

Course Name - Antennas

Faculty Name - Prof. Girish Kumar

Institute Name - IIT Bombay

Course Syllabus -

Week 1 : Antenna Introduction I - III , Antenna Fundamentals I - II

Week 2 : Antenna Radiation Hazards I - II , Dipole Antennas I - III

Week 3 : Monopole Antennas I - II , Loop Antennas , Slot Antennas

Week 4 : Linear Arrays I - III , Planar Arrays

Week 5 : Microstrip Antennas(MSA), Rectangular MSA, MSA Parametric Analysis I - II, Circular MSA

Week 6 : Broadband MSA I - V

Week 7 : Compact MSA I - III , Tunable MSA I –II

Week 8 : Circularly Polarized MSA I - III, MSA Arrays I - III

Week 9 : Helical Antennas I - V

Week 10 : Horn Antennas I – V

Week 11 : Yagi-Uda and Log-Periodic Antennas I - III, IE3D Session TA- I - III

Week 12 : Reflector Antennas I - IV, Lab Session