SUBJECT: UNDERGRADUATE COURSE CURRICULUM 2022-23

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| **PART-A: Introduction** |
| **Program: *Certificate* *Course*** | Class: **B. Sc. Semester-I** | Year:**2022** | Session:**2022-2023** |
| **1** | Course Code | **CSSEC – 1** |
| **2** | Course Title | **WEB DESIGNING**  |
| **3** | Course Type | **Skill Enhancement Course (SEC)** |
| **4** | Pre-requisite(if, any) | As per Government norms / Institutional scheme |
| **5** | Course Learning. Outcomes **(CLO)** | ***After completion of this course, the students will be able to:**** Understand computer network and Internet.
* To get familiarize with internet tools.
* Understand design principles and issues for effective web design.
* Design web pages.
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| **6** | Credit Value | **02** (01 Theory & 01 Practical) (Credit = 15 Hours Teaching-learning for Theory & 30 Hrs. for Practical work) |
| **7** | Total Marks | Max. Marks: 50 | **Min Passing Marks:**  |
| **PART -B: Content of the Course** |
| **Total No. of Teaching-Learning Hours – 15 Theory + 30 Practical’s** |
| **Unit** | **Topics (Course contents): Theoretical learning** | **No. of Hours** |
| **I** | **Introduction to Computer Network and Internet:**Computer Network Basics – LAN, WAN, Topologies, IP Address, Domain Name, Protocol, TCP/IP Basics, HTTP, FTP, SMTP, Concept of Client/Server Model.Internet Basics – Concept of Internet, Connectivity types, ISP, E-mail, www. | **5** |
| **II** | **Fundamentals of Web Designing**Planning a website-content, Graphics, Structuring and Navigation, Advertisements/popups. Design Principles and Issues – Usability, Loading time, color Schemes, Font choices, Image choices, Browser Compatibility. | **5** |
| **III** | **Web Designing Tools and Technologies**Website and Webpage, Hyperlink, Web Browser, Web Server, URL, Types of Websites (Static/Dynamic), Search Engine. Introduction of various Web Tools – Frontpage, Dreamweaver, Photoshop, Flash. Concept of Client-Side Scripting and Server-Side Scripting. Introduction to various Web Technologies. | **5** |
| **Topics (Course contents): Practical learning** |
| **IV** | ***After completion of this course, the students will be able to:**** Get familiar with services provided by internet.
* Get familiar with internet services and electronic mailing.
* Use web search engines and web browsers.
* Work with web tools.
* Design web pages.
* Using editing tools.
 | **30** |
| ***keywords*** | ***Internet, Web Designing, Web Development, Web Designing tools.*** |

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| **PART–C (CSSEC – 1)** |
|  **Learning Resources: Text Books, Reference Books and Others** |
| **Text books:*** Internet and Internet Engineering”, Daniel Minoli, TMH (Latest Edition)
* HTML The Definite Guide”, Chuckmusiano & Bill Kenndy, O Reilly (Latest Edition)
* Dynamic HTML”, Joseph Schmuller, BPB, 2000.

**Reference Books:*** The complete Reference By Thomos A. Powell ,TMH publication(5th Edition)
* Web Technology: A Developers Perspective ,N.P.Gopalan ,J.Akilandeswani,PHI Publication.
* Web Technology: A Developments Perspective , N.P. Gopalan, J. Akilandeswari, PHI

**Online Resources / e-learning resources:*** <https://diksha.gov.in/cbse/play/collection/do_313109215407038464184?contentType=TextBook>
* <https://ndl.iitkgp.ac.in/>
* <https://onlinecourses.swayam2.ac.in/nou22_cs11>
* <https://nptel.ac.in/courses>
* <https://cec.nic.in/cec/moocsug>
* [eSkillIndia- eLearning Aggregator from NSDC](https://eskillindia.org/Course/course_detail/basic-web-development-eng)
* <https://spoken-tutorial.org/>
* <http://epathshala.nic.in>
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| **PART - D: Assessment and Evaluation** |
| **Suggested Continuous Evaluation Methods:****Maximum Marks: 50 Marks****Continuous Comprehensive Evaluation (CCE): 10 Marks Semester End Exam (SEE): 40 Marks** |
| **Internal Assessment:** Continuous ComprehensiveEvaluation (CCE) | Class Test -02 of 10 Marks each Assignment – 01 of 10 Marks | Average of the marks obtained in both test and assignment shall be considered against 10 Marks. |
| **Semester End Exam (SEE):** | Paper – **Two section – A & B**Section A: Objective and Short answer type questions – **10 \* 01 = 10 Marks**Section B: Descriptive answer type questions unit wise – **5 \* 02 = 10 Marks** |
| **Practical/Prect Work** | Exercise / Field Work / Task = **20 Marks** |
| ***Amendment or Modification shall may be made by Course Coordinator as per situation or directed by the department / Examination Call / NEP-20 Scheme Coordinator.*** |