

DEPARTMENT OF COMPUTER SCIENCE

**SYLLABUS
FOR
VALUE ADDED COURSE
(UG LEVEL)**

WEB DEVELOPMENT AND ETHICAL PRACTICES



RAMA DEVI WOMEN'S UNIVERSITY

Vidya Vihar, Bhubaneswar-751022

SM. Mohanty

Bal H.O.D
Computer Science
Rama Devi Women's University
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Mr. Ranhi
Controller of Examinations
R.D. Women's University
Bhubaneswar.

WEB DEVELOPMENT AND ETHICAL PRACTICES

Course Objectives (CO)

CO1 :To impart the fundamentals web development.

CO2 :To make the students understand the importance of ethical behaviour

CO3 :To expose the students to the ethical practices to be followed in during day to day online applications

UNIT-I

14 Hours

Introduction to Data Communications and networking: Network devices: Router, Modem, Repeater, Hub, Switch, Bridge (fundamental concepts only), TCP/IP model, Transmission media, Error detection and Correction Techniques.

UNIT-II

12 Hours

Database Fundamentals: Creating and maintaining database using SQL.

Web development: HTML fundamentals, JavaScript, DHTML and use of IDE for web development.

UNIT-III

10 Hours

Web Ethics: Network and Information security, Cryptography, Private key and Public key Cryptosystem, Key management protocol, IPR, Copyrights, Creative Common License and Plagiarism, Plagiarism Detection tools, Advantages, Disadvantages and Risks web searching.

REFERENCE

1. Data Communications and Networking, Fourth Edition by Behrouza A. Forouzan, TMH.
 2. HTML, XHTML and CSS Bible, 5ed, Willey India- Steven M. Schafer.
 3. W. Stallings- Cryptography and Network Security Principles and Practice, Person Education Asia, 2000. (3rd Edition)
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DEPARTMENT OF COMPUTER SCIENCE

LATEX FOR DOCUMENTATION

SYLLABUS FOR VALUE ADDED COURSE (UG LEVEL)

LATEX FOR DOCUMENTATION



RAMA DEVI WOMEN'S UNIVERSITY

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LATEX FOR DOCUMENTATION

Course Objectives (CO)

CO1 : To understand LaTeX, a document preparation system for high - quality typesetting.

CO2: To understand features of LaTeX.

CO3 :To have hands on experience to become a user of LaTeX.

Unit I: Installation of LaTeX and Beginning typesetting using LaTeX

14 Hours

Basics: What is LaTeX, Basics for document structuring, preamble preparation, saving a folder. Installation of Kile and MikeTeX. Class and packages. Latex programming and commands, sample packages. Error messages: Some sample errors, list of LaTeX error messages

Unit II: Formatting of output document

12 Hours

Latex commands for font colour, font size, make title, begin document, new page, sectioning.

Document class,page style,parts of the documents,table of contents. Command names and arguments,environments,declarations. Theorem like declarations, comments within text

Unit –III: Mathematical formulae and Drawing with LaTeX

10 Hours

Mathematical environments, math mode, mathematical symbols. Graphic package, ulvalued functions, drawing matrices. Tables, tables with captions. References to figures and tables in text. Reference and Citation: Inserting references, Manual reference, Reference using BibTex, citing reference.

REFERENCE

1. Latex for beginners Work book 5th edition, Document Reference:3722-2014, March 2014
 2. Guide to LATEX, fourth edition, Helmut Kopka, Patrick W.Daly
 3. L. Lamport. LATEX: A Document Preparation System, User's Guide and Reference Manual. Addison-Wesley, New York, second edition, 1994.
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DEPARTMENT OF COMPUTER SCIENCE

**SYLLABUS
FOR
VALUE ADDED COURSE
(PG LEVEL)**

WEB DEVELOPMENT AND WEB ETHICS



RAMA DEVI WOMEN'S UNIVERSITY

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WEB DEVELOPMENT AND WEB ETHICS

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