**Lesson Plan**

Name of faculty : Mr. Surender

Discipline : Electrical Engineering

Semester : 4th

Subject : Power System-1 Lab (EE-204P)

Lesson plan duration : 15 weeks

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| Week | Practical | |
|  | Practical  Day | Topic |
| 1st | 1 | To measure the dielectric strength of transformer oil. |
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| 2nd | 2 | To find string efficiency of string insulator.   * 1. Without guard ring.   2. With guard ring |
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| 3rd | 3 | To measure ABCD parameters of transmission line. |
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| 4th | 4 | To plot power angle characteristics of transmission line. |
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| 5th | 5 | Parallel operation of two alternator. |
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| 6th | 6 | To create unbalanced voltage system and to measure the sequence voltage by Segregating network. |
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| **7th** | **Minor Test** | |
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| 8th | 7 | Viva-Voice 1st |
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| 9th | 8 | To study the characteristics of differential relay. |
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| 10th | 9 | Testing and calibration of energy meter. |
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| 11th | 10 | To study the characteristics of transmission line represented by :   * 1. T-Network :   2. Pie-Network |
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| 12th | 11 | To plot the characteristics of IDMT static relay. |
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| 13th | 12 | Testing of current transformer. |
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| 14th | **Minor Test** | |
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| 15th | 13 | Viva-Voice – 2nd. |
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Surender Chahal

Guest Faculty (Electrical Engg.)