Lesson Plan

Name of faculty : HANUMAN

Discipline : Electrical Engineering

Semester : 7th

Subject : CIRCUIT SIMULATION LAB (ET-425-E)

Lesson plan duration : 15 weeks

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| **Week** | **Experiment Planned** | **Actually performed on (date)** |
| **Lecture** **Day** |  | Date  | HOD Sign.  | Director-Principal |
| 1st | 1 | Design of Low pass filter with a cut frequency of 10 KHz and gain=2 |  |  |  |
| 2nd | 2 | Design a Band Pass filter with lower cut of frequency=1 KHz and upper cut of frequency =2 KHz and gain=2 |  |  |  |
| 3rd | 3 | Design a High pass filter with a cut of frequency=10 KHz and gain=2 |  |  |  |
| 4th | 4 | Design a positive and negative clipper using op amp 741 |  |  |  |
| 5th | 5 | Design a positive and negative clamper using op amp 741 |  |  |  |
| 6th |  | **1st internal viva** |  |  |  |
| **7th** |  | **1st Sessionals**  |  |
| 8th | 7 | Design a practical integrator with a frequency of 2 KHz |  |  |  |
| 9th | 8 | Design a practical differentiator with a frequency of 4 KHz |  |  |  |
| 10th | 9 | Design a square wave generator with frequency 0f 2 KHz |  |  |  |
| 11th | 10 | Design a Wein bridge oscillator with frequency of 1 KHz |  |  |  |
| 12th | 11 | Design a phase shift oscillator with frequency of 1 KHz |  |  |  |
| 13th | 12 | To study RLC series resonance |  |  |  |
| **14th** |  | **2nd Sessionals**  |  |
| 15th |  | **2nd internal viva** |  |  |  |