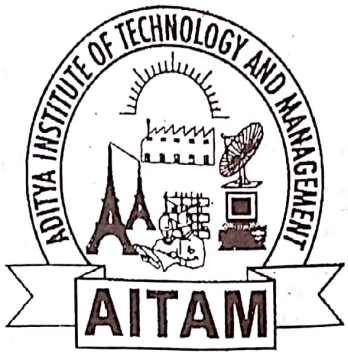
# ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT (AITAM) TEKKALI

(Approved by AICTE, Accredited by NBA Affiliated to JNTU, Kakinada)




## STUDENT ATTENDENCE REGISTER

Name : D. VIJAYA KUMAR

Subject : ECA-I

Class : II - EEE - C

Year : 2014 - 2015

Scanned by CamScanner

# LESSON PLAN

| Period | Date (Tentative) | Topic | Unit No. | Teaching Methodology | Remarks | Corrective Action Upon Review |
|---|---|---|---|---|---|---|
| 1 | 01/09/14 | Introduction to $\lambda$-$\Delta$, $\Delta$-$\lambda$ Transformation | I | Class room (CR) | | |
| 7 | 2/9/14 | problems on the $\lambda$-$\Delta$ transformation. | I | CR | | |
| 3 | 3/9/14 | Introduction to nodal analysis | I | CR | | |
| 7 | 5/9/14 | problems on nodal analysis | I | CR | | |
| 1 | 8/9/14 | Introduction to Mesh Analysis | I | CR | | |
| 7 | 9/9 | problems on Mesh analysis | I | CR | | |
| 3 | 10/9 | problems on super node analysis | I | CR | | |
| 7 | 12/9 | problems on super Mesh analysis | I | CR | | |
| 1 | 15/9 | Introduction to resonance + series resonance, parallel resonance | I | CR | | |
| 7 | 16/9 | problems on series and parallel resonance | I | CR | | |
| 3 | 17/9 | Introduction to series RL, RC Locus diagrams | I | CR | | |
| 7 | 19/9 | RLC locus diagrams both parallel & series | I | CR | | |
| 1 | 22/9 | Introduction to different terms used in graph theory | II | CR | | |
| 7 | 23/9 | Basic Tieset matrix and problems | II | CR | | |
| 3 | 24/9 | Basic incidence matrix and problems, cut set matrix | II | CR | | |
| 7 | 26/9 | loop methods of analysis of networks | II | CR | | |
| 1 | 27/9 | nodal methods of analysis of networks | II | CR | | |
| 7 | 4/10 | problems using nodal and mesh analysis for dependent sources | II | CR | | |
| 3 | 6/10 | Introduction to Dual networks | II | CR | | |
| 7 | 7/10 | problems on dual networks | II | CR | | |

Scanned by CamScanner

# LESSON PLAN

| Period | Date (Tentative) | Topic | Unit No. | Teaching Methodology | Remarks | Corrective Action Upon Review |
|---|---|---|---|---|---|---|
| 1 | 9/10/14 | Introduction of Superposition theorem | III | CR | | |
| 7 | 27/10/14 | problems on superposition theorem for DC circuits | III | CR | | |
| 3 | 28/10 | problems on superposition theorem with dependent sources | III | CR | | |
| 7 | 29/10 | problem on superposition theorem for AC circuits | III | CR | | |
| 1 | 31/10 | Thevenin's theorem and problems | III | CR | | |
| 7 | 3/11 | Thevenin's theorem and problems on dependent sources | III | CR | | |
| 3 | 5/11 | Thevenin's theorem for ac circuits | III | CR | | |
| 7 | 7/11 | Norton's theorem for DC circuits and problems | III | CR | | |
| 1 | 10/11 | Norton's theorem for problems having dependent source | III | CR | | |
| 7 | 11/11 | norton's theorem for AC circuits | III | CR | | |
| 3 | 12/11 | Reciprocity theorem for DC circuits & problems | IV | CR | | |
| 7 | 14/11 | Reciprocity theorem for AC circuits. | IV | CR | | |
| 1 | 17/11 | Maximum power transfer theorem for DC circuits | IV | CR | | |
| 7 | 19/11 | Maximum power transfer theorem for AC circuits | IV | CR | | |
| 3 | 21/11 | Maximum power transfer theorem for dependent sources | IV | CR | | |
| 7 | 22/11 | problems on Maximum power transfer theorem | IV | CR | | |
| 1 | 26/11 | Compensation theorem | IV | CR | | |
| 7 | 28/11 | problems on compensation theorem | IV | CR | | |
| 3 | 30/11 | problems on Maximum power and compensation theorem. | IV | CR | | |
| 7 | 1/12 | Millman's theorem | IV | CR | | |

Scanned by CamScanner

# LESSON PLAN

| Period | Date (Tentative) | Topic | Unit No | Teaching Methodology | Remarks | Corrective Action Upon Review |
|---|---|---|---|---|---|---|
| 1 | 2/12 | Problems on Millman's theorem for DC circuits | IV | CR | | |
| 7 | 8/12 | problems on millman's theorem for AC circuits | IV | CR | | |
| 3 | 11/12 | Problems on Tellegen's theorem for DC circuits | IV | CR | | |
| 7 | 12/12 | Problems on Tellegen's theorem for AC circuits. | IV | CR | | |
| 1 | 15/12 | Z - paramaters, problems and its T - network | V | CR | | |
| 7 | 16/12 | Z - parameters problems with dependent sources | V | CR | | |
| 3 | 17/12 | Y - parameters, problems and it's $\pi$ - network | V | CR | | |
| 7 | 19/12 | ABCD parameters and its problems | V | CR | | |
| 1 | 22/12 | hybrid parameters and its problems | V | CR | | |
| 7 | 23/12 | Relation ship between various parameters derivation | V | CR | | |
| 3 | 24/12 | Series two-port networks and problems | V | CR | | |
| 7 | 29/12 | parallel two-port networks and problems | V | CR | | |
| 1 | 30/12 | Cascade connection of two-port networks and problems | V | CR | | |
| 7 | 31/12 | Inverse transmission line parameters | V | CR | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Scanned by CamScanner