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RGPV B.Tech – CSE 5th Semester Syllabus

CS-504-A: Internet and Web Technology

Unit I: Introduction to Web Design

- Concept of WWW, HTTP protocol, browsers and servers
- Features of Web 2.0, effective web design principles
- Design issues: browser compatibility, bandwidth, resolution
- User-centric design, sitemap, navigation planning

Unit II: HTML & XHTML

- HTML basics: formatting, fonts, hyperlinks, lists, tables
- Forms, images, frames, meta tags, character entities
- Browser architecture and site structure
- Overview of HTML5 features

Unit III: CSS & JavaScript

- CSS syntax, styling elements, layout control
- CSS2 and CSS3 overview
- JavaScript basics: variables, functions, loops, conditions
- DOM manipulation, events, form validation
- DHTML: combining HTML, CSS, JS

Unit IV: XML & PHP

- XML structure, DTD, schemas, XSL/XSLT transformations
- PHP basics: syntax, loops, arrays, functions
- Form processing, cookies, sessions
- OOP concepts in PHP

Unit V: PHP with MySQL

- Connecting to server, creating/selecting databases
- Table creation, data insertion, modification, deletion
- Query execution, phpMyAdmin usage
- Database debugging and optimization

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- [RGPV Notes – CS-504-A Full Breakdown](#)