COURSE: Web Design Level 1
INSTRUCTOR: Ashish Ruhani

OBJECTIVES

(i)   To understand the structure of website by learning different methods of building and designing the websites.
(ii)   To build modern web applications using industry standard technologies
(iii)   To help students understand the basic principles of programming languages like HTML & Javascript.

TIME FRAME

July 05 – August 27: Wednesdays 7 – 9 pm, Sundays 4:30 – 6:30 pm (16 classes x 2 hrs)

COURSE TEXT

No course texts are necessary for this course. Any additional readings will be provided.

STUDY AIDS

Please check the course website regularly for lecture notes and additional resources. Students are expected to bring the following to each class:

- Lecture notes
- Pen/Pencil
- Working Laptop

CONTACT INFORMATION

Email: ashish.ruhani@gmail.com

EVALUATION METHOD

- Weekly Homework Assignments (Sundays)

COURSE SCHEDULE

Class 1	Intro to WEB DESIGN • How WEB works • Modern Browsers • HTML evolution
Class 2	HTML Basics • Structure of HTML • Tags • Attributes
Class 3	HTML Tags – Inside Look • Images • URLs • Paths (Absolute & Relative)
Class 4	HTML Tables & Hyperlinks • Tables basic structure • Creating rows and columns • Alignments • Hyperlinks
Class 5	HTML Forms • Form Structure • Inputs • Submits
Class 6	CSS • CSS evolution • Styling HTML tags • Styling the table • Sizing and resizing
Class 7	CSS continued… • Working with CSS in Forms • Bundling the CSS styles • Creating Style Sheet
Class 8	Javascript • Basics • Javascript evolution
Class 9	Javascript • Selectors • Events

Class 10	Javascript Validations • Forms validations • Submission of forms
Class 11	jQuery • Basics • jQuery evolution
Class 12	jQuery • Selectors • Events
Class 13	jQuery Validations • Forms Validations • Forms submit and data manipulations
Class 14	jQuery & JSON • JSON formatting • Posting JSON data
Class 15,16	Designing our own website using all the above concepts