NOTIFICATION

In pursuance of 80th University Council Resolution No. 80.23 dated 25.04.2016 & 69th University Council Resolution No. 69.89 dated 09.02.2010, it is notified for the information of all concerned that **Three months Certificate Course in Web Designing & Development (The Web Developer's Toolkit)** at Kishtwar Campus, University of Jammu, is hereby introduced on the following parameters:

1. Such a short term course shall remain a part of the Department.
2. The faculty member who designs the course contents will be the Course Coordinator.
3. Candidates desirous of joining such courses shall not have the status of University students and shall have no right for any sort of concession such as Library, Railway etc. However, Departmental Library where such short term course is being conducted, can extend reading room facility to such students.
4. Such students shall be issued participation certificate signed by the Course Coordinator and Head of the Department concerned.

The Course Scheme & Structure of the Certificate Course are given in **Annexure.**

Sd/-
DEAN ACADEMIC AFFAIRS

No. F. Acd/I/25/ 7754-60
Dated: 29/08/2025

Copy to:-
1. Special Secretary to the Vice-Chancellor, University of Jammu for the kind information of the Hon'ble Vice-Chancellor please.
2. Sr. P.A. to the Dean Academic Affairs
3. Director, Kishtwar Campus
4. Sr. P.A. to the Registrar/Director, DIQA
5. Director, CITES&M alongwith annexure for n.a.
6. Guard File

Joint Registrar (Academic)

Proposal: <u>Certificate Course in Web designing & Development</u>

<u>(The Web Developer's Toolkit)</u>

1. Introduction

Kishtwar Campus, University of Jammu, is strategically positioned to address the growing demand for digital skills in the Kishtwar region. With the IT sector expanding rapidly, there is a critical need for locally accessible, industry-relevant training. This proposal outlines a 3-month Certificate Course in Web Designing & Development (The Web Developer's Toolkit), leveraging the Campus's existing infrastructure and faculty expertise to empower students with practical, job-ready skills.

2. Course Rationale

Skill Gap: Limited access to quality tech education in Kishtwar restricts youth employability.

Resource Utilization: Underutilized high-tech computer lab and reading room can be optimized for skill development.

Affordability: Low-cost course ensures accessibility for students from diverse backgrounds.

Employability: Web development skills are in high demand across industries (freelancing, start-ups, corporates).

3. Course Details

- **Name:** Certificate Course in Web Designing & Development (The Web Developer's Toolkit)
- **Course Coordinator:** Dr. Aftab Ahmad Mir.
- **Duration:** 3 Months (12 Weeks), 5 days/week (Mon-Fri)
- **Eligibility:** Minimum 12th pass in any stream. Basic computer literacy required.
- **Intake Capacity:** 30 Students
- **Mode:** Primarily Hands-on, In-person (Utilizing Campus Lab).
- **Total Contact Hours:** 120
- **Target Audience:** Students, job seekers, working professionals, and individuals seeking to enhance their digital and computing competencies.
- **Mode of Delivery:** In-person classes at Kishtwar Campus
- **Certification:** A recognized certificate will be awarded upon successful completion, validated by the institution.

4. Course Conditions:

- ➢ The course shall form a part of the Department of Computer Application & IT.

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- ➢ Dr. Aftab Ahmad Mir shall be the coordinator the programme.
- ➢ The duration of the course shall be of three months.
- ➢ The Candidates joining this course shall not have status of the University students and shall have no right for any sort of concession such as library. However, such students will be extended reading room facility on the campus.
- ➢ The participation certificate shall be issued duly signed by the Course Coordinator and the Director, Kishtwar Campus.

4. Course Curriculum (Key Modules)

Front-End Development:

HTML5 & Semantic Web

CSS3, Flexbox, Grid, Responsive Design

JavaScript (Fundamentals, DOM Manipulation)

Introduction to Bootstrap 5

Back-End Development (Introductory):

Basics of PHP & MySQL (Focus on integration with front-end)

Form Handling & Data Processing

Essential Tools:

Git & GitHub (Version Control Basics)

VS Code / Sublime Text

Browser Developer Tools

Project Work:

Building a responsive portfolio website.

Developing a dynamic data-driven application (e.g., simple CMS, taskmanager).

A detailed syllabus, along with the examination and evaluation scheme, is provided in **Annexure I** and **Annexure II**.

5. Resource Utilization

High-Tech Computer Lab: Fully equipped with PCs, required software (VS Code, XAMPP/WAMP, Browsers)

High-Speed Internet – the primary venue for practical sessions.

Reading Room/Library: Provides quiet space for self-study, reference material access, and project work outside lab hours.

Faculty: Existing qualified faculty from the Computer Science/IT departments of Kishtwar Campus will deliver lectures and lab sessions. Guest sessions by industry professionals may be arranged.

Administrative Support: Existing campus administration will handle registration, fee collection, and coordination.

6. Fee Structure

Course Fee: ₹ 1,500/- (One Thousand Five Hundred Rupees Only)

Registration Fee: ₹ 150/- (Three Hundred Rupees Only) – Non-refundable.

Total Payable: ₹ 1,650/- (One Thousand Six Hundred & Fifty Rupees Only)

7. Infrastructure & Logistics

Venue: Computer Lab (Primary), Reading Room (Secondary/Support).

Hardware/Software: Existing lab infrastructure deemed sufficient.

Connectivity: Reliance on existing high-speed campus internet.

Materials: Digital learning resources, code snippets, project guides provided electronically.

8. Expected Outcomes

1) Students gain proficiency in building responsive, functional websites.
2) Enhanced employability for entry-level web developer/front-end developer roles or freelancing.
3) Foundation for pursuing advanced IT courses.
4) Increased visibility of Kishtwar Campus as a center for skill development.
5) Optimal utilization of campus resources.

9. Marketing & Outreach

1) Notices on University of Jammu/Kishtwar Campus website and notice boards.
2) Posters in local colleges, schools, and community centers.
3) Social media promotion via University/Campus pages.
4) Announcements through local newspapers and radio.

This proposed 3-month Certificate Course in Web Designing & Development (The Web Developer's Toolkit) directly aligns with Kishtwar Campus's potential to serve the community by providing relevant, affordable, and accessible skill training. By effectively utilizing existing, underutilized resources, the course offers a low-risk, high-impact opportunity to empower local youth with valuable digital skills, enhancing their employability and contributing to the region's economic development. We are confident in our capacity to deliver a high-quality learning experience and request your favourable consideration.

SYLLABUS

This course is designed to provide a comprehensive understanding of Web Designing, focusing on both the visual and functional aspects of creating websites. The syllabus is divided into 8 modules, covering fundamental concepts and practical skills required to design, build, and maintain modern, responsive websites.

Learners will explore topics such as HTML, CSS, JavaScript, web design principles, responsive layouts, UI/UX basics, and website deployment. By the end of the course, students will be able to create professional-looking websites that are user-friendly, visually appealing, and compatible across devices.

Total Duration: 3 Months (120 hours)
Total Marks: 100

Detailed Syllabus

1. Introduction to Web Designing

Introduction to Web Design Introduction of Internet, WWW, Website, Working of Websites, Webpages, Front End, Back End, Client and Server Scripting Languages, Responsive Web Designing, Types of Websites (Static and Dynamic Websites).

2. Web Designing Editors

Editors Downloading free Editors like Notepad++, Sublime Text Editor, Making use of Editors, File creation and editing, saving.

3. **Hyper Text Markable language (HTML)** Basics HTML: Introduction, Basic Structure of HTML, Head Section and Elements of Head Section, Formatting Tags: Bold, Italic, Underline, Strikethrough, Div, Pre Tag Anchor links and Named Anchors Image Tag, Paragraphs, Comments, Tables: Attributes –(Border, Cellpadding, Cellspacing , height , width), TR, TH, TD, Rowspan, Colspan Lists : Ordered List , Unordered List , Definition List, Forms, Form Elements, Input types, Input Attributes, Text Input Text Area, Dropdown, Radio buttons , Check boxes, Submit and Reset Buttons Frames: Frameset, nested Frames. HTML 5 Introduction, HTML5 New Elements: Section, Nav, Article, Aside, Audio Tag, Video Tag, HTML5 Form Validations: Require Attribute, Pattern Attribute, Autofocus Attribute, email, number type, date type , Range type, HTML embed multimedia, HTML Layout, HTML Iframe.

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4. Cascading Style Sheets (CSS)

Introduction to CSS, Types of CSS, CSS Selectors: Universal Selector, ID selector, Tag Selector, Class Selector, Sub Selector, Attribute Selector, Group Selector, CSS Properties: Back Ground properties, Block Properties, Box properties, List properties, Border Properties, Positioning Properties, CSS Lists CSS Tables, CSS Menu Design CSS Image Gallery.

5. JavaScript and Angular JS

JavaScript and Angular JS Introduction to Client Side Scripting Language, Variables in Java Script, Operators in JS, Conditions Statements, JS Popup Boxes, JS Events, Basic Form Validations in JavaScript. Introduction to Angular JS: Expressions, Modules and Directives.

6. Photo Editor

Photo Editor Features of Photo Editing:Tools: Selection Tools, Paint Tools, Transform Tools, Text Tool, Layers, Brightness/ Contrast, Improve Colors and tone, Filters.

7. Web Publishing and Browsing

Web Publishing and Browsing Overview, SGML (Standard Generalized Markup Language), Web hosting Basics, Documents Interchange Standards, Components of Web Publishing, Document management, Web Page Design Considerations and Principles, Search and Meta Search Engines, WWW, Browser, HTTP, Publishing Tools.

Reference Books/Study Material

1. HTML5, Black Book, Kagent Learning Solution Inc, 2014

2. Mastering HTML, CSS & JavaScript Web Publishing by Lemay Laura, BPB publications

3. HTML & CSS: The Complete Reference by Thomas Powell

4. Web Design, McGraw –hill

5. HTML, XHTML and CSS For Dummies By Ed Tittel , Jeff Noble

Examination Scheme

The evaluation is designed to assess both theoretical understanding and practical skills. The course includes continuous assessments and a final project.

S.No.	Component	Type	Marks	Duration
01	Theory Examination	Written (Descriptive + MCQ)	30	1.5 Hours
02	Practical Examination	Hands-on Tasks	40	2 Hours
03	Final Project	Practical +Viva	20	30 Minutes
04	Internal Assessment*	Attendance + Assignments	10	Continuous
Total			100	

*Internal Assessment (10 Marks)

Criteria Marks:

Attendance (75% min) =5

Assignments & Practice =5

Grading System (Based on Total Marks)

S.No.	Marks range	Grade	Performance
01	85-100	A+	Excellent
02	70-84	A	Very Good
03	55-69	B	Good
04	40-54	C	Satisfactory
05	<40	F	Fail/Poor