**LESSON PLAN**

**Subject Code & Name:** ***AWP* Branch: *E.C.E***

**Class / Semester:*III B.Tech II Semester* Academic Year: *2016-2017***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Period** | **Date (Tentative)** | **Topic** | **Unit No.** | **Teaching Methodology** | **Remarks** | **Corrective action upon review** |
|  |  | **Unit - 1** |  |  |  |  |
|  | **27.06.2016** | **Antenna Fundamentals** | **1** | **BB** |  |  |
|  | **28.06.2016** | **Radiation Mechanism** | **1** | **BB** |  |  |
|  | **29.06.2016** | **Antenna Parameters** | **1** | **BB** |  |  |
|  | **30.06.2016** | **Retarded potentials** | **1** | **BB** |  |  |
|  | **04.07.2016** | **Radiation From** | **1** | **BB** |  |  |
|  | **05.07.2016** | **Small Electric Dipole** | **1** | **BB** |  |  |
|  | **06.07.2016** | **Quarterwave Monopole** | **1** | **BB** |  |  |
|  | **07.07.2016** | **Halfwave Dipole** | **1** | **BB** |  |  |
|  | **11.07.2016** | **Current Distributions** | **1** | **BB** |  |  |
|  | **12.07.2016** | **Field & Pattersn of** | **1** | **BB** |  |  |
|  | **13.07.2016** | **Linear Thin-Center FED** | **1** | **BB** |  |  |
|  | **14.07.2016** | **Antenna of Different Log** | **1** | **BB** |  |  |
|  | **18.07.2016** | **Antenna Theorems** | **1** | **BB** |  |  |
|  | **19.07.2016** | **Applicability & Proofs** | **1** | **BB** |  |  |
|  | **20.07.2016** | **Loop Antennas** | **1** | **BB** |  |  |
|  | **21.07.2016** | **Short Dipole** | **1** | **BB** |  |  |
|  | **25.07.2016** | **Short Magnetic Dipole** | **1** | **BB** |  |  |
|  | **26.07.2016** | **Exam on Unit - 1** | **1** |  |  |  |
|  |  |  |  |  |  |  |
|  |  | **Unit - 2** |  |  |  |  |
|  | **27.07.2016** | **Antenna Arrays-Two Element Arrays** |  | **BB** |  |  |
|  | **28.07.2016** | **Principle of Pattern Multiplicaiton** |  | **BB** |  |  |
|  | **01.08.2016** | **Broadside Array** |  | **BB** |  |  |
|  | **02.08.2016** | **Endfire Array** |  | **BB** |  |  |
|  | **03.08.2016** | **EFA With Increased Directivity** |  | **BB** |  |  |
|  | **04.08.2016** | **Derivation of Their Characteristics & Comparision** |  | **BB** |  |  |
|  | **08.08.2016** | **Concept of Scanning Arrays Directivity Relations** |  | **BB** |  |  |
|  |  | **Exam on Unit -2** |  | **BB** |  |  |
|  |  |  |  |  |  |  |
|  |  | **Unit - 3** |  |  |  |  |
|  | **18.08.2016** | **Non-Reasonant Radiators-TWT Radiators-Concerts** |  | **BB** |  |  |
|  | **22.08.2016** | **Long Wire Antennas Fiedld Strength Calculations** |  | **BB** |  |  |
|  | **23.08.2016** | **V-Antenna, Design** |  | **BB** |  |  |
|  | **24.08.2016** | **Rhombic Antenna** |  | **BB** |  |  |
|  | **25.08.2016** | **Helical Antenna Significance, Geometry** |  | **BB** |  |  |
|  | **29.08.2016** | **Exam on Unit-3** |  | **BB** |  |  |
|  |  |  |  |  |  |  |
|  |  | **Unit-4** |  |  |  |  |
|  | **30.08.2016** | **Arrays with Parasitic Elements, Yagi UOA** |  | **BB** |  |  |
|  | **31.08.2016** | **Fooded Dipole** |  | **BB** |  |  |
|  | **01.09.2016** | **Reflector Antennas** |  | **BB** |  |  |
|  | **06.09.2016** | **Types, parabolic** |  | **BB** |  |  |
|  | **07.09.2016** | **Reflectors, Corner** |  | **BB** |  |  |
|  | **08.09.2016** | **Flat Sheet** |  | **BB** |  |  |
|  | **13.09.2016** | **Types of Feed** |  | **BB** |  |  |
|  | **14.09.2016** | **Horn Antenna** |  | **BB** |  |  |
|  | **15.09.2016** | **Lens Antenna** |  | **BB** |  |  |
|  | **19.09.2016** | **Antenna Measuremnt Patterns Required** |  | **BB** |  |  |
|  | **20.09.2016** | **SET-UP Distance Criteria, Directivity & Gain** |  | **BB** |  |  |
|  | **20.09.2016** | **Exam on Unit-4** |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  | **Unit - 5** |  |  |  |  |
|  | **26.09.2016** | **Wave Propagation Ground wave Propagation** |  | **BB** |  |  |
|  | **26.09.2016** | **Wavefkjd, Flat & Earth** |  | **BB** |  |  |
|  | **27.09.2016** | **Considerations** |  | **BB** |  |  |
|  | **28.09.2016** | **Sky Wave Propagation** |  | **BB** |  |  |
|  | **29.09.2016** | **Formation of Inosphere** |  | **BB** |  |  |
|  | **03.10.2016** | **Layer, Optimum Frequency** |  | **BB** |  |  |
|  | **03.10.2016** | **LUHF, Virtual Hieght** |  | **BB** |  |  |
|  | **05.10.2016** | **Inosphere Abnormalise** |  | **BB** |  |  |
|  | **06.10.2016** | **Absorption** |  | **BB** |  |  |
|  | **13.10.2016** | **Fundamenta Equations for Free Space Propagation** |  | **BB** |  |  |
|  | **17.10.2016** | **Basic Transmission Loss Calculations** |  | **BB** |  |  |
|  | **18.10.2016** | **Space Wave Progpation** |  | **BB** |  |  |
|  | **19.10.2016** | **Mechanism, LOS** |  | **BB** |  |  |
|  | **20.10.2016** | **Radio Hrizon, Tropospheric** |  | **BB** |  |  |
|  | **24.10.2016** | **Wave Propagation** |  | **BB** |  |  |
|  | **25.10.2016** | **Radius of Curvature** |  | **BB** |  |  |
|  | **26.10.2016** | **Effective Earth’s Radius** |  | **BB** |  |  |
|  | **27.10.2016** | **M-Curve, Duct propagation** |  | **BB** |  |  |
|  | **31.10..2016** | **Tropospheric Scattering** |  | **BB** |  |  |
|  | **01.11.2016** | **Exam on Unit-5** |  |  |  |  |

**Faculty Name: Smt.R.Kranthi (C-Section)**

**CR: CLASS ROOM OHP: OVERHEAD PROJECTOR LCD**

**FACULTY HEAD OF THE DEPARTMENT**