# Govt. Polytechnic Panchkula

## Electrical Engineering Department

### Lesson Plan

| Name of the Faculty | Visiting Faculty |
|---|---|
| Discipline | Electrical engineering |
| Semester | 3rd |
| Subject | Computer Applications in Electrical Installation |
| Lesson Plan Duration | From Sep 2020 to Dec 2020 |
| Workload (Theory/Practical) per week/3hours | (Theory 00 / Practical 02), Day (Group1+group2) |

| Week | Day | Practical |
|---|---|---|
| 1 | 1 | Unit -1 Introduction MATLAB and SCILAB |
| | 2 | MATLAB Programming – input/output |
| 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 |
| | 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 |
| | 2 | |
| 13 | 1 | Mid-term viva-voice evaluation |
| | 2 | |
| 14 | 1 | Unit3: Utility of EPLAN software |
| | 2 | |
| 15 | 1 | Assignment /Revision |
| | 2 | |
| 16 | 1 | Internal Practical viva |
| | 2 | |