

2.6.1. Programme and course outcomes for all programmes offered by Institution

Program Name: - BA (Bachelor of Arts)

Outcome

BA (English)	Students are taught English as second language with an objective to hone their basic linguistic skills-listening, speaking, reading, and writing along with communication skills in such a way that they are groomed to be cultured, informed and insightful citizens. By pursuing English as a subject multiple spheres are open for them as they can make their career in media and journalism, teaching, publication, editing and any field related to development of soft skill.
BA (Punjabi)	Students are able to learn and understand about Mother Language, Cultural Process, Instil, Ethical and human values of life. Students learn personal, social, natural feeling, emotions, historical knowledge and overview of Punjabi literature.
BA (Hindi)	Students are able to learn and understand about National Language, Cultural Process, Instil, Ethical and Human Values of Life. Students learn personal, social, natural feeling, emotions, historical knowledge and overview of Hindi literature. Students are able to take position in career in communication media, teaching, anchoring, creative writing, cultural experts, translators, acting and lyrics writer. Students can work anywhere in India, as they know Hindi – our National Language.
BA (Music Vocal)	The objective of Music is to strengthen the mental and spiritual aspects of students to engrave in them the human qualities and sense of responsibility. Music has much scope in entertainment industry of today and advance era. It has vast scope in singing profession, and also it has inseparable role in Indian cultural and ethical values. Many career options such as music arranger, composer, instrument player,

	teaching, music therapist are available
BA (History)	<p>History is the branch of knowledge dealing with past events. It is a continuous, systematic narrative of past events as relating to a particular people, country, period, person etc. History provides a sense of context for our lives and our existence. The past causes the present and so the future. These specializations will help you decide which career path to take. History graduate go on to pursue careers in Research and Heritage, Government Organization, Museum, Curator, Archaeology, Historian, Education, Teacher, Lectureship as well as even marketing, advertising, public relations and journalism. Park Rangers, Museum Archivist, Librarian, writer or editor, Lawyer, Archaeologists, philosophers and politicians are other career options available to history students.</p>
BA (Physical Education)	<p>The learning outcomes of course for students are to acquire in depth knowledge regarding sports human body, and injuries etc. The main objective of course (Physical Education) is physical activity that can have an impact on cognitive skills and attitude and academic behaviour, all of which are important component of improved academic performance. Physical Education explicitly teaches the necessary knowledge and skills for working with the relating to others and provides the learning opportunities to develop these skills. It enables the development of leadership and teamwork skills and encourages students to transfer knowledge to other learning areas.</p>
BA (Economics)	<p>The scope of the subject is significant at both national and international level because the ever increasing role of economics is being understood by nations and organizations. There is extensive demand for economic researchers, analyst, consultants and strategists who are well trained to understand the changing economic trends. Banking, industrial sectors, taxation, finance and several other areas</p>

	<p>require basic to advance knowledge of economics. There are both public and private sector jobs available in abundance. Indian economic service is one of the most aspired bureaucratic jobs. Thus, in order to establish a shining career with great economic growth economic can serve as the right career option.</p>
BA /B.Sc.(Mathematics)	<p>The objective of Mathematics is to expand the ability and clarify the mind in order to enhance the overall development of individual.</p>
BA (Office Management)	<p>Understanding and defining the crucial role of an office manager. Identify the keys of robust and effective organisation. Understanding the role of budgets in office management. Acquire skills to manage difficult people, situations and stress in a calm and effective manner. Identify skills and competencies of an office manager. Develop processes for office operations. Identify components of office management role and procedures and team dynamics. Communicate findings using business software applications (MS office: Word, Excel and PowerPoint)</p>
BA (Political Science)	<p>Student will be in a better position to comprehend the Indian as well as world political system. The students will have thorough knowledge of the major ideologies prevailing in the world i.e. Liberalism, new liberalism, Marxism etc. Student gets knowledge about the constitution of India which really helps all the students who want to pursue their career in law. Apart from this civil services, teaching, job in NGO, judicial services etc. are other options in which one can pursue his career.</p>
BA /B.Sc.(Computer Science)	<p>Students get awareness about the basic concepts of the Office Automation and Data Processing. Students learn about the Basic Concepts of Procedure Oriented Programming</p>

	and Object Oriented Programming. Students learn about the Database Management System using SQL. Students become aware of Web Technologies which includes E-Commerce and Designing and Programming Web Applications.
BA (Sociology)/MA (Sociology)	Sociology is a good subject for undergraduate and post graduate students. A degree in this subject equips them to understand society, human behaviour, their relationships, culture etc. With that knowledge candidates may become suitable for wide variety of subjects like social worker, analyst, public relations specialist, social and community manager, substance abuse counsellor, behavioural disorder counsellor, child and youth welfare, child welfare officer, teacher, professor, employment counsellor etc. In post graduation the students have hand to hand experience of conducting research. A small field work/project is handled by them due to which they grab the research experience which help them in M.Phil & Ph.D.

Program Name: - Bachelor of Computer Science

Outcome

Fundamentals of Mathematical Statistics	The objective of course is to teach the students Basic Techniques of Statistics Methods.
Computer Fundamentals and Computing Software:	The objective of this course is to introduce complete fundamentals and the packages commonly used in computing software.
Problem Solving Through C	The objective of this course is to make the students understand programming language concepts, which includes control structures, reading a set of data, stepwise refinement, function and arrays

Computer Organization	This course enables the student to understand the basic organization of computer system and system maintenance
Fundamentals of Web Programming	Students get awareness about Web Application Development using HTML, DHTML, CSS, JavaScript and Dreamweaver
Object Oriented Programming using C++	This course increases the knowledge of students about Object Oriented Programming Techniques using C++.
Information System Design and Implementation	The objective of this course is, to aware the students about the various aspects of Information Systems developed their analysis and design. The motive is to aware the learners about pre requisite of software development and associated paradigms
Computer Oriented Numerical Methods	Students are able to understand the essential techniques of Numerical Methods. Students will be able to solve various Scientific and Engineering field's problems
Data Structures	Students will go through the various data structures and the basic operations performed on various Data Structures. At the end of course the student will have complete knowledge of data structures, so students will be able to use them for solving real world problems
Software Project Management: Operating	At the end of the course the student will be able to apply software project management techniques to manage a software project.
System Concepts and Linux	Students learn the advance concepts of Operating system and this course improves the skills of students in operating systems concepts using Linux commands.

Database Management System	Students are able to understand concepts of database management system and implement them using SQL (Structured Query Language).
Computer Networks:	The aim of the course is to provide valuable information about computer network and related hardware and software using a layered architecture. It also makes students understand the concepts of network security, wireless and various emerging network technologies in the market
Discrete Mathematical Structure	: Students will learn and obtain the knowledge of Logic, Relations and Functions and Algebraic Functions and Graph Theory.
Java Programming:	Additionally, this course will to provide all the knowledge of programming in JAVA and its concepts to develop various applications.
Web Application Development using PHP:	Furthermore, students will study web programming using PHP and MySQL. As a result, they would be able to develop websites and other web based applications.
E-Commerce	The aim of this course is to provide information about the working of electronic commerce and familiarizes students with the technology involved in it.
Application Development using VB.Net	: The students would be able to develop applications using event driven programming with VB.net (as front end) and accessing database at back
Computer Graphics and Multimedia Applications	At last, trainees' are introduced to basic computer graphics concepts and algorithms and they will also learn about how to develop multimedia applications.

Program Name :- B.Sc. (Non-Medical)

Outcome

<p>Physics</p>	<p>Astronomy is a combination of Physics, Chemistry and Mathematical principles/rules. It deals with detailed study of the physical, chemical and dynamic properties of celestial objects. It also deals with the phenomena over and above earth's atmosphere. There is associated study of calculations of orbits, gravitational forces, satellites, meteors, galaxies comets, stars, planetary objects, planets, satellites etc. In Astrophysics, students come to explore and ensure properties/nature of the astronomical objects with the help of laws of physics.</p> <p>Principles of mechanise and energy to design machines and devices right from automobiles trucks and airplanes to trains tractors, fax machines etc are taught.</p> <p>The students go for atmospheric studies to know and predict weather and climate. It is the examination of the atmospheric and climate conditions affecting the earth and its population.</p>
<p>Chemistry</p>	<p>Inorganic Chemistry: Objective of the course is to teach the fundamental concepts of chemistry and their application. According to the syllabus due importance is given to requisite intellectual and laboratory skills.</p> <p>Organic Chemistry: Introduces functional groups, nomenclature structure and chemistry of alkanes, alkenes and alkynes, conjugation in alkenes, concerted reactions (Diel-Alder Reaction), IR Spectroscopy, stereochemistry reaction mechanisms and special topics as time and interest permit.</p>

	<p>Physical Chemistry: In physical chemistry, physics and math are combined to understand and describe atoms and molecules, getting to the theoretical basis for thermodynamics, kinetics, electron configurations and even the phases of matter</p>
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Program Name :- B.Com (Bachelor of Commerce)

Course code	Course Title	Course Outcome
BCM 101A+201A BCM 101B+201B	PUNJABI HISTORY AND CULTURE OF PUNJAB	To introduce the history of Punjab region.
BCM 102+202	ENGLISH AND BUSINESS COMMUNICATION SKILLS	To provide knowledge about writing and communicating skills used in business.
BCM 103	PSYCHOLOGY FOR MANAGERS	To provide broad understanding about basic concepts and techniques of human behavior.
BCM 104	BUSINESS ECONOMICS I	To understand the application of economic principles in business management.
BCM 105	FINANCIAL ACCOUNTING	To acquire conceptual knowledge of financial accounting to record business transactions.
BCM 106	COMMERCIAL LAWS	To provide knowledge about commercial laws.
BCM 107	PRINCIPLES AND PRACTICES OF MANAGEMENT	To understand the process of business management and its functions.
BCM 203	E-COMMERCE	To understand the applicability of IT tools and techniques in business transactions.
BCM 204	BUSINESS ECONOMICS II	To provide knowledge about concepts of distribution and modern tools of macro-

		economic analysis.
BCM 205	CORPORATE ACCOUNTING	To provide knowledge about basics of corporate accounting with relevance of accounting standards.
BCM 206	BUSINESS LAWS	To acquire the knowledge about business laws.
BCM 207	HUMAN RESOURCE MANAGEMENT	To familiarize with the different aspects of managing human resource in the organization.
BCM 301	ISSUES IN INDIAN COMMERCE	To acquire basic knowledge of different issues faced in progress and process of commerce in India.
BCM 302	COST ACCOUNTING	To acquire conceptual knowledge of cost accounting and elements of cost.
BCM 303	COMPANY LAW	To understand the various provisions of Companies Act 2013.
BCM 304	BUSINESS MATHEMATICS AND STATISTICS	To understand the mathematical and statistical tools in business decisions.
BCM 305	BANKING AND INSURANCE	To provide knowledge about indian banking and insurance industry.
BCM 306	GOODS AND SERVICES TAX	To understand the basics of GST.
BCM 401	SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT	To provide comprehensive knowledge about security analysis and portfolio management while taking investment decisions.
BCM 402	ADVANCED ACCOUNTING	To provide knowledge about advanced accounting problems with the relevant Indian Accounting Standards.
BCM 403	AUDITING AND	To understand the concept and

	SECRETARIAL PRACTICES	issues in Auditing and Secretarial practice.
BCM 404	COST MANAGEMENT	To provide knowledge about various methods of cost determination and tools and techniques of cost control.
BCM 405	MARKETING MANAGEMENT	To understand basic concepts, philosophies, process and techniques of marketing.
BCM 406	QUANTITATIVE TECHNIQUES AND METHODS	To provide knowledge about various quantitative techniques and methods used in managerial decisions.
BCM 501	INCOME TAX LAWS	To impart basic knowledge of the provisions of Income Tax Laws in India .
BCM 502	MANAGEMENT ACCOUNTING	To study the concepts of Management Accounting.
BCM 503	INDIAN ECONOMY	To study about economy of India.
BCM 504	PRODUCTION AND OPERATIONS MANAGEMENT	To understand the concepts of production and operations management of an industrial undertaking.
BCM 505	ENTREPRENEURSHIP AND SMALL BUSINESS	To study about use entrepreneurial skills in economic development.
BCM 506	FINANCIAL MARKETS AND SERVICES	To familiarize traditional and modern financial markets and services.
BCM 601	DIRECT TAX LAWS	To provide knowledge about provisions of Income Tax laws in India.
BCM 602	FINANCIAL MANAGEMENT	To provide knowledge about principles and practices of Financial Management.
BCM 603	ISSUES IN FINANCIAL REPORTING	To study about developments and reporting issues at the national and international

		level.
BCM 604	SOCIAL AND BUSINESS ETHICS	To educate about the use of ethics in business and contributes in the achievement of corporate excellence.
BCM 605	OPERATIONAL RESEARCH	To understand the concept and techniques of Operations Research for taking Business Decisions.
BCM 606	SECTORAL ASPECTS OF INDIAN ECONOMY	To provide insight into the various Sectoral aspects of Indian Economy.

Programme - **BACHELOR OF BUSINESS ADMINISTRATION**

<u>Course code</u>	<u>Course Title</u>	<u>Course Outcome</u>
BBA 101A+121A BBA 101B+121B	PUNJABI HISTORY AND CULTURE OF PUNJAB	To study vocabulary words, stories and lessons. To introduce history of Punjab region.
BBA 102	ORGANIZATION BEHAVIOUR	To understand basic concepts and techniques related to the study of human behavior.
BBA 103	FUNDAMENTALS OF IT	To provide fundamental knowledge about IT
BBA 104	MANAGEMENT CONCEPTS AND PRACTICES	To understand the process of business management.
BBA 105	FINANCIAL ACCOUNTING	To familiarize with accounting principles and techniques of recording accounting information.
BBA 106	BUSINESS ECONOMICS I	To study the basic concepts of micro and macro economics for business decisions.
BBA 122	BUSINESS STATISTICS	To impart with basic knowledge of statistics.

BBA 123	BUSINESS ECONOMICS II	To study the modern tools of macro-economic analysis.
BBA 124	LEGAL ASPECTS OF BUSINESS	To provide basic knowledge of the important business laws.
BBA 125	PERSONALITY DEVELOPMENT AND PROFESSIONAL SKILLS	This course deals with personality development, creativity skills and ethics in business.
BBA 126	MANAGERIAL ACCOUNTING	To acquaint students with concepts of cost and management accounting.
BBA 201	ENGLISH AND BUSINESS COMMUNICATION SKILLS	To study about business communication skills.
BBA 202	OPERATIONS RESEARCH	To understand the concepts of operations research.
BBA 203	MARKETING MANAGEMENT	To understand the concept, philosophies, process and techniques of marketing.
BBA 204	ECONOMICS OF MONEY AND BANKING	To understand the concepts of economics of money and banking.
BBA 205	LEGAL FRAMEWORK FOR COMPANIES	To study the provisions of Companies Act.
BBA 206	TAX LAWS I	To impart basic knowledge of the provisions of direct tax laws in India.
BBA 221	ENGLISH AND BUSINESS COMMUNICATION SKILLS	To provide knowledge about communication skills and English language.
BBA 222	FINANCIAL MANAGEMENT	To familiarize with principles and practices of financial management.
BBA 223	RESEARCH METHODOLOGY	To provide knowledge about fundamentals of business research.

BBA 224	HUMAN RESOURCE MANAGEMENT	To study different aspects of managing human resources.
BBA 225	TAX LAWS II	To acquire the knowledge about tax laws.
BBA 226	FUNDAMENTALS OF ELECTRONIC COMMERCE	To provide knowledge Electronic commerce.
BBA 301	INSURANCE AND RISK MANAGEMENT .	To familiarize with principles and practices followed in insurance sector.
BBA 302	INTERNATIONAL BUSINESS	To study concepts, importance and dynamics of international business.
BBA 303	BUSINESS ENVIRONMENT	To study the environment in which business operates.
BBA 304	ENTREPRENEURSHIP	To help the learners to understand the qualities of successful entrepreneurs.
BBA 305	CONSUMER BEHAVIOR	To understand the process of consumer behavior.
BBA 306	SALES AND DISTRIBUTION MANAGEMENT	To understand the concepts which are helpful for developing sound sales and distribution policy.
BBA 321	BUSINESS POLICY AND STRATEGY	To give an insight into strategic planning process done by organizations.
BBA 322	PRODUCTION AND OPERATIONS MANAGEMENT	To impart knowledge about tools and techniques of production and operations management.
BBA 323	SOCIAL AND ETHICAL ISSUES IN BUSINESS	To study the importance of ethics in business.
BBA324	PROJECT REPORT	Project is based on research and viva is conducted a external examiner.

BBA 325	ADVERTISING AND BRAND MANAGEMENT	Principles of advertising management and aspects of managing brand.
BBA 326	MARKETING OF SERVICES	To apply marketing concepts and principles to services.

Programme- MASTER OF COMMERCE

<u>Course code</u>	<u>Course Title</u>	<u>Course Outcome</u>
M. C. 101	MANAGERIAL ECONOMICS	To study the concepts of micro economic theory and their use in business decision making.
M. C. 102	QUANTITATIVE METHODS FOR BUSINESS	To learn the important statistical techniques for managerial decision making.
M. C. 103	MODERN ACCOUNTING THEORY AND REPORTING PRACTICES	To equip the students with the required knowledge of international financial reporting standards and practices.
M. C. 104	ORGANIZATION THEORY AND BEHAVIOR	To understand the structure and behavior in the organization.
M. C. 105	MARKETING MANAGEMENT	To familiarize with the basic concepts and principles of marketing and to develop the conceptual and analytical skills of students.
M. C. 106	MANAGEMENT INFORMATION SYSTEM	To offer comprehensive overview of management information system.
M. C. 107	WORKSHOP ON IT	To expose the students with the use of IT technologies to solve the business problems.
M.C. 201	BUSINESS ENVIRONMENT	To study the concepts of macro economics and macro environment in which business operates.

M. C. 202	RESEARCH METHODOLOGY IN COMMERCE	To impart the knowledge about various stages of research processes.
M. C. 203	FINANCIAL MANAGEMENT AND POLICY	To study the basic analytical methods and techniques of financial management of business firms.
M. C. 204	PRODUCTION AND MATERIALS MANAGEMENT	To impart the knowledge regarding tools, techniques and processes of production and operations management.
M. C. 205	OPERATIONS RESEARCH	To understand the concepts and techniques of operations research in business decision making.
M. C. 206	BUSINESS POLICY AND STRATEGIC MANAGEMENT	To understand the basic inputs in making and implementing corporate strategic decisions.
M. C. 207	SUMMER TRAINING REPORT AND VIVA-VOCE	To study a particular problems in industrial undertakings with duration of 6-8 weeks.
M. C. 301	BUSINESS PERFORMANCE MEASUREMENT	To familiarize with performance measurement techniques for business.
M. C. 302	TAX PLANNING AND MANAGEMENT	To familiarize with the latest provisions of indian tax laws pertaining to corporate enterprises.
M. C. 303	INTEGRATED MARKETING COMMUNICATION AND BRAND EQUITY	To study the integrated role of promotion techniques with special emphasis on advertising.
M. C. 304	MARKETING RESEARCH	To understand the concepts, tools and techniques of marketing research.
M. C. 313	BANK MANAGEMENT	To study the rules and regulations of banking sector.
M. C. 314	INSURANCE MANAGEMENT	To study the risks and their management with different insurance plans and policies.

M. C. 315	WORKSHOP ON FINANCIAL MARKETS AND INSTRUMENTS	To provide an overview of financial markets and instruments.
M. C. 401	PROJECT PLANNING AND CONTROL	To provide the necessary skills to create, plan and control new project.
M. C. 402	KNOWLEDGE MANAGEMENT	To create awareness among students to know the details of knowledge management in changing scenario.
M. C. 403	BUSINESS ETHICS AND CORPORATE GOVERNANCE	To study importance of ethics in business and excellence in corporate governance.
M. C. 404	ADVERTISING AND SALES MANAGEMENT	To understand the modern concepts and latest techniques of advertising and personal selling.
M. C. 405	SERVICES MARKETING	To understand the service product and key elements of services marketing mix.
M. C. 406	CONSUMER BEHAVIOR	To understand the behavior of consumer for marketing decision making.
M. C. 422	COMPREHENSIVE VIVA-VOCE	Conducted by external examiner based on all the subjects studied in four semesters.

Program Name - Master of Arts

Outcome

MA (Political Science)	<ul style="list-style-type: none"> • To develop comprehensive understanding of the subject by teaching both conventional and new areas of relevance in the domain of political theory and philosophy, Indian politics, comparative politics, public administration and international politics. • To develop comprehensive and
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	<p>interdisciplinary knowledge by emphasizing inter-linkages between various political, economic and social issues and challenges.</p> <ul style="list-style-type: none"> • To generate socially-informed knowledge and cater to the educational upliftment of marginalized communities through papers like Human Rights, Political Ideas in Modern India and Women and Politics in India. • To develop theoretically rich and empirically grounded knowledge. • To motivate and inform students about the opportunities and future prospects in the field. • To develop the overall personality of students and prepare them to compete and succeed in their endeavours. • To provide a progressive, healthy and vibrant environment to its students as well as teachers for the purpose of developing a department known for its academic and intellectual pursuit. • To inculcate the values of tolerance, progressiveness and fraternity that • contributes towards the making of a healthy and prosperous society. • An M.A. Dissertation and its viva-voce was also introduced in 2019 to train the students in writing research papers.
<p>MA (Punjabi</p>	<ul style="list-style-type: none"> • Students are able to learn progressive evolution of Punjabi Language and Culture. • Student learn about principles of whole

	<p>literature</p> <ul style="list-style-type: none"> • Students are able to make comparative study in medieval and modern studies. • Students are able to understand personal, social, natural, experience of life and able to understand writing of eminent authors to expand their vision and knowledge. • Student are able to take position in career in communication, media, teaching, anchoring, creative writing, cultural experts, translators, acting and lyrics writer.
<p>MA (Sociology)</p>	<p>Sociology is a good subject for undergraduate and post graduate students. A degree in this subject equips them to understand society, human behaviour, their relationships, culture etc. With that knowledge candidates may become suitable for wide variety of subjects like social worker, analyst, public relations specialist, social and community manager, substance abuse counsellor, behavioural disorder counsellor, child and youth welfare, child welfare officer, teacher, professor, employment counsellor etc. In post graduation the students have hand to hand experience of conducting research. A small field work/project is handled by them due to which they grab the research experience which help them in M.Phil & Ph.D.</p>

Program Name: - M.Sc. Physics

Outcome

<p>Mathematical Physics</p>	<p>The aim of the course is to teach the students</p>
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	about mathematical techniques for understanding theoretical treatment in different courses.
Quantum Mechanics	The objective of the course is to introduce M.Sc. students to the formal structure of the subject and to equip them with techniques of linear vector space and matrix mechanics
Electronics	It covers basic circuit analysis, two port network analysis, analysis of circuit in frequency domain etc.
Nuclear Physics	The aim of the course is to familiarize the students to basic aspects of Nuclear physics.
Experimental Techniques in Physics	The aim on the course is to expose the students to theoretical aspects of the different equipments & methods used in Nuclear and Particle Physics.

Program Name : M.Sc. Information Technology

Outcome

Linux Administration and Programming:	This course enables students to get familiar with Linux system, its commands, files & directories, system, shell programming, PERL programming and system administration
Software Engineering:	This course enables students to understand Software Configuration Managements Tools and Techniques
Computer Algorithm:	The objective of the module is to create skills in students to design and analyze algorithms,
Operating System Concepts:	Students will understand the concepts of

	Operating System and can manage various processes and use the scheduling algorithms. They will manage the files on the disk with effective outcome
Advance Java and Network Programming:	This course enables student to enhance the programming skills using object oriented Programming approaches. After the completion of this course, student will be able to create enterprise and standard applications in Java, develop web applications with database support, and develop client server based applications. ∴
E-Commerce and Emerging Trends	This course enables students to be familiar with Fundamentals of Electronic Commerce and Emerging Technologies such as Parallel Computing, Cloud Computing, grid computing, Mobile Computing, and Concept of big data
Advanced Database System and MySQL	The course aims at providing the students through insight on few DBMS principles and practices. Students will learn and implement the operations for making and using databases with help of SQL and PL/SQL.
Artificial Intelligence:	This course enables students to understand Artificial Intelligence techniques and the Language LISP. After the completion of this course, student will be able to apply standard AI techniques to solve problems, characterize the Knowledge Acquisition, and differentiate various expert systems.
Net Framework And C#:	This course aims at making a student capable of developing console, windows and web applications using C# on .NET platform.

Theory Of Computation	: The aim of this course is to provide students with an understanding of basic concepts of Theory of Computation.
Computer Graphics	This course enables students to understand graphics hardware and various 2D and 3D algorithms. They Implement the principles and commonly used paradigms and techniques of computer graphics. Use open proficiently using C / C++.
Systems Approach to Management and Optimization Techniques:	This course enables students to be familiar with different types of Info systems, basics Of DR and its practical problems.

Program Name : PGDCA (Postgraduate Diploma In Computer Applications)

Outcome

Computer Fundamentals:	The objective of the course is to familiarize students with basic concepts related to Computers, DOS, Windows, Linux and C the packages commonly used in computing software.
Computer Programming Using C:	Students get awareness about programming concepts of 'C' including functions, Arrays, strings etc
Data Base Management System	The objective of the course is to make the students understand Database concepts and SQL and implement them using Database software.
Data Communications and Networks:	This course enables the student to understand the Layered structure of Networks and working of different Layered.

Object Oriented Concepts Using JAVA	Students are able to understand concepts of Object Oriented including inheritance, visibility control etc. using JAVA programming language.
Web Technologies	This course familiarizes students with concepts of HTML, CSS, JAVA Scripts and PHP
Software Engineering	The concepts related to Software Engineering including process model, project management, and design and testing.
Computer Based Accounting	Students are able to understand concepts of accounting principle and this course increases the knowledge of students about computerized accounting.
Project Work:	At the end of the course the student will be able to develop Major Project on any database application using any database development tool is to be developed/ Development of a Web Site using Database connectivity