

GUJARAT TECHNOLOGICAL UNIVERSITY

M.E. Semester: III

Communication Systems Engineering

Subject Name: **RF Laboratory**

The RF lab may contain following experiments based on availability of equipments:

1. Spectral response of digital carrier systems
2. Antenna radiation patterns
3. Path loss measurement
4. Simulation and modelling of RF systems
5. Microwave measurements
6. Antenna design using design tools
7. Bandwidth measurement of CDMA and GSM carriers
8. RF microelectronics design using VLSI tools
9. Link Budget analysis for wireless systems
10. Path loss models for RF communication systems