

RJS FIRST GRADE COLLEGE

Koramangala, 3rd Block, Bengaluru-560034.

LEARNING OUT COMES

Name of the Programme: B. Com (Bachelor of Commerce)

Programme out comes

- PO 1. To gratify to the manpower needs of companies in Accounting, Taxation, Auditing, Financial analysis and Management.
- PO 2. To progress business analysts for companies, capital markets and commodity markets.
- PO 3. To make students to take up higher education to become business scientists, researcher's, consultants and teachers, with core competencies.
- PO 4. To develop human resources to act as think tank for Business Development related issues.
- PO 5. To develop entrepreneurs.
- PO 6. To develop business philosophers with a focus on social responsibility and ecological sustainability.
- PO 7. To develop IT enabled global middle level managers for solving real life business problems and addressing business development issues with a passion for quality competency and holistic approach.
- PO 8. To develop ethical managers with interdisciplinary approach.
- PO 9. To prepare students for professions in the field of Accountancy - Chartered Accountancy, Cost and Management Accountancy, Company Secretary, Professions in Capital and Commodity Markets, Professions in life and non-life insurance and professions in Banks by passing the respective examinations of the respective professional bodies.
- PO 10. Also to develop the students for competitive examinations of UPSC, KPSC, BSRB, Staff Selection Commission, etc.

PROGRAMME SPECIFIC OUT COMES (PSO)

- PSO 1. To enable the students to understand basic concepts of entrepreneurship and preparing a business plan to start a small industry.
- PSO 2. To make the students familiarize with the structure, organization and working of financial system in India.
- PSO 3. To mark the students familiarize with the law and operations of banking.

PSO 4.To offer basic knowledge of business ethics and values and its relevance in modern context.

PSO 5.To provide students with a conceptual framework of stock market and Commodity markers, functions in these markets and their mode of trading.

PSO 6.To familiarize the students on the use of cost accounting system in different nature of business.

PSO 7.To brand the students familiar with the process and preparation of accounts of different types of organizations.

PSO 8.To enable the students to understand assessment of firms and companies with regard to Income tax act.

PSO 9.To introduce the students to various Business Regulations and familiarize them with common issues of relevance

PSO 10. The main aim is to imparting knowledge about the principles and methods of auditing and their applications

COURSE OUT COMES

SNO	Course	Outcomes
1	Financial Accounting	To acquaint students with the accounting concepts, tools and techniques influencing business organization
2	Marketing and Service Management	To familiarize the students with the principles of marketing and focus them towards Marketing and Management of services
3	Corporate Administration	To enable the students to get familiarized with the existing Company law and Secretarial Procedure
4	Methods and Tanique's for Business Decision	To provide basic knowledge of mathematics and their application to commercial situations
5	Advanced Financial Accounting	To acquaint the students with the few accounting standards and make them familiar with the accounting procedures for different type of business
6	Retail Management	To enable the students to acquire skills in Retail Management
7	Quantitate Analysis for Business Decision	To provide basic knowledge of statistics and their application business situation
8	Corporate Accounting	To enable the students to have a comprehensive awareness about the provisions of the Company's Act and Corporate Accounts
9	Financial Management	To enable students to understand the basic concepts of Financial management and the role of financial management in decision making

10	Public Relations and Corporate Communication	To create awareness in the students on the soft skills to plan and pursue a career and empower them employability skills
11	Advanced Corporate Accounting	To enable the students to develop awareness about Corporate Accounting in conformity with the Provisions of Companies act and latest amendments
12	Cost Accounting	To familiarize students with the various concepts and elements of cost
13	E-Business and Accounting	To familiarize the students with E-Commerce models and Tally
14	Principles of Event Management	To provide students with a conceptual framework of Event Management
15	International Financial Reporting Standards	To enable the students to understand the need and method of presentation of financial statements in accordance with international financial reporting standards.
16	Income Tax 1	To expose the students to the various provisions of Income Tax Act
17	Income Tax 2	To make the students to understand the computation of Taxable Income and Tax Liability of individuals
18	Management Accounting	To enable the students to understand the analysis and interpretation of financial statements with a view to prepare management report for decision making
19	Goods and Services Tax	To equip the students with the principles and provisions of goods and service tax and provide insight in to practical aspects and apply the provisions of GST laws on various situations
20	Cost Management	To enable the students to understand techniques used to control as well as reduce the cost

Name of the Programme: B.Sc Biotechnology, Genetics, Biochemistry

Programme out comes (PO)

PO 1. To Provide the education that leads to widespread perceptive of the principles and practices of specified area. The students understand and evaluate the significance of advanced life sciences.

PO 2. To ensure and make students with the current scientific literature and laboratory techniques to address definite problems in the field of applied life sciences research.

PO 3. To Provide broad training in important methods of basic and applied life sciences and use of a wide range of analytical techniques for the interpretation.

PO 4. To ensure students are able to effectively communicate with the basic knowledge in the specialised area.

PO 5. To produce responsible Graduates who can apply their acquired knowledge for societal upliftment through their innovations.

Programme Specific Out Comes (PSO)

PSO 1. The knowledge on specified programmes such as Biotechnology, Genetics and Biochemistry shall make Students to learn about the basic mechanisms of prokaryotic and eukaryotic cells.

PSO 2. The basic understanding on the areas of Biotechnology, Genetics and Biochemistry shall help Students to apply their knowledge for their professional development in future.

PSO3. The specified programme shall motivate Student in understanding of chemical and molecular process that occur from cellular to the molecular level. Thus the strong knowledge helps them in strengthening their career in R and D.

PSO 4. The in depth and skillful knowledge in the field makes Students realize the importance of practical applications.

PO 5. The concept of current advancements in the areas of Biotechnology, Genetics and Biochemistry would help the students to realize the importance of health care and thus we can achieve healthy society.

Course out comes

Course	Outcomes
<p>Cell biology and Genetics-Theory and Practical's</p> <p>Cell as a Basic unit of Living Systems</p> <p>Surface Architecture</p> <p>Cellular Organelles</p> <p>Chromosomes</p> <p>Cell Division</p> <p>Cell Senescence and programmed cell death</p>	<ul style="list-style-type: none"> • The course focus on understanding the general principles of cell biology and Genetics Discovery of cell, The cell Theory Ultra structure of an eukaryotic cell- (Both plant and animal cells) can be very fascinating.. • Structural organization and functions of plasma membrane and cell wall of eukaryotes. • Structure and functions of cell organelles – Endoplasmic reticulum, Golgi complex, Mitochondria, Chloroplast, Ribosomes, Lysosomes, Peroxisomes, Nucleus (Nuclear envelope with nuclear pore complex, Nucleolus, Nucleoplasm and Chromatin). Vacuole, Cytosol and Cytoskeleton structures (Microtubules, Microfilaments and Intermediate filaments). • Ultrastructure: Single-stranded and multi-stranded hypothesis, folded- fibre and nucleosome models. Special type of chromosomes: Salivary gland and Lampbrush chromosomes. • Cell Cycle and regulation, mitosis and meiosis. Also provides Better understanding from the basic theoretical concepts of cell to gene level functioning and also gain practical exposure on handling of the techniques of temporary squash preparation for microscopic examination of cell division and vital staining of specific cell organelles etc.
General Microbiology & Biostatistics-Theory	The course shall strengthen the knowledge on knowing the importance and understanding microbial world through the theoretical concepts and handling of Microorganisms in the laboratory.
General Microbiology Practical's	
Biological chemistry-Theory	The course helps in realising the importance of cellular metabolism and exposure to analysis of protein, phosphate by various methods, Preparation of Buffers etc.
Biological chemistry -Practical's	
Molecular biology -Theory	The course provides in-depth knowledge of biological and/or medicinal the underlying molecular mechanisms from basic structure of nucleic acid to their estimation.
Molecular biology -Practical's	

Genetic engineering and Environmental Biotechnology-Theory	The course helps to know about the concepts of tools of Recombinant DNA technology and environment .Also important experiments on understanding about Biological oxygen demand shall be of environmental significance.
Genetic engineering and Environmental Biotechnology-Practical's	
Immunology & Animal Biotechnology-Theory	The course is designed to provide students a perspective on recent advancements in immunology and animal biotechnology. It's one of the interesting aspect to understand the effective functioning of immune system. Also the diagnosis of various diseases using kits, some of the important techniques such as ELISA, immunoelectrophoresis, Immunodiffusion, isolation of animal cells, monoclonal antibodies etc. would provide a platform to strengthen research and development in health care.
Immunology & Animal Biotechnology-Practical's	
Plant Biotechnology –Theory	The course lays a strong foundation on learning various skills of <i>in vitro</i> propagation of plants.
Plant Biotechnology -Practical's	
Industrial Biotechnology-Theory	The course provides an excellent opportunity to understand the industrial process of producing various products such as antibiotics, dairy products and enzyme, their applications, detailed information on fermentation technology, Bioreactors and fermented products ,Mushroom cultivation there by realizing the industrial requirements one can start their own ventures in these areas.
Industrial Biotechnology-Practical's	
Genetics-1 Theory and practicals	The course explains the Fundamentals of Cell Biology
Genetics-2 Theory and practicals	The course provides knowledge on the Fundamentals of Cell Biology
Genetics-3 Theory and practicals	The course gives a detailed information on Cytogenetics
Genetics-4Theory and practicals	The course gives information on Molecular Genetics
Genetics-5Theory and practicals	The course gives a insight on Recombinant DNA Technology
Genetics-6 Theory and practicals	The course provides a detail information on Basic Human Genetics
Genetics-7 Theory and practicals	The course lays a depth platform in understanding on Developmental, Evolutionary and Biometrical Genetics
Genetics-8 Theory and practicals	The course reveals a detailed information on Applied and Behavioural Genetics
Biochemistry-1Theory and practicals	The course explains a detailed information on basic concepts of chemistry such as atomic structure,measurement,chemical bonding etc.

Biochemistry-2 Theory and practicals	The course explains a detailed information on basic concepts of chemistry such as solids, phase rule, chemical equilibrium, reaction kinetics, catalysis, introduction to organic chemistry, Hydrocarbons, alkanes, phenols, arene etc
Biochemistry-3 Theory and practicals	The course focus on Bio-inorganic and Environmental Chemistry, Environmental Toxicology, Carboxylic Acids, Amines, Alkaloids, Terpenes, Heterocyclic Compounds, colloids, stereochemistry, drugs Photochemistry and basics of Biochemistry
Biochemistry-4 Theory and practicals	The course provides information of Tissues, physiological aspects
Biochemistry-5 Theory and practicals	The course gives knowledge Carbohydrates, lipids, proteins, Bioenergetics and Biological Oxidation
Biochemistry-6 Theory and practicals	The course reveals information on Enzymes, Nucleic acid, Genetic material, mutation, transcription and translation
Biochemistry-7 Theory and practicals	The course tells about Introduction to metabolism and Carbohydrate metabolism, Lipid nucleic acid and amino acid metabolism, Photosynthesis, Biological nitrogen fixation
Biochemistry-8 Theory and practicals	The course provides details on Industrial Microbiology, Molecular and Immunological techniques, Immunology, Recombinant DNA Technology and Genetic Engineering

Name of the Programme: BCA

Programme out comes (PO)

PO 1 To assess how the choice of data structure and algorithm design methods impact the performance programs.

PO 2 The aim is to teach the student various topics in numerical analysis like one variable, interpolation and integration.

PO 3 To solve problems using data structure such as linear lists, stacks, hash tables binary trees, heaps and writing programs for these solutions.

PO 4 After completion students be able to design and implement normalized database structures by creating simple database tables.

PO 5 2 To learn the fundamentals of operating systems concepts includes architecture, mutual exclusion algorithms and agreement protocols.

PO 6 To describe common network vulnerabilities and attacks, defence mechanisms against network attacks and cryptographic protection mechanisms

Programme specific out comes (PSO)

PSO 1 Student able to understand that numbers can be represented in multiple forms and able to convert signed and unsigned integers from one system to another.

PSO 2 The student should be able to Use an integrated development environment to write, compile, run, and test simple object-oriented Java programs.

PSO 3 Prepare the students to acquire the basic knowledge of digital logic levels and application knowledge to understand digital electronic circuits.

PSO 4 To prepare students to perform the analysis and design of various digital electronic circuits.

PSO 5 Continue to develop and improve skills in object-oriented analysis, design, programming and testing.

COURSE OUT COMES

SNO	Course (BCA)	Outcomes
1	Problem solving Techniques using C	Prepare the students to acquire knowledge of programming using C.
2	Discrete Mathematics	With this subject students will be expected to demonstrate their understanding of discrete mathematics.
3	C Programming Lab	To practically train students in using various modes of C programme
4	Digital Electronics Lab	To prepare students to perform the analysis and design of various digital electronic circuits
5	Database Management System	To prepare students in using communication skills in business and life
6	Object Oriented Programming using C++	To learn how containment and inheritance promote code reuse in C++
7	Financial Accounting and Management	To prepare the problems of financial accounting such as measuring and reporting issues related to assets and liabilities and preparing financial statements.
8	C++ Lab	Student able to program using C++ features such as composition of objects operator overloading, inheritance, polymorphism etc.
9	Visual Programing	To understand an overview of computers and computer programming and to understand visual basic applications.
10	Unix Shell Programming	Student will be able to run various UNIX commands on a standard UNIX/LINUX operating system.
11	Operation Research	Identify and develop <i>operational research</i> models from the verbal description of the real system.
12	UNIX Lab	The course provides the students with the skills to use the UNIX and LINUX
13	Data Communication and Networks	This provides students with an overview of the concepts and fundamentals of data communication and computer networks
14	Software Engineering	It provides ability to apply knowledge of mathematics, science, and engineering
15	Java Programming	The student should be able to Use an integrated development environment to write, compile, run and test simple object-oriented Java programs.

16	Microprocessor and Assembly Language	The student will be able to analyse, specify, design, write and test <i>assembly language programs of moderate complexity</i> .
17	Java Programming Lab	To build software development skills using Java programming for real world application.
18	Theory of Computation	Acquire a full understanding and mentality of Automata Theory as the basis of all computer science languages design ability to apply programming logic to solve real world problems.
19	System Programming	Develop simple embedded system for simple real world application
20	Web Programming	The student will be familiar with client server architecture and able to develop technologies
21	Web Programming Lab	The objective of this lab is to develop an ability to design and implement static and dynamic website develop technologies

Name of the Programme: BSc PMCs

Programme out comes (PO)

PO 1 Improves mathematical skills and concepts in the student.

PO 2 To improve the perspective of students on mathematics as per current requirement.

PO 3 To inductee students to enjoy mathematics and use abstraction to perceive relationships and structure, to understand the basic structure of mathematics.

PO 4 To enable the lecturer to establish, explain and reinforce abstract mathematical ideas by using actual objects, charts, models, pictures, graphs, posters.

PO 5 Provide knowledge of an extensive series of mathematical techniques and solicitation of mathematics.

PO 6 To provide a positive scope for greater involvement of both the mind and the hand which facilities cognition.

PO 7 Exploit techno-savvy nature in the student to overcome math-phobia.

PO 8 To set up a mathematics laboratory in college in order to assist students in the exploration of mathematical concepts through activities and experimentation.

PO 9 To remedy math phobia through authentic, learning based on hands-on experience with computers.

PSO (Programme specific out comes)

PSO 1 Finally see that the learning of mathematics becomes more alive, vibrant, relevant and meaningful, a program that paves the way to seek and understand the world around them.

PSO 2 To make the learning process easy for student and friendly by shifting focus in mathematical teaching, especially in the mathematical learning environment.

PSO 3 To develop the activity-centred mathematics laboratory places the student in a problem solving situation and then through self-exploration and discovery habituates the student into providing a solution to the problem based on his or her experiences, needs and interests.

PSO 4 Understanding of the fundamental maxims in mathematics and competence of developing concepts based on them.

PSO 5 Prepare and motivate students for research studies in mathematics and other related fields.

COURSE OUT COMES

SL NO	Course B.Sc(PMCs)	Outcomes
1	PHYSICS-I (MECHANICS – 1 , HEAT AND THERMODYNAMICS – 1)	Provides knowledge on laws of mechanics to determine efficiency of simple machines with consideration of friction
2	PHYSICS-II (MECHANICS – 2 , HEAT AND THERMODYNAMICS – 2)	It gives basic knowledge of theories of radiant heat transfer and radiant exchange between different surfaces.
3	PHYSICS-III (ELECTRICITY and MAGNETISM)	Provides knowledge on electricity and magnetism to explain natural physical processes and related technological advances
4	PHYSICS-IV (OPTICS and FOURIER SERIES)	Students will be able to be able to analyse optical problems with the help of the approximations made in Fourier optics
5	PHYSICS-V (STATISTICAL PHYSICS, QUANTUM MECHANICS – I, ATMOSPHERIC PHYSICS AND NANOMATERIALS)	Students understand the synthesis of nanomaterials and their application and the impact of nanomaterials on environment
6	PHYSICS-VI (ASTROPHYSICS, SOLID STATE PHYSICS AND SEMICONDUCTOR PHYSICS)	Students can develop and apply advanced methods to solve astronomical and astrophysical problems
7	PHYSICS-VII (ATOMIC, MOLECULAR AND NUCLEAR PHYSICS)	Students gain a general comprehension of nuclear models, nuclear reactions and neutron spectroscopy.
8	PHYSICS-VIII (ELECTRONICS, MAGNETIC MATERIALS, DIELECTRICS AND	Students acquire knowledge concerning the electrical behaviour of dielectric materials (polar and non- polar).

	QUNTUM MECHANICS – II)	
9	MATHEMATICS-I	Students learn the basic concepts of algebra, calculus and geometry
10	MATHEMATICS-II	Students can focus on basics of groups and advanced calculus
11	MATHEMATICS-III	Students learn sequences and series, differential calculus in depth
12	MATHEMATICS-IV	Students are introduced with concepts of Fourier series and Laplace transforms
13	MATHEMATICS-V	Prepare the students to gain numerical calculation accuracy
14	MATHEMATICS-VI	Builds efficiency in solving higher order integration
15	MATHEMATICS-VII	Focuses on ordinary and partial differential equations
16	MATHEMATICS-VIII	Provides vast knowledge of complex analysis
17	CS1T: PROGRAMMING CONCEPTS USING C	Prepare the students to acquire knowledge of programming using C.
18	CS2T: DATA STRUCTURES	Students can learn data management in an efficient way
19	CS3T: DATABASE MANAGEMENT SYSTEM AND SOFTWARE ENGINEERING	To prepare students in using communication skills in business and life. To provide ability to apply knowledge of mathematics, science, and engineering
20	CS4T1: OPERATING SYSTEM AND UNIX	student can understand how the interior of computer works
21	CS5T1: VISUAL PROGRAMMING	Students can code visual programs by using Visual Basic work environment.
22	CS5T2: OBJECT ORIENTED PROGRAMMING USING JAVA	To learn how containment and inheritance promote code reuse
23	CS6T1: WEB PROGRAMMING	The student will be familiar with client server architecture and able to develop technologies
24	CS6T2 : COMPUTER NETWORKS	This provides students with an overview of the concepts and fundamentals of computer networks

Name of the Programme: M. Com (Master of Commerce)

Programme out comes (PO)

- 1.1 To familiarize with issues relating to conversion of currencies.
2. To enable them get global perspective on issues related to business.
3. To enable students to integrate macroeconomic analysis into business decisions.
4. To develop skills to design and implement simple computer-based business and audit information systems.
5. To enable the students to apply the techniques in financial decision making.
6. To make students internalize good HR practices.
7. To demonstrate good team work and negotiation skills.
8. To enable the students to understand prudential norms and new technologies in Banking.

PROGRAMME SPECIFIC OUT COMES (PSO)

1. As a matter of competitive necessity, savvy managers must gain an understanding of the rapidly changing technology and business models.
2. To equip students, with application tools towards formulating and implementing Business marketing strategies.
3. To have on overview of different players, institutions and regulatory agencies influencing the Micro Finance activity.
4. To examine & compare the changing scenario of the rural people with the use of Microfinance.
5. To make students internalize ethical values and practices
6. To gain ability to solve financial reporting and valuation problems
7. To expose students to the financial instruments used in commodity markets.

COURSE OUT COMES

The broad purpose of the Master of Commerce course is to impart to the Students, professional education and training in various aspects of business and its environment and provide them with opportunities to develop managerial and analytical skills in order to meet the challenges of business at the national and global level.

SNO	Course	Out Comes
1	MONETARY SYSTEM	To expose students to domestic and international monetary systems To enable students to understand principles & systems of note issue
2	INTERNATIONAL BUSINESS	To familiarize the students with the concepts, functions and practices of international business.
3	MACROECONOMICS FOR BUSINESS DECISIONS	To familiarise students with key macro economic variables and their behaviour, and enable them to critically evaluate different economies.
4	INFORMATION SYSTEMS AND COMPUTERS	To familiarize student with aspect of business information systems and relevant information technology.
5	ADVANCED FINANCIAL MANAGEMENT	To impart the knowledge in advanced techniques of financial management.
6	HUMAN RESOURCE MANAGEMENT	To expose the students to the principles and practices of Human Resources Management.
7	COMMUNICATION SKILLS	To sharpen the Analytical, written, non-verbal, Spoken Communication and interpersonal skills essential in organizations involving Decision making and implementation.
8	INDIAN BANKING	To expose the students to Indian Banking System along with the latest reforms in Banking.

9	RISK MANAGEMENT	To provide basic knowledge of risk, type of risks and tools of risk management
10	ADVANCED E-COMMERCE AND MOBILE COMMERCE	This course will provide an analytical and technical framework to understand the emerging world of e-commerce and mobile commerce. E-commerce and mobile commerce poses both a challenge and an opportunity for managers.
11	BUSINESS RESEARCH METHODS	To familiarize students with concepts, tools and techniques of the methodology of business research and enable students to do a research / consultancy project in the semester.
12	OPERATIONS RESEARCH & QUANTITATIVE TECHNIQUES	To impart knowledge in concepts and tools of OR and QT and make students apply these in managerial decision making.
13	BUSINESS MARKETING	To facilitate in-depth understanding of similar and differences between Business to business Marketing and Consumer Marketing.
14	MICRO FINANCE	To make the student understand the concept of Financial Benefits and RBI guidelines to Micro Finance.
13	Business Ethics & Corporate Governance:	To make the student conscious about ethical values in real life and in business.
14	Corporate Financial Reporting	To gain expert knowledge to analyze financial statements and to familiarize with recent developments in the area of financial reporting.
15	Strategic Cost Management	To expose the students to the internal environment of business and to enable them to formulate strategies relating to cost.
16	Direct Taxes & Planning	To give an integrated view of direct tax and apply the laws to business decisions
17	Commodity Market:	To expose students to the world of commodity markets
18	Corporate reporting practices and Ind AS:	To familiarize with recent developments in the area of financial reporting and to gain ability to solve financial reporting problems in special cases

19	Strategic Cost Management – II	To expose the students to the external environment of business and to enable them to formulate strategies relating to cost and pricing.
20	Goods and Service Taxes	To familiarize the students with the indirect tax laws.