

INTERACTIVE WEB AND MOBILE APPLICATION COURSE SYLLABUS

Preamble: DIC BHU to run a course where Humanities, Arts, Science and Technology students will work together to solve different design and innovation related problems, existing around us in various sector such as society, education, health, communication, transportation, lifestyle, academy or anywhere. DIC BHU is to be very open to adopt new practical approaches in teaching-learning of this Certificate course and students from any field can come and learn new things to enhance innovation for a much better society. DIC BHU believes that when under multidisciplinary approaches in academia under the guidance of Expert / Mentors of all subject related areas and dedicated to help the learners to get the best ways of innovation learning and become an innovator and self-entrepreneur. Our Teaching-Learning process is open to get maximum attention towards better environment to healthy and fruitful learning practices with theory and practical classes for the solving of real problems existing in the society.

Aim: The aim of this course is to give knowledge about design and innovation and best solutions of a given problem by an appropriate and innovative design through the best investigation and design protocol for the particular problem in practical aspects.

Objective: The Students will learn

1. Provide leadership in solving "complex" user interface and interactive design problems.
2. Interface with different user interface based design cultures.
3. Spread the influence of their vision and perspective in society, community, industry, government, and academia field.
4. Start up new venues or work in firms engaged in web and user interface design.

Course Content - Just Do It!

1. Simple Coding
Learn HTML and CSS, which are the common code languages that all modern websites are built on.
2. Word Press templates Practices
Beautiful designs, powerful features, and the freedom to build anything you want and simple to understand.
3. Graphic Design for Website designing
Learning the basic principles of design like branding, color theory, and typography which are all instrumental in the design process of a website.
4. UX and UI Design
Learn how to apply user-centered design principles to improve your website and mobile app design.
5. Human and Culture Centered Design
Design for Cultural change, social change and Life style change.

- 6.** Prototype/Web Design
Process of Prototype design, Problems of different stages in prototype design for web, refines Prototype, Finalize Prototype

- 7.** Engineering aspect of design
Electrical, Mechanical, Design, Material, Aspect, Safety and Reliability aspect.

- 8.** Projects
To get different project in the field of innovative mobile application development through different funding agencies