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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 SCILAB  MATLAB 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 |