

# Syllabus

Subject: Computer Science

Class: 10<sup>th</sup>

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| CS-201 | <b>Digital Literacy (Advanced):</b><br>Handling of Over head Projectors, Digital Screens (LED, LCD and plasma), and Digital graphic plotters, Different type of Printers, Fax Machines, and Speakers etc.  |
| CS-202 | <b>Network and Internet Concepts:</b><br>Introduction to Network, Classification of Networking (LAN, MAN, WAN, PAN), Differences of Networks.<br>Introduction to internet, History of Internet, Types of Web Browsers-Internet explorer, Google chrome, Opera, Mozilla Firefox and browsing internet through various search engines such as Google, Yahoo, Bing etc. E-mail.   |
| CS-203 | <b>Digital Documentation- Word Processing (Advanced) :</b><br>MS-Word: Introduction to Word Processor, Creating, Saving, Opening and Print & Print Preview, Closing of Document. Inserting word art , clip art and pictures , pages setting, Super Script and Sub Script, Inserting Symbols Bullets and Numbering , border and shading , format painter , Find and Replace , inserting table, inserting , deleting , rows and column , merging cells , splitting cells using auto format, mail merge.  |
| CS-204 | <b>Digital Data Tabulation-Spreadsheet :</b><br>MS-Excel: Introduction and Concepts of Spread Sheet and Workbook. Creating, Saving, Opening and Print & Print Preview, Closing of Spreadsheet. Entering Numbers, Text, Date and Time, Series using Auto fill, Editing and formatting of Worksheet including changing color ,size, font, alignment of text, inserting and deleting cells, Row and columns , entering formula in cell using operator (+,-,x,/) etc. Relative referencing , absolute referencing and mixed referencing, using statistical functions :<br>SUM(), AVG(), MAX(), MIN(), IF() with compound statements, inserting tables in worksheet , embedding charts of various types (Lines , pie , bar, column, area) in worksheet , using macros in worksheet. |
| CS-205 | <b>Practical or Project Work (10% of 200Hrs.)</b>  |

### DISTRIBUTION OF TIME/PERIODS

| Module Code  | Name of Unit                        | Theory Hours | Practical Hours | Total Hours |
|--------------|-------------------------------------|--------------|-----------------|-------------|
| CS – 201     | Digital Literacy (Advanced)         | 07           | 08              | 15          |
| CS – 202     | Network and Internet Concepts       | 08           | 12              | 20          |
| CS – 203     | Digital Documentation (Advanced)    | 10           | 16              | 26          |
| CS – 204     | Digital Data Tabulation-Spreadsheet | 15           | 24              | 39          |
| CS – 205     | Practical/Project Work              | 0            | 15              | 15          |
| <b>Total</b> |                                     | <b>40</b>    | <b>75</b>       | <b>115</b>  |

### DISTRIBUTION OF MARKS

| Unit                               | Theory    | Practical | INA       | Total      |
|------------------------------------|-----------|-----------|-----------|------------|
| CS-201                             | 06        | --        | --        | 06         |
| CS-202                             | 08        | 12        | --        | 20         |
| CS-203                             | 12        | 20        | --        | 32         |
| CS-204                             | 09        | 08        | --        | 17         |
| CS-205<br>(Practical/Project Work) | --        | 05        | --        | 05         |
| Viva Voce                          | --        | 05        | --        | 05         |
| INA                                | --        | --        | 15        | 15         |
| <b>TOTAL</b>                       | <b>35</b> | <b>50</b> | <b>15</b> | <b>100</b> |