

RRDS GOVERNMENT DEGREE COLLEGE, BHIMAVARAM



COURSE OUTCOMES

Department of Computer Applications

SEMESTER-I

COURSE 1: AI FUNDAMENTALS(onwards AY 2025-26)

Course Outcomes:-

Students will be able to

1. Describe the different subfields and their roles in AI applications.
2. Analyze the benefits and limitations of AI in diverse domains.
3. Evaluate AI systems in terms of inclusivity, privacy, and robustness.
4. Describe Generative AI and emerging technologies like ChatGPT.
5. Apply prompt engineering concepts to various real-world use cases.

COURSE 2: Fundamentals of Information Technology & Office Automation (onwards AY 2025-26)

Course Outcomes:

Learners will be able to:

1. Convert between binary, decimal, octal, and hexadecimal systems, and explain
2. computer evolution and generations with examples.
3. Learners will demonstrate basic blocks of a computer and fundamental networking
4. knowledge.
5. Create professional-level documents and design visually appealing presentations
6. using word processing software and presentation software.
7. 4. Manipulate data within spreadsheets, apply formulas, and generate accurate
8. summaries and visualizations.
9. Apply data modelling techniques to analyse, organize, and represent data effectively
10. in various scenarios.

SEMESTER-II

COURSE 4: E-COMMERCE AND WEB APPLICATION DEVELOPMENT (onwards AY 2025-26)

Course Outcomes:

Learners will be able to:

1. Describe e-commerce models, revenue strategies, and legal considerations including cyber laws and data privacy.

2. Implement basic web structures using HTML5 and apply web design principles suitable for digital commerce.
3. Create and style dynamic websites using CSS for layout, animation, and visual enhancements.
4. Write client-side scripts using JavaScript to enable interactivity, form validation, and event handling.
5. Build responsive e-commerce front-ends using the Bootstrap framework, incorporating reusable UI components and custom styling.

COURSE I: OFFICE AUTOMATION TOOLS

Learning Outcomes:

The students will be able to:

1. Understand concept of Word Processor and use its features.
2. To use the advanced features of Ms-Word to make day to day usage easier. To work comfortably with Ms-Excel Environment.
3. To create work sheets and user advanced feature of Excel. To create make presentations and inserting multimedia in them.

SEMESTER-III

COURSE II: E COMMERCE AND WEB DESIGNING

Learning Outcomes:

The students will be able to:

1. Explain how to create an **e-commerce website** from scratch, using PHP and the Bootstrap framework.
2. Display featured products correctly on a **web** page, using the bootstrap system. Explain how product detail models are programmed to be dynamic.

COURSE III: DIGITAL MARKETING

Learning Outcomes:

The students will be able to:

The Students will be able to:

1. Use digital media for the creation of products and services and relate Search Engines in the digital marketing ecosystem.
2. Use Search Engine Marketing for advertisements and know the Social Media platforms like Face book, Twitter, YouTube & LinkedIn for Marketing.
3. Outline email Marketing and strategy to craft email marketing campaign.

SEMESTER-IV

COURSE IV: DATABASE MANAGEMENT SYSTEM WITH ORACLE

Learning Outcomes:**The students will be able to:**

1. An ability to apply Knowledge of computing and mathematics in Computer Science & Engineering. They will analyze a problem, identify and define the computing requirements appropriate to its solution.
2. An ability to design, implement and evaluate a computer-based system to meet desired needs with appropriate societal considerations.
3. The will have knowledge on to conduct investigations, interpret data and provide conclusions in investigating complex problems related to Computer Science & Engineering. An ability to engage in continuing professional development and life-long learning.

SEMESTER V**Course-V: E- COMMERCE APPLICATION DEVELOPMENT(6C)****Learning Outcomes:****The students will be able to:**

Upon successful completion of the course, a student will be able to:

1. To apply in an integrative and summative fashion the students' knowledge in all fields of business studies by drafting a website presence plan.
2. To understand the factors needed in order to be a successful in ecommerce
3. To gain the skills to bring together knowledge gathered about the different components of building a web presence
4. To critically think about problems and issues that might pop up during the establishment of the web presence
5. To apply Word Press as a content management system (CMS), Plan their website by choosing colour schemes, fonts, layouts, and more
- 6.

Course-VI : REAL TIME GOVERNANCE SYSTEM (RTGS) (7C)**Learning Outcomes:****The students will be able to:**

Upon successful completion of this course, students will have the knowledge and skills to

1. Understand the terms regarding Governance, E-Governance and RTGS
2. Learn about E-Governance Infrastructure
3. Understand the E-Governance implementation in several countries
4. Understand the E-Governance implementation in several Indian states
5. Understand the applications of RTG

COURSE 14: CYBER SECURITY

Learning Outcomes:

The students will be able to:

1. Analyse and evaluate the cyber security needs of an organization.
Determine and analyse
2. software vulnerabilities and security solutions to reduce the risk of exploitation.
3. Measure the performance and troubleshoot cyber security systems.
Implement cyber security solutions and use of cyber security, information assurance, and cyber / computer forensics software/tools.
4. The Learner will develop an understanding of security policies (such as confidentiality, integrity, and availability) and
5. protocols to implement such policies and will gain familiarity with prevalent network and distributed system attacks, defines against them, and forensics to investigate the aftermath

COURSE 15: MOBILE APPLICATION DEVELOPMENT USING ANDROID

Course Outcomes:

The student will be able to:

1. Identify various concepts and features of Android operating system.
Configure Android
2. environment and development tools. Develop rich user Interfaces by using layouts and controls.
3. Use User Interface components for android application development.
Create Android
4. application using database. Publish Android applications.