACT

The project is intended to study the Transmission Line model analysis to design the Circular Dielectric Resonator Antenna (CDRA) by using the high EM simulator for wide band characteristics for IEEE 802.11a and IEEE 802.11ac.

In the project perturbations on geometries technique is used for the enhancement of the bandwidth for the DRA is used.

Stacking of the substrates will be used for achieving higher expected results.