**Lesson Plan**

**Name of Faculty : Ms.Poonam, Assistant Professor of ECE**

**Discipline : ECE**

**Semester : 3rd**

**Subject : NAS lab**

**Lesson Plan Duration : 15 weeks**

**Work Load (Lecture/Practical) per week (in hours): Practical-02 hours**

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| **Week** | **Practical**  |
| **Practical Day** | **Topics/ Programs** |  **Actual covered**  |
| 1st | 1 | Transient Response of RC circuit |  |
| 2nd | 2 | Transient Response of Rl circuit |  |
| 3rd | 3 | To find the resonance frequency, Bandwidth of RLC series circuit |  |
| 4th | 4 | To calculate and verify z parameters of two port network |  |
| 5th | 5 | To calculate and verify y parameters of two port network |  |
| 6th | 6 | Internal 1st viva – voce |  |
| 7th |  | **1st Minor Test** |
| 8th | 7 | To calculate and verify ABCD parameters of two port network |  |
| 9th | 8 | To calculate and verify H parameters of two port network |  |
| 10th | 9 | To determine equivalent parameter of parallel connections of two port network |  |
| 11th | 10 | To plot the frequency response of LPF and determine half power freq |  |
| 12th | 11 | To plot the frequency response of HPF and determine half power freq |  |
| 13th | 12 | Toplot the frequency response of BPF and determine tha bandwidth |  |
| 14th |  | **2nd Minor Test** |
| 15th | 13 | To synthesise a network of a given network function and verify its response |  |