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| **Lesson Plan** |
| **Name of the Faculty** | Pency |
| **Discipline** | Electrical engineering |
| **Semester** | 3rd |
| **Subject** | Computer Applications in Electrical Installations |
| **Work Load (Practical)**  | 02 |
| **Week** | **Practical** |
|  **Day** | **Topic** |
| 1 | Day1  | Unit -1 Introduction MATLAB and SCILABMATLAB Programming – input/output |
| Day2 |
| 2 | Day1  | Types of graphs, functions, |
| Day2 |
| 3 | Day1  | Loops, structures |
| Day2 |
| 4 | Day1  | MATLAB Simulink. |
| Day2 |
| 5 | Day1  | Programming and simulation examples and solution |
| Day2 |
| 6 | Day1  | Assignment /Revision/File check |
| Day2 |
| 7 | Day1  | Mid-term viva-voice evaluation |
| Day2 |
| 8 | Day1  | Unit -2: Introduction to LABVIEW |
| Day2 |
| 9 | Day1  | Graphical Programming using LabVIEW including creation of VIs, sub VIs |
| Day2 |
| 10 | Day1  | structures, arrays, clusters, charts and graphs, strings, File I/Os |
| Day2 |
| 11 | Day1  | Practice on NI ELVIS and other DAQ hardware |
| Day2 |
| 12 | Day1  | Assignment /Revision/ File check |
| Day2 |
| 13 | Day1  | Mid-term viva-voice evaluation |
| Day2 |
| 14 | Day1  | Unit3: Utility of EPLAN software |
| Day2 |
| 15 | Day1  | Assignment /Revision/ File check |
| Day2 |