

## **Under Graduate Program Specific Outcomes:**

### **B.A. (English):**

The graduates in Special English:

- Understand major and minor forms of literature.
- Have developed interest in literature and language.
- Enjoy reading the short stories, poems, novels and dramas.
- Know the literary theories, terms and concepts in Criticism.
- Appreciate the literary works.
- Understand the structure and function of grammatical units.
- Know the use of language at semantic and syntactic levels. The students could improve vocabulary.
- Use English effectively in formal and informal situations.
- Attempt creative writings.
- Know phonological and morphological aspects of English.
- Understand the values of literature in life.
- Understand different cultures of the times.
- Know various genres in English literature like Indian English literature, British literature and American literature.
- Develop language learning skills like Listening, Speaking, Reading and Writing.
- Develop vocabulary and communicative skills.
- Develop verbal and non-verbal skills of communication.
- Are able to get the jobs in industry, government, schools and offices.
- Have enriched confidence to appear for competitive examinations.

### **B.A. (Economics):**

B.A. (Economics) graduates are able to understand:

- The Fundamentals of Economics, various forms of market, concept of cashless society.
- BOT, BOP & type of exchange rates, concept of govt. financing.

- Indian Economy, nature of Indian economy, population & economic development.
- Understand infrastructure and economic development.
- Role of agriculture in Indian economy.
- Understand industrial sector in India, cooperative sector in economy, economic planning in India and recent structural changes in economy.
- Advanced Micro Economics, individual agents of market, consumer behavior, concept of cost, Linear & Non- Linear functional relationship.
- Advanced Micro Economics, price determination factors, various theories of factors, concept of profit and Interest, market equilibrium of firm in monopolistic market.
- Advanced Macro Economics: macro-economic analysis, national income, classical & Keynesian theories of output and employment, consumption & Investment function.
- Advanced Macro Economics: process of credit creation by commercial banks, Quantity theory of money, various macroeconomic problems, and various macroeconomic policies.
- Indian Economy since 1980: Indian financial system, money & banking, India's foreign trade, concept of globalization.
- Indian Economy since 1980: federal finance in India, Indian tax system, public expenditure in India, public debt and deficit finance.
- Public Finance and Policies: concept of public finance, public revenue, incidence & approaches of taxation, government intervention.
- Public Finance and Policies: concept of public expenditure, public debt, fiscal policy, concept of budget & deficit finance.
- International Trade and Practices: trade theories, gains from international trade & trade policy, concept of BOP & BPT, exchange rates.
- Economics of Indian Agriculture: international capital movements & MNCs, international institutions & regional economic cooperation, devaluation & convertibility of rupees, Euro currency market.

- Modern Monetary Economics: Nature, scope & importance of monetary policy, Nature classical & Keynesian theories of employment, Measures of money supply, Various theories of demand for money, Fiscal policy, Several of trade cycle and Supply side economics.
- Economics of Development: Conceptualizing development, Theories of economic development, Concept of poverty & development, Population & human development.
- The issues & techniques of economic growth, Neo- Classical & Cambridge models of growths and some growth models technological changes.
- International Economics: theories international trade, gains from international trade & their measurements, theory of intervention in trade, the theory of regional blocks.
- International Economics: Trade policies in India, international financial institutions, foreign direct investments, foreign exchange market, modern banking & Financial Markets in India, commercial banking system in India, cooperative and rural banking in India, Non banking financial institutions & financial services in India, working & operation.
- Modern banking & Financial Markets in India: Indian money market, Indian capital market, New development in Indian financial system periods, International aspects of the Indian financial system.

### **B.A. (Geography):**

On completion of this course a Graduate student should be able to:

- Understand the effect of circumnavigation, rotation of revolution the Earth and the internal structure of the earth.
- Know the importance of longitudes & latitudes and International Date line and Standard time
- Understand Theory regarding of Origin of Continents and oceans.
- Study the formation of Rocks and internal and external forces and their associated landforms.

- Understand the importance of Atmosphere, composition of atmosphere, Measurement of Atmospheric Pressure and formation of Pressure Belts and the types of winds.
- Understand the Human Geography: Relationship of man and environment, Studies of races of man kinds, modes of life of aximo, pigmy, gonad, Bhil and nagas, Importance of Right to Information Acts.
- Understand Geography of Maharashtra: Geographical Personality of Maharashtra, the Major river in Maharashtra, Geographical Personality of Maharashtra, major crops of Maharashtra, forests in Maharashtra.
- Economic Geography: Study the Human Economic Activities, the Weber theory Rostov modal, mineral and power resources, the distribution of engineering, cotton sugar Industries in India, India's foreign trade.
- Regional Geography Of India: location Physiographic, Drainage, Climate, and Vegetation of India, Salient features, problems and prospects of Agriculture, Problems And Prospect of Industrial Area, Population Composition India, Practical Geography Study of Scales, Projections and Surveying, Different surviving techniques, Knowledge about preparation of layout, Understand the socio economic condition of the villages, Preparation of drawing of profile with the help of Dumpy level.
- Environmental Geography: Structure, Components of Atmosphere, Nutrient cycling, Biodiversity, Value of Resource, Environmental problems and Causes, Effect and Remedies, Environmental hazards and management, Conservation of resources, various environmental protection acts.
- Remote Sensing & GIS: History of Remote Sensing, Arial Photographs and Satellite Imageries, Indian Remote sensing, Components and function of GIS, Study GIS Data models, Introduce GPS and Its Functions, Use of GIS & GPS software.
- Population Geography: History of population, Types of data, Distribution and density of population, Population theories, Current Issues and Problems in India.
- Political Geography: History of Political Geography, Evolution of states & nations, Geopolitical theories, Problems and disputes in India.

- Interpretation of Toposheet: Introduction, Weather reports, Cartographic techniques & Geo Statistical Methods, Weather map, Mechanism and function of topographical maps, Weather images and Geo Statistical Methods.
- To be a Geographer, a teacher in schools and high schools, a conservator in forest.
- Work at Soil, Agriculture Departments, in disaster and water resources management, as a cartographer in map making divisions of Government, in NGOs and study Competitive examinations.

### **B.A. (Political Science):**

On completion of this course a graduate student should be able to understand:

- Information about the Indian Foreign Policy.
- Information about objectives of Indian Foreign Policy.
- Decision making process in Indian Foreign Policy.
- Internal and external determinants of Indian Foreign Policy.
- Indian Foreign Policy
- Information about relations between India and U.S.A.
- Information about relations between India and China.
- Information about relations between India and Pakistan, India and U.N.O., Kashmir issues, disarmament and treaties about disarmament.
- Modern Political Issues, The cold war, Modern political issues, Concept and process of globalization.
- Critical approach about modern political issues.
- The global issues and importance of global issues.
- Political Process In Indian Federation: Theoretical framework of state political process, the socio-political determinants of the state political process, introduction to centre-state relations.
- Political Process In Indian States: The interstate issues, Emerging trends in state politics, Panchayatraj System,
- Public Administration: To introduce administration, Importance public administration, Characteristics of public administration,

- Indian Administration: Introduction, The history of Indian administration.
- Socio-Political Research Methods: The nature of research and literature review, the research methods, the observation, interview, data analysis and interpretation.
- Comparative Political Process: Methods of political process, comparative political process.
- International Relations: New trends in international relations, the arms control and disarmaments, the crisis and co-operations, introduction to the the dependency theory.
- UN and Regional Organizations: The UN, the general assembly and security council, international conflicts, NATO , SEATO , EU, regional organizations, OPEAC, Arab leagues.

**B.A. (Physical Education):** On completion of this course a graduate student should understand:

- Development of physique, strength, physical coordination, and agility.
- The significance of Physical Fitness, Health Related Physical Fitness, Performance Related Physical Fitness.
- Acquirement of in depth knowledge of Health Studies, Effect of Exercise, Skeletal and Muscular Study, Analysis of Circulatory Respiratory and Endocrine Systems.
- Knowledge acquired about Nutrition and Health, Safety Education, Health Promotion, First Aid and Emergency Care.
- Concepts about Common Sports-injuries, Modern Life Style, Hypo-kinetic Disease, Sports and Life Skills, etc. for helpful in life.
- Availability of jobs as Physical Education Teacher and must possess sturdiness and robustness in physique.
- Development of physical agility, able to work for long hours in critical situations, and develop a team work spirit.
- Popular areas of employment for such graduates include gyms, schools, colleges, and other physical-fitness related places.

- Good communication and interpersonal skills are other traits ideal for such professionals.
- The crucial connecting links between doctors and Physical Education experts, for exchange of views about therapeutic and rehabilitative measures for sports person.
- Gymnasiums and health clubs, such professionals manage health and fitness programs.

### **B.Sc. (Microbiology):**

On completion of the course, the graduate students know about:

- Concepts of Microbial world, their benefits and harms.
- Aseptic techniques.
- Role of microorganisms in human life
- Diagnosis of diseases, using microbial techniques.
- Process of DNA replication transcription, translation.
- Viral genetics.
- Various microbial techniques and organisms used in industries.
- Concepts of Microbial Metabolism, bioenergetics, anabolism and catabolism, laws of thermodynamics.
- Bacterial photosynthesis.
- Medical Microbiology: Various concepts of medical microbiology, Role of international organizations such as CDC and WHO, Anatomy of human system, Various chemotherapeutic agent and their mode of action.
- Immunology: Concept related to cells and organs related to immune system, Immune response and immune mechanism, Immunological disorders, Concepts related to Immunodeficiency
- Applied Microbiology: Milk microbiology- techniques used in milk industry, Food microbiology – techniques used in food industries, Microbial food poisoning, geo-microbiology and nanotechnology.
- Molecular Biology: Concept of gene regulation, Principles and applications of various molecular techniques, Concept, methods and application of r-DNA technology, Gene library and gene mapping.

- Pharmaceutical Microbiology: Quality control and assurance, Concepts of GMP and GLP regulations, Standard protocols in pharmaceutical industry - IP, BP, USP and EP, Pharmaceutical audit and testing procedures for fermentation process.
- Enzymology, Vitamin as cofactor, its role metabolism, Regulation of enzyme, various methods used for enzyme purification; Enzyme assays.
- Clinical Microbiology - Various viral disease, their causative agent, mode of infection, epidemiology, treatment, lab diagnosis, prophylaxis, Various bacterial disease, their causative agent, mode of infection, epidemiology, treatment, lab diagnosis, prophylaxis, Various fungal disease, their causative agent, mode of infection, epidemiology, treatment, lab diagnosis, prophylaxis, Various protozoal disease, their causative agent, mode of infection, epidemiology, treatment, lab diagnosis, prophylaxis.
- Diagnostic Immunology, Various antigen antibody reaction, Different immunological techniques, Concepts related to transplantation, Concept of tumor immunology, type of tumors, immune mechanisms against tumors.
- Environmental Microbiology.
- Concepts related to Plant pathology, Various plant pathogens and disease, Soil microbiology and xenobiotics.
- Microbial waste treatment methods.
- Developing Firm foundations in the fundamentals and applications of current scientific microbial theories.
- Ability to differentiate between various microbial and pro as well as eukaryotic species.
- Communicating the results of their work to other relevant entities and the world.
- Understanding the industrial, humane, scientific, global, local and environmental dimensions of problems and issues.
- Finding employment in international and national research institutes, industry, government, school systems, instructors, microbiologists, pathologists, in Quality control units, environmental consultants.

**B.Sc. (Statistics):**

The graduates in Statistics are able to:

- Enter a promising professional life even after graduation.
- Pursue higher studies leading to post-graduate or doctoral degrees.
- *Integrate knowledge, skills and attitude that will sustain an environment of learning and creativity.*
- *Develop an understanding of various statistical tools, techniques and software.*
- *Apply critical and contextual approaches across wide variety of subject matter.*
- *Develop logical thinking to comprehend key facts leading to formulation of the solution process.*
- *Develop self-confidence and awareness of general issues prevailing in the society.*
- Develop Firm base in the fundamentals and applications of current scientific theories.
- Understand the industrial, humane, scientific, global, local and environmental dimensions of problems and issues.
- Find employment in research and survey institutes, industry, government, school systems, instructors, as tax, financial and other consultants.

**B.Sc. (Chemistry):** The graduates in Chemistry are able to:

- Use of Chemistry in human life.
- Understand spontaneous and non-spontaneous processes.
- Chemical reactions, their types, their applications in everyday life.
- Know benefits and applications of chemical reactions.
- Understand the importance of salt bridge in electrochemical cell, the concept electrochemical cell and determination of potential of cell, the laws of photochemistry.
- Understand the concept quantum yield and fluoresce and phosphorescence.
- Understand the various devices to measure the radiation from radioactive sample.

- Know concepts of Inorganic chemistry, the co-ordination compound, and identification of given ligand, chelates,
- Understand the different physical method for the study of complexes and assumptions, drawbacks and isomerism in Werner's theory, Understand Effective atomic number (EAN) and how to calculate EAN for any given complexes.
- Understand the modern theories of metal-ligand bond related to valence bond theory.
- Understand concepts and Applications of CFT related to different geometry.
- Understand the modern theories of metal-ligand bond related to Molecular orbital theory, and difference between V.B.T., C.F.T. and M.O.T.
- Understand concepts of Organic chemistry, Polarity picture of carbonyl group and nucleophilic addition reaction to it, concept of aromaticity electrophilic and nucleophilic aromatic substitution reaction, Molecular rearrangement involving migration to C, N and Oxygen, Drawing the resonating structures, Understand Nucleophilic substitution reactions, Understanding electrophilic addition reactions.
- Understand concepts of Analytical Chemistry, procedure of extraction of metal ions using Solvent Extraction process, the application of Ion Exchange Chromatography method for the separation of cations and anions using different types of resins, applications of Size Exclusion Chromatography for the separation of analytes based on their size and shapes, working of Gas Chromatographic unit and apply the knowledge to separate volatile compounds in sample, Understand Principle, choice of column materials for HPLC and its application, Principles of Electrophoresis and choice of techniques of electrophoresis for various applications.
- Industrial chemistry: general concepts like manufacturing of sugarcane, various types of fertilizers and manufacturing of Beer and spirit.
- Understand the aspects of small scale industry.
- Understand concepts of Environmental chemistry; awareness about environmental chemistry, the concept about atmosphere and different layer and composition, awareness about air pollution and organic inorganic pollutants, water pollution and domestic sewage waste water, industrial pollution, agriculture pesticide

water pollution, different methods of water treatment, water effluents and sewage water, the greenhouse gases and global warming.

- Communicate the results of their work to chemists and non-chemists.
- Understand ethical, historic, philosophical and environmental dimensions of problems and issues facing chemists.
- Establish Firm in the fundamentals and applications of current chemical and scientific theories.
- Design, carry out, record and analyze the results of chemical experiments.
- Use modern instrumentation and classical techniques, to design experiments, and to properly record the results of their experiment.
- Have skills in problems solving, critical thinking and analytical reasoning.
- Identify and solve chemical problems and explore new areas of research.
- Use modern library searching and retrieval methods to obtain information about a topic, chemical, chemical technique, or an issue relating to chemistry.
- Know proper procedures and regulations for safe handling and use of chemicals and can follow the proper procedures and regulations for safe handling when using chemicals.
- Find employment in industry, government, in school systems, instructors or administrators research institutes and as consultants.

### **B.Sc. (Physics):**

On completion of this course the graduates in Physics are able to:

- Have knowledge about using advanced mathematical methods and theories on various mathematical and physical problems.
- Use mathematical formulations, analyses and models to obtain insight in specialized areas of Physics.
- Be to apply skills of mathematical, statistical and physical modeling in applied fields and on technological problems.
- Be to carry out, present and document a comprehensive independent work, demonstrating command of the terminology of the subject area.
- Identify different special mathematical functions.

- Apply techniques of vector analysis, such as gradient of scalar, divergence of vector, curl of vector.
- Study special functions of mathematical physics.
- Understand Cartesian ( $X, Y, Z$ ), Spherical polar ( $r, \theta, \phi$ ) and Cylindrical ( $\rho, \phi, z$ ) co-ordinate systems and their transformation equations.
- Understand expression for gradient, divergence, curl and Laplacian in curvilinear, spherical polar and cylindrical co-ordinate systems.
- Solve partial differential equations with appropriate initial or boundary conditions with Green function techniques.
- Have confidence in solving mathematical problems arising in physics by a variety of mathematical techniques.
- Understand special relativity theory and to solve Lorentz transformation equations, Length contraction, time dilation.
- Understand classical Mechanics: applications of the basic laws of physics in the areas of classical mechanics, Newtonian gravitation, Types of forces: Forces of Gravitation, Lorentz force, Hooks Force, Frictional Force, and Fundamental Forces of Nature; Recognition of how observation, experiment and theory work together continue to expand the frontiers of knowledge of the physical universe.
- Apply basic mathematical tools commonly used in physics, including elementary probability theory, differential and integral calculus, vector calculus, ordinary differential equations, partial differential equations, and linear algebra, solving Lagrange's equation, Properties and simple application of Lagrange's equation (simple pendulum, harmonic oscillator, compound pendulum, Atwoods machine), 5. Hamilton's canonical equation of motion, and Physical significance, Advantages and Applications of Hamilton's equations of motion (simple pendulum, compound pendulum, Linear harmonic oscillator).
- Understand Central force, Reduction of two body problem into equivalent one body problem, Motion in inverse square law force field and to state Kepler's laws.
- Understand Atomic and Molecular Physics.

- State and explain the key properties of vector atom model and the importance of the Pauli Exclusion Principle, explaining the observed dependence of atomic spectral lines on externally applied electric and magnetic fields.
- State and justify the selection rules for various optical spectroscopies in terms of the symmetries of molecular vibrations.
- List different types of atomic and molecular spectra and related instrumentation.
- Describe theories explaining the structure of atoms and the origin of the observed spectra, Identify atomic effect such as space quantization and Zeeman Effect, To understand the Origin and nature of x-ray, Characteristic x-ray spectra.
- State Moseley's law and its importance, regular and irregular doublets and their laws.
- Understand concepts of Solid State Physics, basic knowledge of accounting for interatomic forces and bonds, of crystal systems and spatial symmetries for how crystalline materials are studied using diffraction, to perform structure determination of simple structures.
- Know what photons are, and be able to perform estimates of their dispersive and thermal properties.
- Calculate thermal and electrical properties in the free-electron model and know Bloch's theorem and energy band and distinction between metals, semiconductors and insulators.
- Estimate the charge carrier mobility and density.
- Understand Lattice heat capacity and to compare Classical theory, Einstein's theory, Debye's theory of specific heat of solids.
- Apply techniques of X-Ray Diffraction and UV Spectroscopy to study crystals.
- Understand classical Electrodynamics: various laws and forces and their inter relationships and applications,
- Understand concepts of magnetic field, circuits, be able to solve relevant theoretical problem and use their conceptual understanding of the electromagnetic laws in order to qualitatively describe the behaviour of the solution to the problem.

- Understand concepts of laws of geometric optics originate with Maxwell's equations at dielectric boundaries calculate reflection and transmission coefficients for waves at dielectric boundaries.
- Understand concepts of Quantum Mechanics; to solve quantum mechanics problems.
- Understand concepts of Nuclear Physics : nuclear compositions and Elementary particles, charge symmetry and independence, spin dependence of nuclear force, Law of radioactive decay and its application, distinguishing between Types of nuclear models, nuclear reactions and conservation laws, nuclear fission on the basis of liquid drop model and nuclear fusion, basic principles and classification of Nuclear Reactor, types of detectors and classification of accelerators.
- Understand concepts of Statistical Mechanics & Thermodynamics
- Understand concepts of Elements of Material Science, Historical perspectives of materials science, classifications of advanced materials, Smart materials, Nano structured Materials, organic material and its classification, Mechanical Properties, Thermal Properties, Electrical Properties, and Magnetic Properties of materials, the basic concept of Dislocations and Plastic Deformation, Atomic Diffusions and its Mechanism, laws, applications.
- Able to apply principles of Physics in everyday life.
- Communicate the results of their work to other relevant entities.
- Understand the scientific, global, local and environmental dimensions of problems and issues.
- Find employment in industry, government, school systems, instructors, research institutes, and as consultants.

### **B.Sc. (Zoology):**

On completion of this course a Graduate student should be able to:

- Understand the evolution, history of phylum.
- Understand about the Non Chordate animals, external as well as internal characters of non chordates, distinguishing characters of non chordates, economical importance of Molluscs.

- Understand Cell Biology, Scope of cell biology, cell as the basic unit of life, Main distinguishing characters between plant cell and animal cell, whole cell organelles with their structure and function, the cell cycle and know the importance of various cells in body of organisms, various applications of cells by using cell biology like study of various types of tumour.
- Understand the concepts of Chordates, the phylum Chordate, basic concepts about chordates, external morphology and sexual dimorphism in chordates, various systems, adaptation and dentition in Mammals.
- Understand applied Zoology, Goatary and Lac culture, Understand the various Indian breeds and their distribution and characteristics of Goats, economical importance, Various concepts in Lac Cultivation, Economical importance of lac Cultivation, economical importance of Apiculture, Bee keeping equipments and apiary management, various species of Bees.
- Understand concepts of various internal systems like Digestive system, nervous system, functions of Gemmules and spicules, economical importance of Molluscan shells, classification of whole phyla includes in Non chordates with the help of charts/models/pictures, understand the evolutionary history of Non chordates.
- Understand Cell Biology: Animal cells and various cell organelles by using microphotographs, concept vital staining , distinguishing points between nuclear stain and cytoplasmic stain, techniques using for the study of blood corpuscles, meaning of Osmotic pressure, isotonic, hypotonic, hypertonic.
- Understand the Chordate: Systematic position and external morphology of Caloteseversicolar, various systems like Digestive systems, Classification various classes of phylum Chordate
- Understand Medical Zoology: scope and branches of Medical Zoology, various parasites and diseases, host-parasite relationship, awareness of health in students, disease causing vectors like Mosquitoes, awareness about diseases like typhoid, cholera, importance of medical diagnostic and forensic Entomology.
- Establish Firm foundations in the fundamentals and applications of current scientific theories.
- Able to differentiate various procaryotic species.

- Communicate the results of their work to other relevant entities.
- Understand the industrial, humane, scientific, global, local and environmental dimensions of problems and issues.
- Find employment in research and survey institutes, industry, government, school systems, instructors, as consultants.

### **B.Sc. (Botany):**

On completion of this course a Graduate student should be able to:

- Understand the concepts of biodiversity.
- Able to classify flora, upto species level.
- Study various botanical techniques.
- Understand the importance and scope of botanical science in the industries.
- Understand the role of microbial plants in fermentations process.
- Know the process of cultivation of cash crops.
- Understand some plants which are used as herbal cosmetics.
- Understand technique of plant tissue culture and its application.
- Realize the role plants in forensic science.
- Understand the scope and importance of Botanical techniques.
- Know about instruments and their utility in subject Botany.
- Gain knowledge about measurement of microorganisms by studying micrometry.
- Understand the different stains and staining.
- Perform the killing, fixing and Microtomy of plant material.
- Understand & perform Chromatography and cultural techniques in Botany.
- Understand the methods used in whole mount preparation, wood maceration and cytology.
- Able to differentiate between diverse flora.
- Communicate the results of their work to other relevant entities.
- Understanding the botanical, scientific, global, local and environmental dimensions of problems and issues.

- Find employment in industry, government, school systems, instructors, botanists, landscapers, consultants.

**B.Sc. (Computer Science):** After completion of this course a Graduate student should be able to:

- Know basic computer applications and languages.
- Learn C++ Programming and study applications of C++.
- Understand concepts for handling runtime.
- Study member variables, functions and the multiple inheritance that are used in the program.
- Understand Push down Automata and its applications.
- Get familiar with Computability and complexity measures.
- Understand what is DNA and Membrane Computing.
- Study files subsystem for UNIX operating system. 2.
- Understand detail working of UNIX operating system. 3.
- Understand process and memory management techniques.
- Understand Digital Image Processing, applications of digital image processing, image processing fundamentals.
- Get hands on various linux commands and shell script for different application.2. Familiar with MATLAB environment.3.
- Explore various algorithms for digital image processing
- Explore ideas about centralized and client server architecture of DBMS.
- Understand Communication: Communication in written and oral forms, Demonstration ability to present information clearly, logically, and critically.
- Understand Mathematics and Theory: Application of mathematical and computing theoretical concepts in solution of common computing applications, such as computing the order of an algorithm.
- Understand Programming: Programing small-to-mid-size programs, Sufficient programming skills, good variable names, good use of computational units, appropriate commenting strategies.

- Understand Systems Design and Engineering: Using appropriately system design notations, Applying system design engineering process in order to design, plan, and implement software systems.
- Getting Depth of Knowledge: In a self-selected area of depth in Computing, students will demonstrate a depth of knowledge appropriate to graduate study and/or lifelong learning in that area. Understand materials in that area beyond those assigned in coursework.
- Preparing for Career and/or Post Graduate Study: career information, technology oriented business or industry, computer science or other scientific or technical fields.
  - Able to serve as Programmer or Software Engineer with sound knowledge of practical and theoretical concepts for developing software.
  - Serve as Computer Engineer with enhanced knowledge of computers and its building blocks.
  - Work as Hardware Designer/Engineer with knowledge of networking concepts.
  - Work as Systems Engineer and System integrator.
  - Serve as System Administrator with thorough knowledge of DBMS.
  - Give Technical Support for various systems.
  - Work as Support Engineer and Technical Writer.
  - Work as Consultant and Management officers for system management.
  - Work as IT Sales and Marketing person.
  - Serve as IT Officer in Banks and cooperative societies.
  - Work as DTP Operator in small scale industries.
  - Serve as Web Designer with latest web development technologies.

**B.Com. (Accountancy):**

On completion of the degree course in commerce, a graduate will be able to:

- Use debit and credit accounting to record and adjust basic business transactions.
- Prepare multi-step income statements, classified balance sheets, and statements of retained earnings.

- Use basic financial statement ratio analysis to evaluate financial performance.
- Demonstrate knowledge of each step in the accounting cycle.
- Know and apply organizational internal control components.
- Use Generally Accepted Accounting Principles (GAAP) to record common business transactions involving merchandise inventory, cash, and accounts receivable transactions.
- Analyze business transactions using accrual basis accounting according to Generally Accepted Accounting Principles (GAAP).
- Prepare journal entries and post to ledger accounts using double-entry accounting procedures manually.
- Perform the steps accounting cycle to include the preparation of: adjustments, financial statements, closing entries and trial balances.
- Prepare a bank reconciliation and related journal entries.
- Identify the principles of internal control.
- Use accounting assumptions, principles and constraints to explain accounting practices.
- Record transactions using both the perpetual and periodic inventory systems.
- Calculate inventory using accepted inventory cost flow assumptions.
- Account for receivables their recognition, disposal and valuation.
- Apply for jobs in industries, banks and all corporate managements.

### **B. Com. (Banking):**

On completion of the degree course in commerce, a graduate will be able to:

- Demonstrate knowledge and understanding of US financial services law and regulation and of certain widely adopted international financial law standards.
- Understand the approach of US practitioners to complex financial services issues, including structuring, negotiating, and documenting certain types of financial transactions.
- Develop the skills to communicate more effectively in English about banking and financial law topics.

- Prepare and demonstrate US-style employment application materials and to communicate effectively, orally, and in writing, with potential US and international employers.
- Show interest in qualifying to take a US bar exam and eligibility and application requirements.
- Develop Firm base in the fundamentals and applications of current banking knowledge.
- Understand the industrial, humane, scientific, global, local and environmental dimensions of problems and issues.
- Find employment in research and survey institutes, industry, government, schools, instructors, and other consultants.

### **Program Specific Outcomes of Self-financed Certificate Course:**

The following Skill based and Self-financed Certificate courses are offered. These courses specific outcome are given course wise. That means the students are able to:

#### **1) Medical Laboratory Technology:**

- Obtain job opportunities in various medical laboratory departments in Medical Colleges, Hospitals, Pharmacy, Dental & Veterinary Colleges as lab technologists.
- Start self-employment by establishing clinical pathology.

#### **2) Vermi culture and Vermi composting:**

- Create a project for Self-employment.
- Enable to start a small scale industry.
- Use better and sustainable agricultural practices, agriculture being the main occupation in our region.

#### **3) Maintenance of electrical and electronic appliances:**

- Develop skills in repairing domestic home appliances, electric wiring, points and connections.
- Able to acquire Jobs in the Electronic Companies.

#### **4) Tourism:**

- Understand history and geography of various destinations.
- Use acquired knowledge in personal and in professional lives.
- Create an interest in world culture.

#### **5) Dress Making and Fashion Designing:**

- Show interest in ready-made clothes.
- Know importance of commercial value of the course.
- Wish to start a firm .

#### **6) Personality development and English Communication skills:**

- Enhance one's credibility.
- Help in acquiring jobs as editors, reporters, orators, drafters in literary and mass communication industries.

#### **7) Rural Journalism:**

- Acquire formal training useful for a profession.
- Enable to join Diploma or Degree courses in Journalism.
- Ready for ample jobs as press reporters.
- Able to join jobs, after Diploma and Advanced Diploma courses.

#### **8) Water and Soil Analysis:**

- Understand water and soil analysis.
- Provides readings of water and soil analysis.