

INTRODUCTION TO WEB PROGRAMMING SATURDAYS

COURSE OVERVIEW- This course is designed for anyone planning to understand simple basics of programming. The course will be a combination of theoretical understanding and practical hands-on experience.

PRE-REQUISITES – Anyone planning to register for this course must meet or exceed following pre-requisites:

- Must be able to use computer, key board and mouse operations
- Must be able to surf internet and familiarity with basic internet navigation skills
- Must have a good understanding of tools like MS Word or MS Excel or MS Power point

CLASS DETAILS – This course would be conducted in 2 hour sessions spread over 6-weeks. At the end of this course all students would be expected to deliver a project using the languages covered during the course. All students would be graded based on their project performance and class participation.

TENTATIVE CLASS PLAN – Following is the tentative class plan for 8-weeks. This is subject to be revised based on student needs.

1. Introduction to various forms of programming languages and applications. Introduction to programming tools, concepts of scripting vs. compilation.
2. Introduction of web applications – focus on web servers, simple applications, differentiation between design and run-time concepts. Start introduction to HTML
3. Start HTML editing tools and introduction to HTML. Assigned project work.
4. HTML tags – HEAD, BODY, TABLE, FORMS, DIV, PICTURE, BOOKMARK, DROP DOWN, TEXT BOX, RADIO BUTTONS, BUTTONS, CHECKBOXES
5. All-time hands on programming
6. Introduction to Javascript – data types, operators, variables, functions,.
7. Javascript Continued - loops, objects, event handlers, arrays
8. Project presentations