Name of faculty : Mr. Surender Discipline : Computer Engineering

Subject : Fundamentals of Information Technology Lesson plan : 1st Semester

Duration : 16 weeks

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| **Week(s)** |  | **List of Practical(s)** |
| **Practical Group(s)** | **Topic(s) performed during Lab hours** |
| 1 | G1, G2 | Browser features, browsing, using various search engines, writing search queries such as navigational, informational, and educational queries. |
| 2 | G1, G2 | Visit various e-governance/Digital India portals; understand their features,services offered. |
| 3 | G1, G2 | Read Wikipedia pages on computer hardware components, look at those components in lab, identify them, recognize variousports/interfaces and related cables, etc. |
| 4 | G1, G2 | Using Administrative Tools/Control Panel Settings of Operating Systems |
| 5 | G1, G2 | Connect various peripherals (printer, scanner, etc.) to computer; explore various features of peripheral  and their device driver software, Explore features of Open Office tools and MS-Office, create documents |
| 6 | G1, G2 | Viva 1 and Practice |
| 7 | G1, G2 | Create presentation, create spread sheet, using these features, do it multiple |
| 8 | G1, G2 | Working with Conversion Software like pdfToWord, WordToPPT, etc. |
| 9 | G1, G2 | Working with Mobile Applications – Searching for Authentic Mobile app, Installation and Settings, Govt. of India Mobile Applications |
| 10 | G1, G2 | Viva 2 and |
| 11 | G1, G2 | Practice Creating email id, sending and receiving mails with attachments, Using Google drive, Google calendar |
| 12 | G1, G2 | Create Flow chart and Algorithm for the following:  A. Swap Two Numbers (PRACTICE) B. Find the smallest of two numbers (PRACTICE)  C. Find whether given number is Even or Odd D. To print first n even Numbers (PRACTICE) |
| 13 | G1, G2 | Create Flow chart and Algorithm for the following  A. Addition of n numbers and display result (LAB) B. To convert temperature from Celsius to Fahrenheit (LAB)  C. Find sum of series 1+2+3+…..+N  D. Print multiplication Table of a number (PRACTICE) |
| 14 | G1, G2 | A. Find whether given number is Prime or not B. To find Area and Perimeter of Square(PRACTICE)  C. Factorial of number n ( n!=1x2x3x…n) D. Armstrong Number |
| 15 | G1, G2 | Viva 3 and PRACTICE |
| 16 | G1,G2 | IMPLEMENTATION TEST |