



**ADD-ON COURSE
ON
WEB DESIGNING AND BASIC PROGRAMMING**

November 17, 2021 - February 18,
2022

REPORT

**INTERNAL QUALITY
ASSURANCE CELL ,
SRIPAT SINGH COLLEGE**



SRIPAT SINGH COLLEGE

P.O. Jiaganj, Dist. Murshidabad, West Bengal, PIN 742 123

Phone:03483-255351, Fax: 03483-256961

Email: sscollege2009@gmail.com, Web : www.ss-college.org

10-11-2021

Meeting Resolution

Department of Computer Science:

At a convened meeting of the Department of Computer Science at Sri Pat Singh College on 10/11/2021, the following resolutions were passed regarding the proposed introduction of an add on course on "Introduction to Web Designing and Basic Programming".

Members Present:

1. Mr.Babin Pattyanayek ,IQAC)
2. Mr.Sujan Kumar Das (TCS)
3. Mr. Biplab Biswas
4. Mr.Utsav Dutta

1. Approval of Course Layout:

The department collectively endorses the proposed course layout, acknowledging its alignment with the educational objective.

2. Programme Duration:

A consensus was reached on the programme duration, setting it at 30 hours , ensuring balanced coverage of the curriculum without causing undue strain on students' schedule.

3. Assessment Modalities:

The meeting established the assessment modalities, encompassing a diverse range of evaluation such as examinations, practical assignments and presentations. This approach aims to comprehensive understanding of students' proficiency in applying web designing and basic programming concepts.



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4. Utilization of Existing Resources:

Acknowledging the importance of optimizing existing resources, the meeting deliberated on the resource requirements for the successful implementation of this course. The department head with the responsibility of coordinating with the college administration to ensure effective utilization of available facilities, including computer, classroom and projector.

5. Awarding Criterion:

The resolution outlined a clear awarding criterion, emphasizing the importance of attendance, performance in assessment and active participation in class discussion as key factors for successful completion and certificate issuance.

6. Selection of Course Coordinator:

The department appointed Mr. Biplab Biswas , HoD, Department of Computer Science as the course coordinator for the course. He will support faculty coordination, day-to-day operations, focusing on administrative aspects, student engagement and the coordination of assessments.

Course Title: Introduction to Web Designing and Basic Programming

Programme Duration: 12 weeks (Total 30 hours)

Course Overview:

The Introduction to Web Designing and Basic Programming Add-on Course offered by the Department of Computer Science, Sri pat Singh College is designed to provide participants with a solid foundation in Web Designing and Basic Programming language. Whether you're a beginner with no prior coding experience or have some experience with other languages, this course will equip you with the essential skills needed to start programming in Basic Programming . Through hands-on exercises, practical examples, and interactive sessions, participants will gain confidence in writing Web Designing and Basic Programming code and understanding fundamental programming concepts

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Course Objective:

Introduce participants to the fundamentals of Web Designing and Basic Programming programming language.

Teach basic syntax, data types, and control structures in Basic Programming and Web Designing .

Familiarize participants with Web Designing and Basic Programming 's built-in functions and libraries.

Provide hands-on experience with coding exercises and projects.

Prepare participants for further exploration of Web Designing and Basic Programming programming and related domains.

Course Outcome:

By the end of this 30-hour Add-on Course on Web Designing and Basic Programming, participants should be able to:

1. Understand the basics of web designing: Participants will be familiar with HTML, CSS, and responsive web design principles, enabling them to create visually appealing and functional web pages.
2. Apply Bootstrap framework: Participants will be able to utilize the Bootstrap framework to create responsive and mobile-first websites efficiently.
3. Develop basic programming skills: Participants will have a foundational understanding of programming concepts using Python, including variables, data types, control flow, functions, and file handling.


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4. Create simple web applications: Participants will be able to build basic web applications using the Django framework, incorporating models, views, templates, and forms.
5. Work on real-world projects: Through hands-on projects, participants will gain practical experience in designing websites and developing web applications, enhancing their portfolio.
6. Collaborate and communicate effectively: Participants will improve their teamwork and communication skills through group projects and discussions, essential for working in a professional environment.
7. Receive feedback and iterate: Participants will learn to accept feedback on their work, make improvements based on the feedback, and present their final projects effectively.
8. Prepare for further learning: This course will serve as a foundation for participants interested in pursuing more advanced studies or careers in web development and programming.

Course Layout

Week 1-3 : Introduction to Web Designing (9 hours)

- Day 1 (1.5 hours): Introduction to Web Designing, HTML Basics
- Day 2 (1.5 hours): HTML Tags and Attributes
- Day 3 (1.5 hours): CSS Basics
- Day 4 (1.5 hours): CSS Styling, Selectors
- Day 5 (1.5 hours): CSS Box Model, Layouts
- Day 6 (1.5 hours): Responsive Web Design Basics

Week 4-6 : Advanced Web Designing (6 hours)

- Day 1 (1 hours): Introduction to JavaScript
- Day 2 (1 hours): JavaScript Basics, Variables, Data Types
- Day 3 (1 hours): JavaScript Functions, Events
- Day 4 (1 hours): Introduction to Bootstrap Framework
- Day 5 (1 hours): Bootstrap Grid System, Components

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- Day 6 (1 hours): Project: Designing a Responsive Website using HTML, CSS, and Bootstrap

Week 7-9 : Basic Programming Concepts (7 hours)

- Day 1 (1 hours): Introduction to Programming, Algorithm Basics
- Day 2 (1 hours): Introduction to Python Programming Language
- Day 3 (1 hours): Python Basics: Variables, Data Types, Operators
- Day 4 (1 hours): Python Control Flow: Conditional Statements, Loops
- Day 5 (1.5 hours): Python Functions, Modules
- Day 6 (1.5 hours): Project: Basic Python Programming Exercises

Week 10-12 : Advanced Programming Concepts (8 hours)

- Day 1 (1.5 hours): Python Data Structures: Lists, Tuples, Dictionaries
- Day 2 (1.5 hours): Python File Handling
- Day 3 (1 hours): Introduction to Django Framework
- Day 4 (1.5 hours): Django Models, Views, Templates
- Day 5 (1 hours): Django Forms, Admin Interface
- Day 6 (1.5 hours): Final Project: Building a Basic Web Application using Django

Evaluation and Conclusion

- Day 1 (2 hours): Project Presentation and Evaluation
- Day 2 (2 hours): Recap and Q&A Session
- Day 3 (2 hours): Course Feedback and Conclusion

Assessment and Project:

Weekly assignments and quizzes to assess understanding and progress,

Final project where participants will apply learned concepts to solve real-world problems.

Code reviews and feedback sessions to help participants improve their coding skills.

Prerequisites:

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Basic computer literacy and familiarity with using a computer.

No prior programming experience required.

Target Audience:

Beginners interested in learning Web Designing and Basic Programming programming language

Students or professionals seeking to enhance their programming skills.

Anyone interested in pursuing a career in data science, web development, or software engineering.

Methodology:

Instructor-led sessions with hands-on coding exercises.

Interactive discussions and Q&A sessions.

Collaborative learning environment.

Access to online resources, tutorials, and documentation for further learning.

Certification:

Certificate of Completion will be awarded upon successful participation and completion of the course requirements.

Conclusion:

The Introduction to Web Designing and Basic Programming Programming Add-on Course provides a comprehensive introduction to Web Designing and Basic Programming for beginners and those looking to strengthen their programming skills. By the end of the course, participants will have the knowledge and confidence to write Web Designing and Basic Programming code, work

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with data structures, and explore more advanced topics in Web Designing and Basic Programming Programming

Resources:

Recommended textbook: 1. Scientific Computing in Web Designing and Basic Programming . Abhijit Kar Gupta, Techno World, 2. Computational Physics, Mark Newman, Amazon Digital, 3. Web Designing and Basic Programming Programming. Satyanarayana, Radhika Mani, Jagdesh, University Press.

Online Web Designing and Basic Programming editors and resources.

Learning materials provided from the department.

Note. The scheduled examination dates subject chong based on unforeseen circumstances or organizational requirements, Please stay informed through official channel for updates or adjustments to the examination time table.

Assessment Procedure for Certificate Awardin "Introduction to Web Designing and Basic Programming Course"

The certificate for the "Introduction to Web Designing and Basic Programming " will be awarded based on a comprehensive evaluation, including examinations and presentations. The assessment procedure is designed to ensure thorough understanding of concepts and their practical application. The evaluation will be divided into the following components:

1. PracticalAssignments(70%):
2. Presentations(20%):
3. Project (10%):

Note: Each component will be graded on a scale of 0 to 100, and the final score will be calculated based on the percentage allocation mentioned above. To successfullycomplete the course and receive the certificate, a student must achieve an overall score of 60% or higher.

Disclaimer: The course certificate is awarded upon the successful completion of the examinations, practical assignments, and presentations.

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Summary(2022-23)

Registration Start Date : 12 November,2022

Registration End Date: 16 November,2022

Mode of Instruction: Blended

Course Status: Completed

Number Of Times offer during the academic year: 01

Duration: 12 weeks (Total- 30 hours)

Category: Programming Language

Level: Undergraduate

Start Date :17 November,2021

End Date :18 February,2022

Number of students enrolled :455

Number Of Students completing the course :452

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VALUE ADDED COURSE
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Learn the fundamentals of design, including the distinctions between UI and UX, explore the history of UX and usability with real-world examples, master the Design Thinking process and the double diamond approach, apply Design Thinking to solve design problems, and gain practical skills in using Figma for portfolio creation, project setup, content editing, and design sharing.

UI/UX

USABILITY

DESIGN THINKING

INTRO TO DESIGN PROBLEM



Chief Patron
Dr. Shamsuzzaman Ahmed
Principal, Sripat Singh College



Patron
Mr. Babin Pattanayek
Coordinator, IQAC
Sripat Singh College

Course Coordinator: Mr. Biplab Biswas

ABOUT US

Sripat Singh College is a well-established educational institution located in Murshidabad, West Bengal, India. Known for its academic excellence, the college offers a diverse range of undergraduate and postgraduate programs across various disciplines. With a rich history dating back to its founding in 1949, Sripat Singh College has played a significant role in shaping the educational landscape of the region. The college is committed to providing quality education, fostering intellectual growth, and nurturing a vibrant learning community.

Organised by: IQAC & Department of Computer Science

Organised by: Sripat Singh College Internal Quality Assurance Cell (IQAC) in collaboration with EBLUESYS

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Alian
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