

SVB Govt.Degree College, Koilkuntla

Dept. of English

Course Objectives and Outcomes

Course Objectives:

1. Ability to trace the difference of pronunciation of words, their correct pronunciation, accent and intonation.
2. Ability to be comfortable with English in use while reading or listening.
3. Ability to use receptive skills through reading and listening to acquire good exposure to language and literature.
4. Ability to write and speak good English in all situations.
5. Students should develop style in speech and writing and manipulate the tools of language for effective communication.
6. The course should provide exposure to the learners in Good Prose texts and Poems and expose the learners to value based ideas.
7. Students should enhance their language skills especially in the areas of grammar and pronunciation.
8. Ability to use English correctly in speaking and writing skills.

Course Outcomes:

1. Students refer to dictionary and study the correct stress, right accent and right intonation to ask questions, make requests or to make command.
2. Students can read and understand any text in English listening to the inputs given by the teacher in the classroom.
3. Students imbibe the rules of language unconsciously and tune to deduce language structure and usage.
4. Students write paragraphs, essays, and letters.
5. Students decipher the mechanism of language and use it for success in competitive examinations and job related speaking and writing tasks.
6. Students perform various speaking and writing tasks, such as role-plays, debates, group discussions apart from the use of correct spelling, punctuation and the ability to transfer information in the writing tasks.

“The domain subject “Zoology”, embracing the fields of Animal diversity, Cell biology, Genetics, evolution, Animal physiology, Biochemistry, Embryology, Immunology, Molecular biology and Ecology gives the student a broad understanding of faunal diversity, various life processes involved in the development of an animal, its functioning, its response to environmental stimuli, molecular basis of life, new technological approach towards life, an insight for the lecturer into research and responsibility of the student towards environment”.

Programme Educational Objectives (PEOs):

PEO1 Higher Education: Empower students to pursue higher studies in various fields of Biology and Chemistry.

PEO2 Career: Enable students to pursue careers in Chemical, Biological and related fields as demonstrated by professional success at positions within industry, government, or academia.

PEO3 Social responsibility: Enable students to exhibit professionalism, ethical attitude, communication skills and team work in their profession.

Program Outcomes (POs):

The Learning Outcomes of the programme could be in consonance with the Bloom’s Taxonomy, which includes –

1. Remember (Lower order)
2. Understand (Lower Order)
3. Apply (Lower Order)
4. Analyze (Higher Order)
5. Evaluate & Problem Solving (Higher Order)
6. Create (Higher Order)

PO1Critical thinking: Able to understand and utilize the principles of scientific enquiry, think analytically, clearly and evaluate critically while solving problems and making decisions during biological study.

PO2Effective communication: Able to formally communicate Scientific ideas and investigations of the biology discipline to others using both oral and written communication skills.

PO3Social interaction: Able to develop individual behavior and influence society and social structure.

PO4Effective citizenship: Able to work with a sense of responsibility towards social awareness and follow the ethical standards in the society.

PO5Ethics: Ability to demonstrate and discuss ethical conduct in scientific activities.

PO6Environment and Sustainability: Able to understand the impact of biological science in societal and environmental contexts and demonstrate the knowledge for sustainable development.

PO7Self-directed and life-long learning: Able to recognize the need of life-long learning and engage in research and self-education.

ZOOLOGY – SEMESTER I

PAPER – I: ANIMAL DIVERSITY – BIOLOGY OF NONCHORDATES

Course Outcomes: By the completion of the course the graduate should be able to –

CO1 Describe general taxonomic rules on animal classification

CO2 Classify Protozoa to Coelenterata with taxonomic keys

CO3 Classify Phylum Platy helminthes to Annelida phylum using examples from parasitic adaptation and vermin composting

CO4 Describe Phylum Arthropoda to Mollusca using examples and importance of insects and Molluscs

CO5 Describe Echinodermata to Hemi chordata with suitable examples and larval stages in relation to the phylogeny

Learning objectives

1. To understand the taxonomic position of protozoa to helminthes.
2. To understand the general characteristics of animals belonging to protozoa to hemichordata.
3. To understand the structural organization of animals phylum from protozoa to hemichordata.
4. To understand the origin and evolutionary relationship of different phyla from protozoa to hemichordata.
5. To understand the origin and evolutionary relationship of different phylum from annelids to hemichordates.

Practicals

Learning Outcomes:

- To understand the importance of preservation of museum specimens
- To identify animals based on special identifying characters
- To understand different organ systems through demo or virtual dissections
- To maintain a neat, labeled record of identified museum specimens

ZOOLOGY –SEMESTER II
PAPER – II: ANIMAL DIVERSITY – BIOLOGY OF
CHORDATES

Course Outcomes:

By the completion of the course the graduate should be able to -

CO1 Describe general taxonomic rules on animal classification of chordates

CO2 Classify Protochordata to Mammalia with taxonomic keys

CO3 Understand Mammals with specific structural adaptations

CO4 Understand the significance of dentition and evolutionary significance

CO5 Understand the origin and evolutionary relationship of different phyla from Protochordata to mammalia.

Learning objectives

1. To understand the animal kingdom.
2. To understand the taxonomic position of Protochordata to Mammalia.
3. To understand the general characteristics of animals belonging to Fishes to Reptilians.
4. To understand the body organization of Chordata.
5. To understand the taxonomic position of Protherian mammals.

Practicals

Learning Outcomes:

- To understand the taxidermic and other methods of preservation of chordates

- To identify chordates based on special identifying characters
- To understand internal anatomy of animals through demo or virtual dissections, thus directing the student for “empathy towards the fellow living beings”
- To maintain a neat, labeled record of identified museum specimens

ZOOLOGY – SEMESTER III

PAPER – III: CELL BIOLOGY, GENETICS, MOLECULAR BIOLOGY AND EVOLUTION

Course Outcomes:

The overall course outcome is that the student shall develop deeper understanding of what life is and how it functions at cellular level. This course will provide students with a deep knowledge in Cell Biology, Animal Biotechnology and Evolution and by the completion of the course the graduate shall able to –

CO1 To understand the basic unit of the living organisms and to differentiate the organisms by their cell structure.

CO2 Describe fine structure and function of plasma membrane and different cell organelles of eukaryotic cell.

CO3 To understand the history of origin of branch of genetics, gain knowledge on heredity, interaction of genes, various types of inheritance patterns existing in animals

CO4 Acquiring in-depth knowledge on various of aspects of genetics involved in sex determination, human karyotyping and mutations of chromosomes resulting in various disorders

CO5 Understand the central dogma of molecular biology and flow of genetic information from DNA to proteins.

CO6 Understand the principles and forces of evolution of life on earth, the process of evolution of new species and apply the same to develop new and advanced varieties of animals for the benefit of the society

Learning Objectives

- To understand the origin of cell and distinguish between prokaryotic and eukaryotic cell
- To understand the role of different cell organelles in maintenance of life activities
- To provide the history and basic concepts of heredity, variations and gene interaction
- To enable the students distinguish between polygenic, sex-linked, and multiple allelic modes of inheritance.
- To acquaint student with basic concepts of molecular biology as to how characters are expressed with a coordinated functioning of replication, transcription and translation in all living beings
- To provide knowledge on origin of life, theories and forces of evolution
- To understand the role of variations and mutations in evolution of organisms

Practicals

Learning Objectives:

- Acquainting and skill enhancement in the usage of laboratory microscope
- Hands-on experience of different phases of cell division by experimentation
- Develop skills on human karyotyping and identification of chromosomal disorders
- To apply the basic concept of inheritance for applied research
- To get familiar with phylogeny and geological history of origin & evolution of animals

ZOOLOGY – SEMESTER IV

PAPER – IV: ANIMAL PHYSIOLOGY, CELLULAR METABOLISM AND EMBRYOLOGY

Course Outcomes:

This course will provide students with a deep knowledge in Physiology, Cellular metabolism and Molecular Biology and by the completion of the course the graduate shall be able to –

CO1 Understand the functions of important animal physiological systems including digestion, cardio-respiratory and renal systems.

CO2 Understand the muscular system and the neuro-endocrine regulation of animal growth, development and metabolism with a special knowledge of hormonal control of human reproduction.

CO3 Describe the structure, classification and chemistry of biomolecules and enzymes responsible for sustenance of life in living organisms

CO4 Develop the basic metabolic activities pertaining to the catabolism and anabolism of various biomolecules

CO5 Describe the key events in early embryonic development starting from the formation of gametes upto gastrulation and formation of primary germ layers.

Learning objectives

- To achieve a thorough understanding of various aspects of physiological systems and their functioning in animals.
- To instil the concept of hormonal regulation of physiology, metabolism and reproduction in animals.
- To understand the disorders associated with the deficiency of hormones
- To demonstrate a thorough knowledge of the intersection between the disciplines of Biology and Chemistry.
- To provide insightful knowledge on the structure and classification of carbohydrates, proteins, lipids and enzymes
- To demonstrate an understanding of fundamental biochemical principles such as the function of biomolecules, metabolic pathways and the regulation of biochemical processes

□ To make students gain proficiency in laboratory techniques in biochemistry and orient them to apply the scientific method to the processes of experimentation and hypothesis testing

Practicals

Learning Objectives:

- Identification of an organ system with histological structure
- Deducing human health based on the information of composition of blood cells
- Demonstration of enzyme activity *in vitro*
- Identification of various biomolecules of tissues by simple colorimetric methods and also quantitative methods
- Identification of different stages of earl embryonic development in animals

**ZOOLOGY – SEMESTER IV
COURSE – 5: IMMUNOLOGY AND ANIMAL
BIOTECHNOLOGY**

Course Outcomes:

This course will provide students with a deep knowledge in immunology, genetics, embryology and ecology and by the completion of the course the graduate shall able to –

CO1 To get knowledge of the organs of Immune system, types of immunity, cells and organs of immunity.

CO2 To describe immunological response as to how it is triggered (antigens) and regulated (antibodies)

CO3 Understand the applications of Biotechnology in the fields of industry and agriculture including animal cell/tissue culture, stem cell technology and genetic engineering.

CO4 Get familiar with the tools and techniques of animal biotechnology.

Learning Objectives

- To trace the history and development of immunology
- To provide students with a foundation in immunological processes
- To be able to compare and contrast the innate versus adaptive immune systems and humoral versus cell-mediated immune responses
- Understand the significance of the Major Histo compatibility Complex in terms of immune response and transplantation
- To provide knowledge on animal cell and tissue culture and their preservation
- To empower students with latest biotechnology techniques like stem cell technology, genetic engineering, hybridoma technology, transgenic technology and their application in medicine and industry for the benefit of living organisms
- To explain *in vitro* fertilization, embryo transfer technology and other reproduction manipulation methodologies.
- To get insight in applications of recombinant DNA technology in agriculture, production of therapeutic proteins.
- To understand principles of animal culture, media preparation

Practicals

Learning Objectives:

- Acquainting student with immunological techniques vis-à-vis theory taught in the class room

- Interconnect the theoretical and practical knowledge of immunity with the outer world for the development of a healthier life.

- Demonstrate basic laboratory skills necessary for Biotechnology research

- Promoting application of the lab techniques for taking up research in higher studies

BOTANY - LEARNING OUTCOMES (SEM – 1)

Learning Outcomes:

On successful completion of this course, the students will be able to:

- ▶ Explain origin of life on the earth. ☒ Illustrate diversity among the viruses and prokaryotic organisms and can categorize them.
- ▶ Classify fungi, lichens, algae and bryophytes based on their structure, reproduction and life cycles.
- ▶ Analyze and ascertain the plant disease symptoms due to viruses, bacteria and fungi.
- ▶ Recall and explain the evolutionary trends among members of plant kingdom for their shift to land habitat. ☒ Evaluate the ecological and economic value of microbes, thallophytes and bryophytes.

BOTANY - LEARNING OUTCOMES (SEM – 2)

Learning Outcomes:

On successful completion of this course, the students will be able to:

- ▶ Classify and compare Pteridophytes and Gymnosperms based on their morphology, anatomy, reproduction and life cycles.
- ▶ Justify evolutionary trends in tracheophytes to adapt for land habitat.
- ▶ Explain the process of fossilization and compare the characteristics of extinct and extant plants.
- ▶ Critically understand various taxonomical aids for identification of Angiosperms.
- ▶ Analyze the morphology of the most common Angiosperm plants of their localities



and recognize their families.

- Evaluate the ecological, ethnic and economic value of different tracheophytes and summarize their goods and services for human welfare.
Locate different phytogeographical regions of the world and India and can analyze their floristic wealth.

BOTANY - LEARNING OUTCOMES (SEM – 3)

Learning outcomes:

On successful completion of this course, the students will be able to;

- Understand on the organization of tissues and tissue systems in plants.
- Illustrate and interpret various aspects of embryology.
- Discuss the basic concepts of plant ecology, and evaluate the effects of environmental and biotic factors on plant communities.
- Appraise various qualitative and quantitative parameters to study the population and community ecology.
- Correlate the importance of biodiversity and consequences due to its loss.
- Enlist the endemic/endangered flora and fauna from two biodiversity hot spots in India and assess strategies for their conservation.

BOTANY - LEARNING OUTCOMES (SEM – 4)

Learning outcomes:

On successful completion of this course, the students will be able to;

- Comprehend the importance of water in plant life and mechanisms for transport of water and solutes in plants.



- Evaluate the role of minerals in plant nutrition and their deficiency symptoms.
- Interpret the role of enzymes in plant metabolism.
- Critically understand the light reactions and carbon assimilation processes responsible for synthesis of food in plants.
- Analyze the biochemical reactions in relation to Nitrogen and lipid metabolisms.
- Evaluate the physiological factors that regulate growth and development in plants.
- Examine the role of light on flowering and explain physiology of plants under stress conditions.

BOTANY - LEARNING OUTCOMES (SEM – 5)

Learning outcomes:

On successful completion of this course, the students will be able to:

- Distinguish prokaryotic and eukaryotic cells and design the model of a cell.
- Explain the organization of a eukaryotic chromosome and the structure of genetic material.
- Demonstrate techniques to observe the cell and its components under a microscope. Discuss the basics of Mendelian genetics, its variations and interpret inheritance of traits in living beings.
- Elucidate the role of extra-chromosomal genetic material for inheritance of characters. Evaluate the structure, function and regulation of genetic material.
- Understand the application of principles and modern techniques in plant breeding.
- Explain the procedures of selection and hybridization for improvement of crops.





S.V.B. Govt Degree College, Koilkuntla

Department of Commerce

Course and Programme Outcomes.

I Year B Com (Gen & CA)–Semester – I

Course 1A: Fundamentals of Accounting

Learning Outcomes:

At the end of the course, the student will be able to

- Identify transactions and events that need to be recorded in the books of accounts.
- Equip with the knowledge of accounting process and preparation of final accounts of sole trader.
- Develop the skill of recording financial transactions and preparation of reports in accordance with GAAP.
- Analyze the difference between cash book and pass book in terms of balance and make reconciliation.
- Critically examine the balance sheets of a sole trader for different accounting periods.
- Design new accounting formulas & principles for business organizations.

Course 1B: Business Organization and Management

Learning Outcomes:

At the end of the course, the student will be able to

- Understand different forms of business organizations.
- Comprehend the nature of Joint Stock Company and formalities to promote a Company.
- Describe the Social Responsibility of Business towards the society.
- Critically examine the various organizations of the business firms and judge the best among them.
- Design and plan to register a business firm. Prepare different documents to register a company at his own.
- Articulate new models of business organizations.

I Year B Com (Gen & CA)– Semester – II

Course 2A: Financial Accounting

Learning Outcomes:

At the end of the course the student will able to;

- Understand the concept of consignment and learn the accounting treatment of the various aspects of consignment.
- Analyze the accounting process and preparation of accounts in consignment and joint venture.
- Distinguish Joint Venture and Partnership and to learn the methods of maintaining records under Joint Venture.
- Determine the useful life and value of the depreciable assets and maintenance of Reserves in business entities.
- Design an accounting system for different models of businesses at his own using the principles of existing accounting system.

Course 2B: Business Economics

Learning Outcomes:

At the end of the course, the student will able to;

- Describe the nature of economics in dealing with the issues of scarcity of resources.
- Analyze supply and demand analysis and its impact on consumer behaviour.
- Evaluate the factors, such as production and costs affecting firm's behaviour.
- Recognize market failure and the role of government in dealing with those failures.
- Use economic analysis to evaluate controversial issues and policies.
- Apply economic models for managerial problems, identify their relationships, and formulate the decision making tools to be applied for business.

COURSE 3A: ADVANCED ACCOUNTING

LEARNING OUTCOMES

At the end of the course, the student will be able to:

- Understand the concept of Non-profit organizations and its accounting process
- Comprehend the concept of single-entry system and preparation of statement of affairs
- Familiarize with the legal formalities at the time of dissolution of the firm
- Prepare financial statements for partnership firm on dissolution of the firm.
- Employ critical thinking skills to understand the difference between the dissolution of the firm and dissolution of partnership

COURSE 3B: BUSINESS STATISTICS

LEARNING OUTCOMES

At the end of the course, the student will be able to:

- Understand the importance of Statistics in real life
- Formulate complete, concise, and correct mathematical proofs.
- Frame problems using multiple mathematical and statistical tools, measuring relationships by using standard techniques.
- Build and assess data-based models.
- Learn and apply the statistical tools in day life.
- Create quantitative models to solve real world problems in appropriate contexts.

COURSE 4A: CORPORATE ACCOUNTING

LEARNING OUTCOMES

At the end of the course, the student will be able to:

- Understand the Accounting treatment of Share Capital and aware of process of book building.
- Demonstrate the procedure for issue of bonus shares and buyback of shares.
- Comprehend the important provisions of Companies Act, 2013 and prepare final accounts of a company with Adjustments.
- Participate in the preparation of consolidated accounts for a corporate group.
- Understand analysis of complex issues, formulation of well-reasoned arguments and reaching better conclusions.
- Communicate accounting policy choices with reference to relevant laws and accounting standards.

COURSE 4B: COST AND MANAGEMENT ACCOUNTING

LEARNING OUTCOMES

At the end of the course, the student will be able to:

- Understand various costing methods and management techniques.
- Apply Cost and Management accounting methods for both manufacturing and service industry.
- Prepare cost sheet, quotations, and tenders to organization for different works.
- Analyze cost-volume-profit techniques to determine optimal managerial decisions.
- Compare and contrast the financial statements of firms and interpret the results.
- Prepare analysis of various special decisions, using relevant management techniques.

COURSE 4C: INCOME TAX

LEARNING OUTCOMES

At the end of the course, the student will be able to:

- Acquire the complete knowledge of the tax evasion, tax avoidance and tax planning.
- Understand the provisions and compute income tax for various sources.
- Grasp amendments made from time to time in Finance Act.
- Compute total income and define tax complications and structure.
- Prepare and File IT returns of individual at his own.

COURSE 4D: BUSINESS LAW

LEARNING OUTCOMES

At the end of the course, the student will be able to:

- Understand the legal environment of business and laws of business.
- Highlight the security aspects in the present cyber-crime scenario
- Apply basic legal knowledge to business transactions.
- Understand the various provisions of Company Law.
- Engage critical thinking to predict outcomes and recommend appropriate action on issues relating to business associations and legal issues.
- Integrate concept of business law with foreign trade.

COURSE 4E: AUDITING

LEARNING OUTCOMES

At the end of the course, the student will be able to:

- Understanding the meaning and necessity of audit in modern era
- Comprehend the role of auditor in avoiding the corporate frauds
- Identify the steps involved in performing audit process
- Determine the appropriate audit report for a given audit situation
- Apply auditing practices to different types of business entities
- Plan an audit by considering concepts of evidence, risk, and materiality

Course 16A: ADVANCED CORPORATE ACCOUNTING

(Skill Enhancement Course (Elective), 4 Credits)

COURSE LEARNING OUTCOMES:

After completing the course, the student shall be able to:

- Understand Corporate Accounting environment
- Record Transactions related to Purchase of Business, Amalgamation and Reconstruction
- Analyze the situations of Purchase of Business and Liquidation
- Create formulas and calculations relating to Amalgamation, Internal Reconstruction and Holding company accounts
- Acquire skills of Accounting Procedure of Advanced Corporate Accounting Environment.

Course 17A: SOFTWARE SOLUTIONS TO ACCOUNTING

(Skill Enhancement Course (Elective), 4 Credits)

COURSE LEARNING OUTCOMES

After completing the course, the student shall be able to:

- Understand the technical environment of accounting software's.
- Highlight the major accounting software's in India.
- Apply basics of accounting software's into business firms for accounting transactions.
- Understand the various versions of Tally and other software's.
- Integrate the concept of different Accounting software's for accounting purpose
- Design new approaches for use of accounting software environment.

Course 20 B: LIFE INSURANCE WITH PRACTICE

(Skill Enhancement Course (Elective), Credits)

COURSE LEARNING OUTCOMES

After completing the course, the student shall be able to:

1. Understand the Features of Life Insurance, schemes and policies and insurance companies in India
2. Analyze various schemes and policies related to Life Insurance sector
3. Choose suitable insurance policy for given situation and respective persons
4. Acquire Insurance Agency skills and other administrative skills
5. Acquire skill of settlement of claims under various circumstances

Course 21 B: GENERAL INSURANCE PROCEDURE AND PRACTICE

(Skill Enhancement Course (Elective), 4 Credits)

COURSE LEARNING OUTCOMES

After completing the course, the student shall be able to:

1. Understand the Features of General Insurance and Insurance Companies in India
2. Analyze various schemes and policies related to General Insurance sector
3. Choose suitable insurance policy under Health, Fire, Motor, and Marine Insurances
4. Acquire General Insurance Agency skills and administrative skills
5. Apply skill for settlement of claims under various circumstances

SVB Govt Degree College, Koilkuntla

Programme Specific Outcomes (PSOs)

B.Sc (MPCs)

1. Students develop problem-solving skills and methods and develop logical tools and models used to solve various real-life problems.
2. Students acquire knowledge of traditional and modern techniques of solving algebraic, transcendental equations, differential, and integral equations, which have applications in many disciplines.
3. The students attain sound knowledge in the areas of Mechanics, Thermal Physics, Waves and oscillations, optics, electromagnetism, modern physics, and solid-state physics for pursuing higher education and research.
4. Ability to design and develop software applications to address real-time problems using Programming languages, Databases, and Operating Systems Concepts.

Course Learning Outcomes (CLOs)

I SEMESTER

Paper-I: PROGRAMMING IN C

Upon successful completion of the course, a student will be able to:

1. Appreciate and understand the working of a digital computer
2. Analyze a given problem and develop an algorithm to solve the problem
3. Improve upon a solution to a problem
4. Use the 'C' language constructs in the right way
5. Design, develop and test programs written in 'C'

II SEMESTER

Paper-II: DATA STRUCTURES

After completing this course satisfactorily, a student will be able to:

1. Describe how arrays, records, linked structures, stacks, queues, trees, and graphs are represented in memory and used by algorithms
2. Describe common applications for arrays, records, linked structures, stacks, queues, trees, and graphs.
3. Write programs that use arrays, records, linked structures, stacks, queues, trees, and graphs
4. Demonstrate different methods for traversing trees
5. Compare alternative implementations of data structures with respect to performance
6. Compare and contrast the benefits of dynamic and static data structures implementations
7. Describe the concept of recursion, give examples of its use, and describe how it can be implemented using a stack.
8. Discuss the computational efficiency of the principal algorithms for sorting, searching, and hashing.

III SEMESTER

Paper-II: OBJECT ORIENTED PROGRAMMING USING JAVA

1. Understand the concept and underlying principles of Object-Oriented programming
2. Understand how object-oriented concepts are incorporated into the Java programming language
3. Develop problem-solving and programming skills using the OOP concept
4. Understand the benefits of a well-structured program
5. Develop the ability to solve real-world problems through software development in high-level
6. programming language like Java
7. Develop efficient Java applets and applications using the OOP concept
8. Become familiar with the fundamentals and acquire programming skills in the Java language.

IV SEMESTER

Paper-IV: DATA STRUCTURES

After completing this course satisfactorily, a student will be able to:

1. Describe how arrays, records, linked structures, stacks, queues, trees, and graphs are represented in memory and used by algorithms
2. Describe common applications for arrays, records, linked structures, stacks, queues, trees, and graphs.
3. Write programs that use arrays, records, linked structures, stacks, queues, trees, and graphs
4. Demonstrate different methods for traversing trees
5. Compare alternative implementations of data structures with respect to performance
6. Compare and contrast the benefits of dynamic and static data structures implementations
7. Describe the concept of recursion, give examples of its use, and describe how it can be implemented using a stack.
8. Discuss the computational efficiency of the principal algorithms for sorting, searching, and hashing.

V SEMESTER

Paper-V: Data Base Management System

On completing the subject, students will be able to:

1. Design and model of data in the database.
2. Store, Retrieve data in the database.

V SEMESTER

Paper VI: Software Engineering

1. Ability to gather and specify requirements of the software projects.
2. Ability to analyze software requirements with existing tools
3. Able to differentiate different testing methodologies
4. Able to understand and apply the basic project management practices in real-life projects
5. Ability to work in a team as well as independently on software projects

VI SEMESTER

Paper-VII: Elective-A

Web Technologies:

1. To understand the web architecture and web services.
2. To practice the latest web technologies and tools by conducting experiments.
3. To design interactive web pages using HTML and Style sheets.
4. To study the framework and building blocks of the .NET Integrated Development Environment.
5. To provide solutions by identifying and formulating IT-related problems.

VI SEMESTER

Paper-VII: Elective-A

PHP:

Course Outcomes

1. Introduction to web development with PHP
2. How to code a PHP application
3. Introduction to relational databases and MySQL
4. How to use PHP with a MySQL database
5. How to use the MVC pattern to organize your code
6. How to test and debug a PHP application
7. How to work with form data
8. How to code control statements
9. How to work with strings and numbers
10. How to work with dates
11. How to create and use arrays
12. How to work with cookies and sessions
13. How to create and use functions
14. How to use regular expressions, handle exceptions & validate data