**BrainwebSkills @ Campus**

**Skill & Career Orientation Programmes for Employability (SCOPE)**

| Fundamentals of Computers Studies | Mode | Duration | Objective & Eligibility |
|---|---|---|---|
| Computer Fundamentals | Online/Offline | 100 hrs | To familiarize students with the basic concepts of Computer Science and prepare them for advance skill enhancement in the field of computer.<br><br>Students who have ambitions to build a career on computer science & applications must have this preliminary knowledge.<br><br>Any person with/without preliminary knowledge of computer can opt for this course. |
| Computer Ethics & Etiquette | Online/Offline | | |
| Basic idea of Computer Viruses | Online/Offline | | |
| Number System (Binary Number System & Basic Logic Gates) | Online/Offline | | |
| Basic Operating Systems : Windows | Online/Offline | | |
| Basic Office Applications: Word Editor, Spreadsheet & Presentation | Offline | | |
| Internet Browsing , E-mailing & E-Commerce | Offline | | |
| OS Installation & Simple Trouble Shooting | Offline/Online | | |
| Basic Concept of AI and Uses of Mobile Application | Offline/Online | | |
| How to Structure your programming logic : Algorithm & Flow Chart | Online | | |
| Create your own programs through QBASIC | Online/Offline | | |
| Coding through SCRATCH | Offline | | |
| CV making, Form Fill up , Using payment Gateway, Cloud Storage using , Basic Concept of Mobile computing | Online/Offline | | |
| Basic Concept of Cyber Security | Online/Offline | | |

| Basic Applications of Computer | | Duration | Objective & Eligibility |
| --- | --- | --- | --- |
| Operating System & its Utilities ( Windows environment) | Offline/Online | **60 hrs** | This course is designed to prepare students job-ready with application level knowledge of computer.<br><br>Ideally suited for any person need to be conversant with daily usage & activities of computers without in-depth knowledge of computer science.<br><br>Any person with/without minimum level knowledge on computer may opt for this course. |
| Office Applications: Word Editor, Presentation & Spreadsheet. | Offline | | |
| Concept of database using MS Access | Offline/Online | | |
| Graphics & Multimedia: Editing Vector images, Editing raster images, editing audio & video files. | Offline/Online | | |
| Internet Browsing , E-mailing & E-Commerce | Offline | | |
| Using Google Apps & other Mobile Application ( Android environment) | Offline | | |
| CV making, Form Fill up , Using payment Gateway, Cloud Storage using , Basic Concept of Mobile computing | Offline | | |
| Simple troubleshooting of Home PC | Offline | | |
| Basic Concept of Cyber Security | Offline/Online | | |

| Mastering Graphics & Images | Mode | Duration | Objective & Eligibility |
| --- | --- | --- | --- |
| Concept of Graphics & Images | Offline/Online | **80 hrs** | Students having visual creativities, wanting to work on content creations & multimedia in future can opt for this course.<br>Graphics experts are always in demand in industrial sector and even they may work on their own terms.<br>Any person having preliminary knowledge on computer applications can opt for this course. |
| Graphics Systems, Input-Output Devices | Offline/Online | | |
| Familiarities with Graphics & Image Tools of MS-Paint | Offline/Online | | |
| Photoshop | Offline | | |
| Corel Draw | Offline | | |

| Foundation Skills on Computer Programming | Mode | Duration | Objective & Eligibility |
|---|---|---|---|
| Programming Language C (Conditional Statement, Loop, Array, Pointers, Structure and Union etc.) | Online/Offline | **100 hrs** | To be a software developer or programmer in future this is the foundation course.<br><br>Most prestigious and financially rewarding career in the field of Computer Science comes with expertise on computer programming.<br><br>Any person having fundamental concepts of computer science may opt for this course. |
| OOPs Concept : Basic Concept of C++ | Online/Offline | | |

| Advance Programming using JAVA | Mode | Duration | Objective & Eligibility |
|---|---|---|---|
| Core Java, Java Servlet, JSP | Offline/Online | **100 hrs** | Students opting for computer developer & programmer as a future career must have knowledge on JAVA.<br>Today one of the most popular languages in industry is JAVA. Competency on this language may be your key to a successful career.<br>Students having foundational knowledge on computer programming may get enrolled in this course. |
| MVC framework : Struts , Spring | Offline/Online | | |
| Projects | Offline/Online | | |

| Advance Programming using Python 3.0 | Mode | Duration | Objective & Eligibility |
|---|---|---|---|
| Python : Comments, Variables , Data types, Numbers, Casting , Strings, Operators, Lists, Tuples, Sets, Dictionaries, Functions, lambda , Array | Online / Offline | 80 hrs | Today, Python is very high in demand and all the major companies are looking for great Python Programmers to develop websites, software components, and applications or to work with Data Science, AI, and ML technologies. |
| Python Modules: Numpy, Pandas, Scipy, Matplotlib | Offline | | |
| Data Mining | Online / Offline | | Students having foundation skills of computer programming may opt for this course. |

| Basic Skills of PC Maintenance | Mode | Duration | Objective & Eligibility |
|---|---|---|---|
| Introduction to PC Hardware | Offline/Online | 80 hrs | These skill sets are necessary for students aspiring to make hardware & pc maintenance as their future career. Students having preliminary knowledge of computer may enroll themselves for this course. |
| OS Installation | Offline | | |
| BIOS Configuration | Offline/Online | | |
| Installing Device Drivers | Offline | | |
| Managing Hard Disk | Offline | | |
| Printer Installation | Offline | | |
| Diagnostic & Trouble Shooting PC | Offline/Online | | |
| Maintenance of PC | Offline/Online | | |

| Web Development through PHP and Java Script | Mode | Duration | Objective & Eligibility |
|---|---|---|---|
| Front End Development using HTML, Java Script & CSS | Offline/Online | 100 hrs | Students after completion of this course may have their career as a web developer or designers. To get complete accomplishments they should also get to know the Photoshop & JAVA. This is one of the most sought after career in industry today. Students having foundational knowledge on computer programming can opt for this career. |
| Back End Web Development using PHP & MySQL | Offline/Online | | |

| TALLY with ERP 9.0 | Mode | Duration | Objective & Eligibility |
|---|---|---|---|
| Introduction to Tally | Offline/Online | 100 hours | This course has been designed to help beginners pursuing education in financial accounting or business management. Anyone conversant with basic accounting & analytical skills along with fundamental knowledge in computer may enrol themselves for this course. |
| Stock & Godown | Offline/Online | | |
| Ledger,Voucher,Order,Invoice | Offline/Online | | |
| Reports in Tally ERP 9.0 | Offline/Online | | |
| Payroll | Offline/Online | | |
| Taxation | Offline/Online | | |
| Important Features of Tally ERP 9.0 | Offline/Online | | |