



ST. FRANCIS COLLEGE Koramangala

Affiliated to Bengaluru City University

DEPARTMENT OF SCIENCE

B.Sc. PJC (Psychology, Journalism and Computer Science)

2019-20 ONWARDS(CBCS SCHEME)

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs):

PEO 1 To build basic foundation in psychology, to obtain insights in computing, to develop editing and reporting skills

PEO 2 To give comprehensive training for both theoretical and applied aspects of psychology, journalism and computer science

PEO 3. To provide adequate knowledge to the students to pursue further studies ,either of the three(Psychology, Journalism, Computer science) faculties

PROGRAMME OUTCOMES (POs):

PO1. Application of Theory

The ability to apply psychological theory, scientific method, and statistical knowledge to everyday problems

PO 2 Theoretical knowledge

A thorough grounding in the fundamental theoretical and applied subdisciplines of Psychology,

PO3. Awareness about self and others

Students can identify how we become aware of ourselves, how we learn to interact with others, and how we influence others and how they influence us.

PO 4. Enhancement of writing skill

Students will be able to acquire writing skill related to mass media

PO5 Practical application of design and creativity



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Students will be able to create and design emerging media products

PO6.Sensitising media laws

Students will understand and be able to apply relevant case law involving journalism

PO7 Computational Knowledge

Apply knowledge of computing fundamentals, computing specialisation, and domain knowledge appropriate for building computing models for defined problems and requirements.

PO8 Problem Analysis

Identify, formulate, and solve computing problems using fundamental principles of computing sciences, and relevant domain disciplines

PO9.Design Development of Solutions

Design and evaluate solutions for computing problems, design components, and formulate processes that meet specified needs.

PROGRAMME SPECIFIC OUTCOMES (PSOs):

PSO 1.To use of basic psychological tests and experiments, Identify and think on the various psychological problems.

PSO20. Make use of personality theories in daily practice.

POS3. Analyze and understand abnormal human behavior in practice.

PSO 4.Students will be able to write a variety of mass media products, including news stories, press releases, and advertising copy, following accepted journalistic standards, including Associated Press style

PSO 5 Students will be able to create and design emerging media products, including blogs, digital audio, digital video, social media, digital photography, and multimedia.

PSO 6. Students will understand and be able to apply relevant case law involving journalism, the First Amendment, and other mass media issues.

PSO 7 . The students will have a strong foundation in computer science with subjects like Computer Organization, Operating Systems, Data Communications, Network Security and will have adequate programming skills to develop software applications



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DEPARTMENT OF SCIENCE

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COURSE OUTCOMES (Cos)

2019-20 ONWARDS(CBCS SCHEME)

I SEM BSc. (PJC)

BASIC PSYCHOLOGICAL PROCESS

CO 1. Students will be able to apply the concepts of psychology in day to day life. CO 2. Students will acquire the foundation for better understanding of applied branches of psychology.

CO 3. Students will be able to understand self and social behaviour which in turn improves their interpersonal skills.

BASIC PSYCHOLOGICAL PROCESS LAB

COI .Students will be able to know how to conduct basic experiments psychology

CO2. Students will understand basic concepts in Psychology through experiments

CS: 1.1. INTRODUCTION TO COMMUNICATION

CO 1 .Students will be able to make effective oral presentations on a variety of topics in public settings

CO 2. Students will be able to apply basic and advanced human communication theories and models to academic and professional situations

CO 3. Students will be able to make effective business and professional presentations to internal and external audiences.

CO 4. Students will be able to find, use, and evaluate primary academic writing associated with the communication discipline

CO 5. Students will be able to communicate effectively orally and in writing.

INTRODUCTION TO COMMUNICATION LAB

CO 1. Create messages appropriate to the audience, purpose and context
CO2. Employ communication theories, perspectives, principles and concepts
CO3. Analyze transmitter and receiver circuits.



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C04. Identify and solve basic communication problems. **C05.** Students would critically analyze messages.

CSI T :PROGRAMMING CONCEPTS IN C

CO1. Understand the fundamental concepts like Software, types of software, Algorithms and learn to develop algorithms and draw flowcharts. Learn the fundamental concepts of C programming like data types, keywords, operators and expressions

CO2. Learn I/O functions in C and learn the different types of conditional statements and loops. Learn modular programming with functions.

CO3. Use single and multi-dimensional arrays and different storage classes

CO4. Understand structures and pointers and use them in programs. Use pointers with array

CO5. Perform File operations and learn dynamic memory allocation

C LAB

CO 1 To understand and apply various branching statements and looping constructs.

C02 To apply and analyse the various data representation and operations on it. **C03.** To understand and analyse the various ways of making function calls.

FOUNDATION COURSE- ENVIRONMENTAL SCIENCE

COI Master core concepts and methods from ecological and physical sciences and their application in environmental problem solving.

C02. Appreciate the ethical, cross-cultural, and historical context of environmental issues and the links between human and natural systems.

C03. Understand the transnational character of environmental problems and ways of addressing them, including interactions across local to global scales.

C04. Apply systems concepts and methodologies to analyse and understand interactions between social and environmental processes.

CO5. Reflect critically about their roles and identities as citizens, consumers and environmental actors in a complex, interconnected world



II SEM BSc. (PJC)

BASIC PSYCHOLOGICAL PROCESS

C01 .Students will apply the concepts of psychology in day to day life.

C02. Students will acquire the foundation for better understanding of applied branches of psychology.

C03. Students will be able to understand self and social behaviour which in turn improves their interpersonal skills

BASIC PSYCHOLOGICAL PROCESS LAB

COI .Apply experiments in learning, Memory and personality

C02. Students will be capable to conduct basic psychological experiments

FUNDEMENTALS OF JOURNALISM

CO1. Capable of entry-level media work in one of the major's areas of emphasis.

CO2. The ability to prepare content for news media outlets

CO3. Informed about journalistic ethics and capable of articulating an ethical decision.

CO4. Able to explain the importance of journalism

CO5. Conversant about contemporary media issues

FUNDEMENTALS OF JOURNALISM LAB

CO 1. Students will be able to become experts in writing reports, clicking photographs.

CO 2. Students will also understand the ethics and effectiveness of Reporting and Journalism



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CS2 T: DATA STRUCTURES

CO1. To understand the concept of Data Structures, ADT, Algorithms and their Complexity.

CO2. To work with simple data structures like Strings and Arrays and implement the String and Array operations.

CO3. To obtain insights about the ADT and data structures like linked lists. Understand and implement the different types of Linked Lists.

CO4. To understand the concept of Stack, implement the stack operations and implement the stack applications, Understand the different type so queues and perform queue operations

CO5. To understand the tree data structures, construct and traverse binary trees. Understand the graph term

DATA STRUCTURES LAB

CO1. Understand and write algorithms for string manipulation.

CO2. Understands different sorting techniques selection sort, insertion sort, quick sort and merge sort.

CO3. Understands ADT operations for linear data structures like linked lists, stacks and queues.

CO 4. Understands algorithms and writes programs for non-linear data structures like trees and graphs.

CO 5. Understands the applications of all the data structures.

FOUNDATION COURSE- INDIAN CONSTITUTION AND HUMAN RIGHTS

CO 1. Able to understand historical background of the Constitutional making and its importance for building a democratic India, the structure of Indian government, the structure of state government, the local Administration, Knowledge/Understand

CO 2. Able to apply the knowledge on directive principle of state policy, the knowledge in strengthening of the constitutional institutions like CAG, Election Commission and UPSC for sustaining democracy.



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CO 3. Able to analyze the History, features of Indian constitution, the role Governor and Chief Minister, role of state election commission, the decentralization of power between central, state and local self- government.

CO 4. Able to evaluate Preamble, Fundamental Rights and Duties, Zilla Panchayat, block level organization, various commissions

III SEM BSc. (PJC)

CHILD PSYCHOLOGY

COI . Comprehend and discuss about principles behind development of children across different areas and appreciate the growth and development of children growing up around them.

CO2 . Be able to identify, and create awareness to others about sequence of developmental stages and any deviation if identified.

CO3 . Be able to understand childhood behaviour and signs and symptoms of common disorders that develop during the childhood period, identify the same and guide others to seek referral for rectification of problems in children when need

CHILD PSYCHOLOGY LAB

COI. To get the practical knowledge about the theories which students studied in theory class

CO2. To Understand basic experiments on learning, memory and association

INTRODUCTION TO COMMUNICATION

COI. Students will be able to make effective oral presentations on a variety of topics in public settings.

C02. Students will be able to apply basic and advanced human communication theories and models to academic and professional situations.

CO3 Students will be able to make effective business and presentations to internal and external audiences.



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CO4. Students will be able to find, use, and evaluate primary academic writing associated with the communication discipline.

CO5. Students will be able to communicate effectively orally and in writing.

JOURNALISM PRACTICAL

CO 1 .Create messages appropriate to the audience, purpose and context

CO2.Employ communication theories, perspectives, principles and concepts

CO3. Analyze transmitter and receiver circuits.

CO4.Identify and solve basic communication problems.

CO5.Students would critically analyze

CULTURAL DIVERSITY (FOUNDATION COURSE)

CO1 : Understand the geographical, cultural and religious diversity of India and to communicate different cultural views and values

CO2: Understand the way in which race, ethnicity, caste and family structure are socially constructed and to recognize that social system developed out of adaptation to environmental circumstances.

CO3: Understand the contemporary challenges before the Indian society and having awareness of ethical problems, social rights, values & responsibilities of individuals.

IV SEM BSc. (PJC)

EDUCATIONAL PSYCHOLOGY

CO1. Describe the importance of educational psychology theory and research for classroom practice.

CO 2. Apply basic classroom management concepts and approaches to classroom scenarios.

EDUCATIONAL PSYCHOLOGY LAB

CO I. Apply basic Educational assessment on student population



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PERSONALITY DEVELOPMENT (FOUNDATION COURSE)

CO 1: Course will enable the students to understand and familiarize Personality Development through Self-Awareness, goal setting and creativity.

CO 2: Students will learn the on developing Interpersonal skills with techniques and its benefits. Also Effects of stress on body and mind-Stress removal techniques.

CO 3: Course will enable the students to enhance personality through effective time management with its benefits and necessity. Also the leadership development.

OPERATING SYSTEM AND UNIX

CO 1 -Understand the different concepts of Operating system.

CO 2. Evaluate the importance of process and scheduling in operating system.

CO 3. Apply different algorithms to solve operating system related problems CO 3.Analyze different algorithms and commands in OS

CO 4. Implementation of algorithms and commands in UNIX operating system.

UNIX PROGRAMMING LAB

CO 1. To provides a comprehensive introduction to SHELL programming, services and utilities.

CO 2. Write shell scripts to automate various tasks.

CO 3. Work confidently in UNIX environment

EDITING

CO 1. Understand the basics of news editing and design.



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CO 2. Students will learn how to edit stories and design pages on paper and on computers

CO 3. Students will be able to critically assess the content of the news. **C04.** Understand the editing, tools, and method

EDITING PRACTICAL

CO 1. Practice writing and editing Copies

CO 2. Practice writing various types of Headline writing

CO 3. Translate any text from any literature in their known language.

CO 4. Students will be able to write Caption of the photographs clicked by themselves

V SEM BSc. (PJC)

PSYCHOLOGICAL DISORDERS

CO1 . To be able to identify behaviours considered to be as abnormal based on intensity, duration, and frequency of occurrence of behaviour.

CO2. To be able to categories disorders in to different types based on clusters of signs and symptoms.

CO3: To be able to identify disorders which require definite referral for diagnosis and treatment purpose.

COUNSELLING PSYCHOLOGY

CO 1. This paper will provide an overview and understanding of the counselling profession.

CO 2. Understand and apply important skills and processes from a range of counselling approaches.

PSYCHOLOGICAL DISORDERS PRACTICAL

COI o To help students have clarity over commonly used screening tools and assessments used during psychological intervention for psychological disorders.



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COUNSELING PSYCHOLOGY PRACTICAL

COI To help students have clarity over commonly used screening tools and assessments used in the field of counseling and guidance.

WEB PROGRAMMING THEORY

CO 1 Describe fundamentals of web

CO2 Create static webpage using HTML

CO3 Describe the importance of CSS in web development

C04. Describe the function of JavaScript as a dynamic webpage creating tool

CO 5. Prepare XML parse tree

WEB PROGRAMMING LAB

COI. Analyse a web page and identify its elements and attributes.

CO2. Create web pages using XHTML and Cascading Style Sheets.

CO3 Design dynamic web pages using JavaScript (Client side programming). **C04.** Construct using DOM (Document Object Model) interface for web documents

CO5 Create XML documents and Schemas.

BANKING & FINANCE- (FC)

CO L. The students will be able to Understand the operation of financial system.

CO 2. Analyse the mechanism of banking system and other financial institutions.

CO 3. The students will be able to understand the power and significance of money.

PSYCHOLOGICAL DISORDERS

CO 1. To be able to identify behaviours considered to be as abnormal based on intensity, duration, and frequency of occurrence of behaviour

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CO 3 To be able to identify disorders which require definite referral for diagnosis and treatment purpose.

COUNSELLING PSYCHOLOGY

COI. This paper will provide an overview and understanding of the counselling



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profession.

CO 2. Understand and apply important skills and processes from a range of counselling approaches.

ABNORMAL PSYCHOLOGY PRACTICAL

COI. To help students have clarity over commonly used screening tools and assessments used during psychological intervention for psychological disorders.

COUNSELING PSYCHOLOGY PRACTICAL

COI . To help students have clarity over commonly used screening tools and assessments used in the field of counseling and guidance,

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BANKING & FINANCE- (FC)

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CO 2. Analyse the mechanism of banking system and other financial institutions.

CO 3. The students will be able to understand the power and significance of money.

CO 4. Understand the functions and applications of finance in trade and commerce.

CO 5. Evaluates the recent investment methods in Indian financial system.



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COURSE: VISUAL PROGRAMMING

CO 1: Understand the concept of front-end applications and its importance for designing a web page using IDE properties.

CO 2: Use syntax and semantics of the visual programming language and demonstrate the fundamentals of object-oriented programming concepts, in addition to creating multiple documents on a single web page.

CO 3: Explain and implement advanced data controls and objects to create database and perform data handling operation.

CO 4: Demonstrate fundamentals of VC++ concepts and its advantages, and developing and event based web application to perform various user activities. **CO 5:** Analyse real-time problems and use VB IDE tool to troubleshoot issues by designing the application.

VISUAL PROGRAMMING LAB

CO 1: Create a simple visual basic application using VB 6.0 properties, OOPS, and advanced VC++ components.

CO 2: Create menus and multiple forms in one application.

CO 3: Build an efficient API with advanced programming ideas.

CO 4: Understand and demonstrate SQL queries to retrieve data from database and perform database connectivity,

VI SEM BSc. (PJC)

ADVERTISING AND PUBLIC RELATIONS

CO1.Apply the fundamental understanding of advertising

CO2.Understand the place of advertising in business, branding, and society.

CO3.Explain and understand public relations as an ethical practice, a planned process

CO4.Look at PR as a managerial concept

CO4.Get a broader spectrum of PR a behavioural science.



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ADVERTISING AND PUBLIC RELATIONS PRACTICAL

CO 1 Write and analyse Press releases

CO2, Will be able to shoot and direct their own Ad films

CO3. Write appropriate slogans for pre clicked and pictures that they will be clicking

CO4. Write Ad copies for their Ad Films

CO5. Make/compose their own radio music/jingle/ BGM/

INTRO TO DIGITAL MEDIA

CO1. Effective users of creative technology and social media platforms.

CO2. The students will know how to produce high-quality multimedia **CO3**. Make digital images/ contents and videos.

INTRO TO DIGITAL MEDIA PRACTICAL

CO 1. Write for Blogs on various contents

CO2. Write for Social Media platforms

CO3. Be well aware of the laws and crimes of the cyber world through various case studies.

CO4. Make their own digital media content

CO5. Their own photo essay, photo story, photo newsletter

ENTREPRENEURSHIP AND INNOVATION -(FC)

CO1 . The students will be able understand the nature and concepts of entrepreneurship.

CO 2. Analyses the impact of Make in India, Start-up India and Mudra Bank.

CO 3. Understand the business ideas and innovative techniques.

CO 4. Develops innovative business plans and strategies among students. **CO 5**. Explain the process of business projects reports.



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HEALTH PSYCHOLOGY THEORY

CO 1. This paper will create awareness about the scope of health psychology and its role in achievement and maintenance of health.

HEALTH PSYCHOLOGY LAB

COI. Apply basic Personality assessment on general population

ORGANIZATIONAL PSYCHOLOGY THEORY

CO1 . Students will demonstrate a basic understanding of the major areas of organizational psychology.

CO2. Students will learn to apply organizational theory to specific organizational situations.

ORGANIZATIONAL PSYCHOLOGY LAB

COI. Students will get an understanding of the various assessments and screening tools used for recruitment and career guidance.

WEB PROGRAMMING THEORY

CO I .Describe fundamentals of web

CO2. Create static webpage using HTML

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WEB PROGRAMMING LAB

CO I .Analyse a web page and identify its elements and attributes.



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CO2. Create web pages using XHTML and Cascading Style Sheets.

CO3. Design dynamic web pages using JavaScript (Client side programming). **CO4.** Construct using DOM (Document Object Model) interface for web documents

CO5. Create XML documents and Schemas.

COMPUTER NETWORKS THEORY

CO1. Analyze and Understand Transmission Media, Local Asynchronous Communication

CO2. Understand and Recognize Packets, Frames and Error Detection

CO3. Analyze, specify and design the topological and routing strategies for an IP based networking infrastructure

CO4. State and explain Internetworking

COMPUTER PROJECT LAB

CO 1: Design and implement solutions for specific problem defined.

CO 2: Communicate the solutions through presentation and documentation.

CO 3: Analyse real-world problems and apply recent methods and techniques to find the optimal solution.

CO 4: Demonstrate self-learning abilities towards sustainable effect



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