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| **G.P. Chhapar, Charkhi Dadri****Electrical Engineering Department****Lesson Plan** |
| **Name of the Faculty** | **Mrs. Mukesh** |
| **Discipline** | **Electrical engineering** |
| **Semester** | **3rd** |
| **Subject** | **Computer Applications in Electrical Engineering** |
| **Lesson Plan Duration** | **W.E.F. 15/09/2022 to 16/01/2023** |
| **Work Load (Theory/Practical) per week/3hours**  | **(Theory 00 / Practical 03) , Day (Group1+group2)** |
| **Week** |  **Day** | **Practical** |
| **1** | **1**  | **Unit -1 Introduction MATLAB and SCILAB****MATLAB Programming – input/output** |
| **2** |
| **2** | **1** | **Types of graphs, functions,** |
| **2** |
| **3** | **1** | **Loops, structures** |
| **2** |
| **4** | **1** | **MATLAB Simulink.** |
| **2** |
| **5** | **1** | **Programming and simulation examples and solution** |
| **2** |
| **6** | **1** | **Assignment /Revision/File check** |
| **2** |
| **7** | **1** | **Mid-term viva-voice evaluation** |
| **2** |
| **8** | **1** | **Unit -2: Introduction to LABVIEW** |
| **2** |
| **9** | **1** | **Graphical Programming using LabVIEW including creation of VIs, sub VIs** |
| **2** |
| **10** | **1** | **structures, arrays, clusters, charts and graphs, strings, File I/Os** |
| **2** |
| **11** | **1** | **Practice on NI ELVIS and other DAQ hardware** |
| **2** |
| **12** | **1** | **Assignment /Revision/ File check** |
| **2** |
| **13** | **1** | **Mid-term viva-voice evaluation** |
| **2** |
| **14** | **1** | **Unit3: Utility of EPLAN software** |
| **2** |
| **15** | **1** | **Assignment /Revision/ File check** |
| **2** |
| **16** | **1** | **Internal Practical** |
| **2** |