



PSC & KVSC Government College
(Affiliated to Rayalaseema University, Kurnool)
Bommalasatram, Nandyal, Nandyal District
Andhra Pradesh - 518502

POs, COs and PSOs

B.Com Computer Applications

PROGRAMME OUTCOMES (POs)

On successful completion of Graduate Program, Graduating Students/ Graduates will be able to:

PO 1	Domain Expertise: Able to demonstrate a thorough understanding and grasp more academic subjects that are part of an undergraduate program of study.
PO 2	Effective Communication Skills: Effectively convey thoughts and ideas. Enhance the ability to present noteworthy information in a clear and concise manner to various groups.
PO 3	Critical Thinking: Evaluating and analyzing arguments, assertions, and opinions using empirical data. The ability to identify relevant assumptions or implications and construct logical arguments. Critically analyse practices, policies, and theories by utilizing a scientific approach to knowledge acquisition.
PO 4	Critical Problem Identification & Solving: The ability to apply one's competences to solve unfamiliar challenges based on what has been learned Apply one's learning to real-life scenarios.
PO 5	Teamwork / Coordination: Being able to facilitate a group's cooperative effort and act together as a group or team to achieve a common goal. Work effectively as an individual as well as a member of the team.
PO 6	IT literacy skills: The ability to utilize ICT in various learning situations. Using ICT tools to access, retrieve, and modify authenticated data using data analysis
PO 7	Life-long learning and Research related skills: Ability to habitualize self-learning and self-motivation Acclimate to the ever-increasing demands of the workplace and life. Skill in planning, conducting, and reporting the outcomes of an experiment or investigation. Ability to define a problem, test the problem, pose appropriate questions, and synthesize and articulate the problem
PO 8	Environmental Longevity: Get environmental awareness and follow eco-friendly practices to create a clean environment.

PO 9	Moral and Ethical Consciousness: Ability to live moral and ethical ideals and to use ethical practices in all aspects of one's job. Capable of demonstrating the ability to recognize ethical issues relevant to one's work, abstain from unethical behavior, show respect for environmental and sustainability issues, and act impartially and truthfully in all aspects of one's work.
PO 10	Effective Project Management: Determine the project's goals, objectives, and components, as well as the appropriate completion date. Plan and organize in such a way as to meet the targets on time. Be capable of recognizing opportunities and developing contingency plans.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

Intending to enable students to gain a comprehensive understanding of computer knowledge as a field of study, both theoretically and practically, the Department of Computer Applications of PSC & KVSC Government College offers two three-year undergraduate programs (B.Com CA) that span six semesters. The following competencies and skills will be acquired by students upon successfully completing the B.Com Computer Applications Degree Programme.

PSO 1	Proficient use of business software such as spreadsheets, databases, and programming languages.
PSO 2	Capability to analyze business needs and create information systems that are organized, secure, and aligned with organizational goals..
PSO 3	Skillful application of computer tools for analyzing business processes, extracting insights from data, and supporting informed decision-making.

PSO-PO MAPPING

	POs										
PSOs		1	2	3	4	5	6	7	8	9	10
	1	*		*	*		*	*	*	*	*
	2	*	*	*	*		*	*	*	*	*
	3	*		*	*	*		*	*	*	*

COURSE OUTCOMES (COs)

Course Code: **C1**

Course Name: **Information Technology**

Upon completion of this course, the student will be able to:		PSOs	POs
CO 1	Understand the fundamentals of Computer and its components, Memory devices	1,2	1,7
CO 2	Understand the types of Software, Compiler, Interpreter, Network and Internet basics	1,2	3,6
CO 3	Understand the concepts of MS- WORD, create, edit, and Format the documents, Mail Merge.	1,2	2,5,6
CO 4	Apply formulas and functions, Spreadsheets, and Data Visualizations in EXCEL	1,2,3	3,4
CO 5	Create and manipulate Slide Presentation, Slide Transition Effects, and Custom Animation.	1,2	2

Course Code: **C2**

Course Name: **E-commerce and Web Designing**

Upon completion of this course, the student will be able to:		PSOs	POs
CO 1	Understand the concepts of E-commerce, Framework, Applications and its Models.	1,2,3	1,3,4
CO 2	Understand the various Electronic Payment System, Risks ,EDI, Value Added Networks	1,2,3	1,3,4
CO 3	Design a Web Page using Text Formatting Tags, Images, Tables, Lists and Hyperlinks.	1,2	2,3,4,5,6
CO 4	Apply the concepts of Cascading Style Sheets,CSS Selectors ,Types of Style Sheets.	1,2	3,4,6
CO 5	Create a Dynamic Webpage with validation using Java Script objects,Events.	1,2	2,3,4,5,6

Course Code: C3

Course Name: Programming with C & C++

Upon completion of this course, the student will be able to:		PSOs	POs
CO 1	Design programs involving control structures, loops.	1,3	1,4,7
CO 2	Understand the usage of arrays, strings and functions	1,2	3,4,6,7
CO 3	Understand the Object Oriented Programming concepts using the C++ language	1,2,3	3,4,6,7,10
CO 4	Understand the concept of Constructor, Inheritance and its types.	1,2,3	3,4,6,7
CO 5	Construct the C++ Programs using Operators overloading and Exception handling	1,2,3	3,4,6,7,9,10

Course Code: C4

Course Name: Object-Oriented Programming using Java

Upon completion of this course, the student will be able to:		PSOs	Pos
CO 1	Understand the basic concepts of Object Oriented Programming.	1,2,3	1,4,5,7
CO 2	Write Java programs involving control statements, arrays, String and String Methods.	1,2,3	3,4,6,7
CO 3	Develop reusable programs using the concepts of class, object, inheritance, polymorphism	1,2,3	3,4,6,7
CO 4	Understands the concept of Packages, Creating a File , Read/Write the Files	1,2,3	3,4,6,7
CO 5	Apply the concepts of Multithreading and Exception handling to develop efficient codes.	1,2,3	3,4,6,7,10

Course Code: C5

Course Name: Database Management Systems

Upon completion of this course, the student will be able to:		PSOs	Pos
CO 1	Understand Database management systems, databases and its applications.	1,2,3	1,4,7
CO 2	Understand the drawbacks of Traditional File Systems	1,2,3	4,7,9
CO 3	Model an application's data requirements using conceptual modeling tools like ER diagrams	1,2,3	3,4,7
CO 4	Write SQL commands to create tables, insert/update/delete data and query data in relational DBMS	1,2,3	3,4,7
CO 5	Understand the PL/SQL structure ,cursors, exceptional handling and Triggers	1,2,3	3,4,7,10

Course Code: 6A

Course Name: BIGDATA ANALYTICS USING R

Upon completion of this course, the student will be able to:		PSOs	Pos
CO 1	Understand data and classification of digital data	1,2,3	1,3,4,6,7
CO 2	Understand Big Data Analytics.	1,2,3	1,3,4,6,7,9,10
CO 3	Implement R language programs using data types, expressions, functions, and control statements.	1,2,3	1,3,4,6,7
CO 4	Organize data in the form of R objects and manipulate them as needed.	1,2,3	1,3,4,6,7
CO 5	Perform analytics using R programming	1,2,3	1,3,4,6,7,9,10

Course Code: 7A

Course Name: DATA SCIENCE USING PYTHON

Upon completion of this course, the student will be able to:		PSOs	Pos
CO 1	Understand basic concepts of data science	1,2,3	1,3,4,6,7,10
CO 2	Understand why Python is useful and use standard programming constructs like selection and repetition	1,2,3	1,3,4,6,7,9
CO 3	Use collections (list, tuple, and dictionary), and implement applications using them.	1,2,3	1,3,4,6,7
CO 4	Implement functions and modules	1,2,3	1,3,4,6,7
CO 5	Implement object-oriented applications using Python classes and objects.	1,2,3	1,3,4,6,7,9