

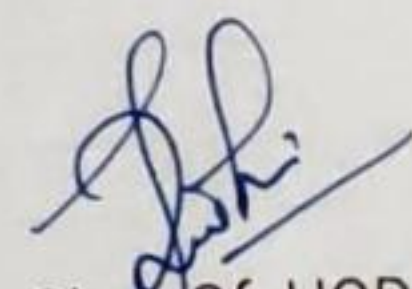


**GOVERNMENT POLYTECHNIC, KORAPUT**  
**DEPARTMENT OF ELECTRICAL ENGINEERING**

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|--|---|---|
| Discipline:<br><b>ELECTRICAL ENGG</b>            | Semester:<br><b>3RD</b>                       | Name of the Teaching Faculty: <b>B. Sai Santosh.</b>  |
| Subject:<br>ELEMENT OF ENGG LAB<br><b>ME LAB</b> | No. of days/per week class allotted: <b>3</b> | Semester From date: _____ To Date: _____<br><br>No. of Weeks: <b>15</b>   |
| <b>Week</b>                                      | <b>Class Day</b>                              | <b>Theory/Practical Topics</b>  |
| <b>1<sup>ST</sup></b>                            | 1-3   | Determination of M.A.,V.R. and efficiency of Screw Jack   |
| <b>2<sup>ND</sup></b>                            | 1-3   | Determination of friction co-efficient of bearing   |
| <b>3<sup>RD</sup></b>                            | 1-3   | Determination of Young's modulus by Searle's Apparatus  |
| <b>4<sup>TH</sup></b>                            | 1-3   | Determination of M.A.,V.R. and efficiency of wheel train  |
| <b>5<sup>TH</sup></b>                            | 1-3   | Determination of Bending stress in beam using strain gauge  |
| <b>6<sup>TH</sup></b>                            | 1-3   | Study of Universal Testing Machine and determination of tensile stress and Young's module of M.S specification. |
| <b>7<sup>TH</sup></b>                            | 1-3   | Study of pressure measuring devices   |
| <b>8<sup>TH</sup></b>                            | 1-3   | Study of venturi meter  |
| <b>9<sup>TH</sup></b>                            | 1-3   | Verification of Bernoulli's theorem   |
| <b>10<sup>TH</sup></b>                           | 1-3   | Model study of pumps.<br>Model study of turbines  |
| <b>11<sup>TH</sup></b>                           | 1-3   |   |

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| 12 <sup>TH</sup> | 1-3 | Study of Cochran boiler                |
| 13 <sup>TH</sup> | 1-3 | Study & demonstration of steam engine  |
| 14 <sup>TH</sup> | 1-3 | Study & demonstration of diesel engine |
| 15 <sup>TH</sup> | 1-3 | Study & demonstration of petrol engine |

B. Sai Santosh,  
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concerned

  
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