

DEPARTMENT OF COMPUTER APPLICATIONS, GDC RAMNAGAR

Programme Outcome:

- Learner will establish themselves as technically proficient human resource with sense of problem solving, logical/ critical thinking and team work.

Programme Specific Outcome:

- Preparing learners for a career in IT related fields.
- Preparing learners for higher studies in the field of Computer sciences.
- Preparing learners for design and development of computer based systems.

Course outcomes:

Course	Outcome
Fundamentals of Computers and IT tools	<ul style="list-style-type: none">• To understand the basics of Computers and related terms/ concepts.• To enable learners to use basic editing and information processing tools like text editors and spreadsheets.
Programming using C language	<ul style="list-style-type: none">• To learn general programming skills.• To learn C language for programming.• To develop logical thinking among the learners.• To develop problem solving skills.
Data Structures using C	<ul style="list-style-type: none">• To study various elements, tools and techniques of data storage in computer systems.• To develop advanced programming skills.• To study basic search and sorting algorithms.
Database Management System (DBMS)	<ul style="list-style-type: none">• To learn the basic concepts of Database and relational databases in particular.• To use basic query languages for working with databases.• To prepare learners for career in the field of Database management.
Operating Systems	<ul style="list-style-type: none">• To learn various concepts and functions of different operating systems.• To understand the mechanism of process and thread models in operating systems.• To learn about various memory management techniques.
Data Communication and Computer Networks	<ul style="list-style-type: none">• To gain knowledge about the basics of networking, its techniques and applications.• To study TCP/IP protocol suite and OSI reference models with details about the techniques used in these models.

Fundamentals of Electronics	<ul style="list-style-type: none"> • To introduce learners to the electronic components used in the Computer systems. • To learn various number systems and their use in the Computer systems. • To learn components used for memory storage in the Computer systems.
C++ language	<ul style="list-style-type: none"> • To learn the basic concepts of object oriented programming. • To learn the problem solving skills using Object oriented techniques available in C++.
VB.Net	<ul style="list-style-type: none"> • To learn various elements of VB.net technology. • To enable learner to develop GUI/ window based application in VB.net.
Android Programming	<ul style="list-style-type: none"> • To learn the basics of application development in mobile devices. • To learn the various Android development tools and techniques. • To learn the development of simple mobile applications for Android OS.

Attainment of Programme outcome, programme specific outcome and course outcome :

The department is striving hard to achieve the outcomes in all three of the above mentioned categories. For Programme outcomes and Programme specific outcomes the faculty focuses on the practical and real world applications of the concepts taught in the classrooms. The Department frequently organizes class level seminars/ presentations and group discussions to inculcate important technological and communication skills among the students. These activities make the students more adaptable and industry ready once they step out of the College.

For Course outcomes, well framed syllabus and use of ICT techniques for teaching is helpful in improving the core knowledge of the subject and thereby preparing and motivating the learners for higher studies in the subject. The timely class tests in addition to internal assessment tests and semester end exams gives opportunity to the learners to study well in proper pace leading to better grasp of the subject. Besides these, the surprise tests and spontaneous questions in the class keep the students attentive in the class leading to better understanding of the concepts being taught in the class. The concerned teachers prepare the lecture plans well in advance and same is shared with the students and IQAC of the College for proper monitoring and implementation of the same. The department also organizes remedial classes for the slow learners so that they can match others in their studies.