Kasetty Haridasulu
GOVERNMENT DEGREE COLLEGE
Dharmavaram – 515 672.
Sri Satya Sai (D). Andhra Pradesh.

Semester I

Course Outcomes

(w.e.f. 2020-21)

Course Name **Information Technology** Credits : **04**

Paper Code : **NS1-751** Hours : **60**

By the end of the Course, the learner will be able to	
CO – 1	A. *Remembers and states in a systematic way (Knowledge)* 1. Describe the fundamental hardware components that make up a computer's hardware and the role of each of these components. 2. Understand the difference between an operating system and an application program, and what each is used for in a computer. 3. Use technology ethically, safely, securely, and legally. 4. Use systems development, word-processing, spreadsheet, and presentation software to solve basic information systems problems.
CO – 2	B. *Explains (Understanding)* 1. Apply standard statistical inference procedure to draw conclusions from data. 2. Retrieve information and create reports from databases. 3. Interpret, produce, and present work-related documents and information effectively and accurately.

CO – 3	C. *Critically examines, using data and figures (Analysis and Evaluation**)* 1. Analyse compression techniques and file formats to determine effective ways of securing, managing, and transferring data. 2. Identify and analyse user needs and to take them into account in the selection, creation, integration, evaluation, and administration of computing based systems. 3. Analyse a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions. 4. Identify and analyse computer hardware, software
CO – 4	D. Working in 'Outside Syllabus Area' under a *Co-curricular Activity* (Creativity) Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
CO – 5	E. Efficiently learn and use Microsoft Office applications.

Kasetty Haridasulu
GOVERNMENT DEGREE COLLEGE
Dharmavaram – 515 672.
Sri Satya Sai (D). Andhra Pradesh.

Semester II

Course Outcomes

(w.e.f. 2020-21)

Course Name : **E – Commerce and Web Designing** Credits : **04**
Paper Code : **NS2-751** Hours : **60**

By the end of the Course, the learner will be able to	
CO – 1	A. *Remembers and ,stales in a systemic way(Knowledge)* 1. Understand the foundations and importance of E-commerce 2. Define Internet trading relationships including Business to Consumer, Business-to-Business, Intra-organizational 3. Describe the infrastructure foe E-commerce 4. Discuss lega1 issues and privacy in E-Commerce 5. Understand the principles of creating an effective web page, including an in-depth consideration of information architecture
CO – 2	B. *Explains (Understanding)* 1. Recognize and discuss global E-commerce issues 2. Learn the language of the web: HTML and CSS'
CO – 3	C. *Critically examines, using data and figures (Analysis and Evaluation)* 1. Analyze the impact of E-commerce on business models and strategy 2. Assess electronic payment systems. 3. Exploring a web development framework as an implementation example and create dynamically generated web site complete with user accounts, page level security, modular design using css
CO – 4	D. Working in 'Outside Syllabus Area' under a (Co-c:urricular Activity(Creativity) Use the Systems Design Approach to implement websites with the following steps.

	. Define purpose of the site and subsections . Identify the audience . Design and/or collect site content . Design the website theme and navigational structure . Design & develop web pages including: CSS Style Rules, Typography, Hyperlinks, Lists, Tables, Frames, Forms, Images. Behaviour, CSS Layouts
CO – 5	*E.* Build a site based on the design decisions and progressively incorporate tools and techniques covered

Kasetty Haridasulu
GOVERNMENT DEGREE COLLEGE
Dharmavaram – 515 672.
Sri Satya Sai (D). Andhra Pradesh.

Semester III

Course Outcomes

(w.e.f. 2020-21)

Course Name : **Programming with C & C++** Credits : **04**

Paper Code : **NS3-751** Hours : **60**

By the end of the Course, a student will be able to	
CO – 1	A. *Remembers and states in a systematic way (Knowledge)* 1. Develop programming skills 2. Declaration of variables and constants use of operators and expressions 3. learn the syntax and semantics of programming language 4. Be familiar with programming environment of C and C++ 5. Ability to work with textual information (characters and strings) & arrays
CO – 2	B. Explains (Understanding) 1. Understanding a functional hierarchical code organization 2. Understanding a concept of object thinking within the framework of functional model 3. Write program on a computer, edit, compile, debug, correct, recompile and run it
CO – 3	C. *Critically examines, using data and .figures (Analysis and Evaluation)* 1. Choose the right data representation formats based on the requirements of the problem. 2. Analyze how C++ improves C with object-oriented features 3. Evaluate comparisons and limitations of the various programming constructs and choose corrections for the task in hand.

CO – 4	D. Working in 'Outside Syllabus ,Area' under a Co-curricular Activity(Creativity) 1. Planning of structure and content, writing, updating and modifying computer programs for user solutions
CO – 5	A. Exploring C programming and Design C++ classes for code reuse (Practical skills***)

Kasetty Haridasulu
GOVERNMENT DEGREE COLLEGE
Dharmavaram – 515 672.
Sri Satya Sai (D). Andhra Pradesh.

Semester IV

Course Outcomes

(w.e.f. 2020-21)

Course Name : **Database Management System** Credits : **04**

Paper Code : **NS4-751** Hours : **60**

By the end of the Course, a student will be able to	
CO – 1	A. Remembers and states in a systematic way (Knowledge) l. Understand the role of a database management system in an organization. 2. Understand basic database concepts, including the structure and operation of the relational data model. 3. Understand and successfully apply logical database design principles, including E-R diagrams and database normalization 4. Understand Functional Dependency and Functional Decomposition
CO – 2	B. Explains (Understanding) 1. To design and build a simple database system and demonstrate competence with the fundamental tasks involved with modelling, designing, and implementing a DBMS. 2. Perform PL/SQL programming using concept of Cursor Management, Error Handling, Packages
CO – 3	C. Critically examines, using data and .figures (Analysis and Evaluation) 1. Apply various Normalization techniques 2. Model an application's data requirements using conceptual modelling tools like ER diagrams and design database schemas based on the conceptual model
CO – 4	D. Working in 'Outside Syllabus Area' under a Co-curricular Activity-(Creativity) Design and implement a small database project
CO – 5	E. Construct simple and moderately advanced database queries using Structured Query Language (SQL) (Practical skills)