

**DEMO TOPICS FOR DIPLOMA PROGRAMME FOR EVEN TERM 2018-19**

| <b>SL. NO.</b> | <b>FACULTY</b>                                | <b>DIPLOMA TOPICS</b>   |
|----------------|---|---|
| 1.             | ELECTRICAL<br>ENGINEERING (EE)                | <u>THEORY</u><br><ol style="list-style-type: none"><li>1. MESH /Nodal Analysis</li><li>2. A.C .fundamentals</li><li>3. R-L-C series circuit and series resonance</li><li>4. Measurement of single phase power using Dynameters type wattmeter.</li><li>5. Construction and working Principle of Transformer.</li></ol>        |
| 2.             | ELECTRONICS &<br>COMMUNICATION<br>ENGINEERING | <u>THEORY</u><br><ol style="list-style-type: none"><li>1. Explain classification of control system.</li><li>2. Explain the architecture of 8051 microcontroller.</li><li>3. Explain the working principle of push pull amplifier.</li><li>4. Explain the design and working principle of 4-bit synchronous counter.</li></ol> |