

MCA 210: Web Technology

Teaching Scheme

Lectures: 3 hrs/Week

Tutorials: 1 hr/Week

Credits: 4

Examination Scheme

Class Test -12Marks

Teachers Assessment - 6Marks

Attendance – 12 Marks

End Semester Exam – 70 marks

Course Objectives:

The course content enables students to:

1. Understand best technologies for solving web client/server problems
2. Analyze and design real time web applications
3. Use Java script for dynamic effects and to validate form input entry
4. Analyze to Use appropriate client-side or Server-side applications

UNIT I (6 Hours)

Introduction: Introduction to web, protocols governing the web, web development strategies, Web applications, web project, web team.

UNIT II (10 Hours)

Web Page Designing using HTML: Structure of HTML page, link, list, table, images, frames, forms, CSS; DHTML

UNIT III (10 Hours)

XML: DTD, XML schemes, presenting and using XML

UNIT IV (10 Hours)

Java script: Introduction, documents, forms, statements, functions, objects; event and event handling; introduction to AJAX, VB Script


UNIT V (10 Hours)


Server Side Programming: Introduction to active server pages (ASP), ASP.NET, java server pages (JSP), JSP application design, tomcat server, JSP objects, declaring variables, and methods, debugging, sharing data between JSP pages, Session, Application: data base action , development of java beans in JSP, introduction to COM/DCOM.

UNIT VI (10 Hours)

PHP (Hypertext Preprocessor): Introduction, syntax, variables, strings, operators, if-else, loop, switch, array, function, form ,mail, file upload, session, error, exception, filter, PHP-ODBC.
Web Page Designing using HTML: Structure of HTML page, link, list, table, images, frames, forms, CSS; DHTML


 Head
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 Registrar
 Invertis University
 Bareilly

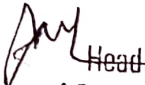

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Text and Reference Books

1. Heywood J.B., —Internal combustion Engine Fundamentals, McGraw Hill, 1988
2. Obert E.F., —Internal combustion Engine and Air Pollution, Intext Educational Pub, 1974
3. Ganesan V., —Internal combustion Engines, 6 th Ed. Tata Mc Graw Hill Publishing Co. Domkundwar V.M. —Internal Combustion Engines-
4. Mathur M.C., Sharma R.D., —Internal combustion engines, 8th Ed.; Dhanpat Rai publication., 2003 Pulkrabek W, —Engineering Fundamentals Of Internal Combustion Engine, Prentice Hall, 1997

Course Outcomes:

1. Choose, understand, and analyze any suitable real time web application.
2. Integrate java and server side scripting languages to develop web applications.
3. To develop and deploy real time web applications in web servers and in the cloud.
4. Extend this knowledge to .Net platforms.



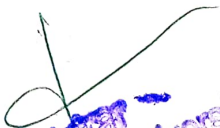
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