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|  SUBJECT: IT | **SYLLABUS FOR THE ACADEMIC YEAR 2021-2022** |
|  OPTION:  |
|  GRADE: 10 |
| Month  | Date | No.of days | Topics | Sub Topics | Lead |
|
| April |  11-15 | 5 | CHAPTER 1 : THE WORLD OF DESIGNING | Raster and Vector image files |   |
| 18-22 | 5 | CHAPTER 1 : THE WORLD OF DESIGNING | Introduction to Inkscape softwareComponents of Inkscape opening windowDesigning a simple Logo in Inkscape Vector Image Editor  |
|  25-29  | 5 | CHAPTER 1 : THE WORLD OF DESIGNING | Creating a basic Logo using Inkscape softwarepng and svg format of images |
| May |  2-6 | 5 | CHAPTER 1 : THE WORLD OF DESIGNING | Tracing a bitmap image using Inkscape softwareWrapping the text around a circle in InkscapeApplying select and Transform tools in Inkscape |
|  9-13 | 2 | Chapter 2 : Publishing | Introduction to Libre Office Suite and Applying Clone formatting toolModifying styles of the textCreating index table in Libre Office Writer |
|  16-20 | 5 | Chapter 3: Attractive Web Designing | Web Pages and Cascading Style SheetsFamiliarising different stylesApplying cascading style to heading tagFormatting paragraph tags |
|  23-27 | 5 | Chapter 3: Attractive Web Designing | Modifying page background and heading of the backgroundDifferences while using cascading styleHTML EditorsWCMS |
|  30-31 | 2 | Chapter 4 : Python Graphics | Drawing simple geometric shapes using Python IDLE |
| June |  1-3 | 3 | Chapter 4 : Python Graphics | Constructing pattern with geometric shapes using nested loopPython codes for giving colours to geometric shapes |
|  6-10 | 5 | Chapter 4 : Python Graphics | Filling colours in geometric shapes using Python codes |
|  13- 17 | 5 | ***First Term Examination*** |
| 20-24 | 5 | ***First Term Examination*** |
| 27-30 | 4 | Chapter 5 : Networking | Types of Computer Networks, Diagram of computer networks |
| August | 29-31 | 3 | Chapter 5 : Networking | UTP cable, RJ 45 connector,Hub & switch, Modem, WiFi , LiFi & Blutooth |
| September |  1-2 | 2 | Chapter 5 : Networking | Internet Protocols,Determining IP address, |
|  5-9 | 5 | Chapter 5 : Networking | Sharing devices among network, Grid computing, cloud computing |
|  12-16 | 5 | Chapter 6 : Map Reading | Introduction to Sunclock software,Sunclock menu |
| 19- 23 | 5 | Chapter 6 : Map Reading | Earth's Surface On MapsQGIS |
| 26- 30 | 5 | Chapter 7 : The Working of Internet |  Technology of Internet |
| October |  3-7 | 5 | Chapter 7 : The Working of Internet | Web Services |
| 10 14 | 5 | Chapter 8 : Database-An Introduction | Introduction to Database and DBMS, Building the tables in database using Libre Office Base in Ubuntu |
| 17 -21 | 4 | Chapter 8 : Database-An Introduction | Field types in the database, Data Entry, Queries,Reports |
| 24-28 | 5 | Chapter 9 : Moving Images | Animation, various stages in producing an animation film, Storyboard |
| November |  1- 4 | 4 | Chapter 9 : Moving Images | Tools in Synfig Studio, Layers Panel, Create animations in Synfig Studio |
|  7-11 | 5 | ***Second Term Examination*** |
|  14- 18 | 5 | ***Second Term Examination*** |
| 21-25 | 5 | Chapter 10 : Operating Systems | Uses of Application software,different operating systems,Different File systems |
| 28-30 | 3 | Chapter 10 : Operating Systems | Hard disk partitions, Computer Users, Kernels of operating system |
| December |  5-9 | 5 | Chapter 10 : Operating Systems | ,Mobile operating systems |
| January |  2-6  | 5 | Practical |   |
|  9-13 | 5 | Practical |   |
| 16-20 | 5 | ***Premodel Examination*** |
| 23-27 | 4 | ***Premodel Examination*** |
| 30-31 | 2 | ***Revision*** |
| February |  1-3 | 3 | ***Revision*** |
|  6-10 | 5 | ***Revision*** |
|  13-17 | 4 | ***S.S.L.C Model Examination*** |
|  20-24 | 5 | ***S.S.L.C Model Examination*** |
|  27-28 | 2 | ***Study holidays*** |
| March |  1-3 | 3 | ***Study holidays*** |
|  6-10 | 5 | ***S.S.L.C Board Examination*** |
|  13-17 | 5 | ***S.S.L.C Board Examination*** |