



Ready for  
Every Good Work

# SACRED HEART COLLEGE (AUTONOMOUS)

Tirupattur – 635 601, Tamil Nadu, S.India

Resi : (04179) 220103

College : (04179) 220553

Fax : (04179) 226423

A Don Bosco Institution of Higher Education, Founded in 1951 \* Affiliated to Thiruvalluvar University, Vellore \* Autonomous since 1987

Accredited by NAAC (4<sup>th</sup> Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

## Name of the Programme: BA Economics

S No	Title of the Paper	Course Code	Course Objectives	Course Outcomes	Relevance
1	INDUSTRIAL ECONOMICS	E420	<ul style="list-style-type: none"><li>To understand the basic concepts in Industrial Economics.</li><li>To learn the theories in Industrial location, mergers, and SEZs.</li><li>To know the classification of Indian industries and its productivity.</li><li>To analyze the sources of industrial financial institutions.</li><li>To evaluate the performance of industrial development.</li></ul>	<ul style="list-style-type: none"><li>Working with Industrial linkages.</li><li>Familiarizing the theories of Industrial location, mergers, and SEZs.</li><li>Differentiating the Indian industries and its productivity.</li><li>Exploring the sources of industrial financial institutions.</li><li>Appraising the industrial dynamics, and its regulations.</li></ul>	Local

2	ELECTIVE:1 MANAGERIAL ECONOMICS	E547A	<ul style="list-style-type: none"> <li>To study the basics of managerial economics.</li> <li>To understand the concepts of cost and revenue.</li> <li>To study different pricing strategies.</li> <li>To learn the demand forecasting.</li> <li>To know the investment proposals.</li> </ul>	<ul style="list-style-type: none"> <li>Identifying the different aspects of managerial economics.</li> <li>Relating the cost and revenue analysis.</li> <li>Applying the different pricing strategies in business.</li> <li>Predicting different methods to demand forecasting.</li> <li>Estimating capital budgeting in business.</li> </ul>	Local
3	ELECTIVE:3 HUMAN RESOURCE MANAGEMENT	E547C	<ul style="list-style-type: none"> <li>To understand the basic concepts of Human Resource Management.</li> </ul>	<ul style="list-style-type: none"> <li>Familiarizing the functions of Human Resource Management.</li> </ul>	Local
5	NON-MAJOR ELECTIVE – II: INDIAN ECONOMY: BASIC ISSUES	NEC604	<ul style="list-style-type: none"> <li>To study basic ideas of economic systems.</li> <li>To understand the issues of Indian agriculture.</li> <li>To know the major issues faced by the Indian industries.</li> <li>To learn the roles and responsibilities of the service sector.</li> <li>To know the major issues affecting the Indian economy.</li> </ul>	<ul style="list-style-type: none"> <li>Familiarizing the different economic systems.</li> <li>Describing emerging issues in agriculture</li> <li>Analyzing the recent issues in Industrial sector</li> <li>Evaluating the contribution of service sector</li> <li>Assessing the emerging issues in Indian economy.</li> </ul>	Local



Ready for  
Every Good Work

# SACRED HEART COLLEGE (AUTONOMOUS)

Tirupattur – 635 601, Tamil Nadu, S.India

Resi : (04179) 220103

College : (04179) 220553

Fax : (04179) 226423

A Don Bosco Institution of Higher Education, Founded in 1951 \* Affiliated to Thiruvalluvar University, Vellore \* Autonomous since 1987

Accredited by NAAC (4<sup>th</sup> Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

## Name of the Programme: MA Economics

S No	Title of the Paper	Course Code	Course Objectives	Course Outcomes	Relevance
1	ELECTIVE -I DEMOGRAPHY	E752A	<ul style="list-style-type: none"><li>To learn the population growth and economic developed in developing countries.</li><li>To study the concepts of demography and the vital statistical indicators. .</li><li>To understand the population census to frame the suitable Government policies.</li><li>To demonstrate the techniques of population projection.,</li><li>To evaluate the new population policy and its implementations for development strategy.</li></ul>	<ul style="list-style-type: none"><li>Classifying population and economic growth in developing and developed countries.</li><li>Comparing demography and vital statistics.</li><li>Applying diverse techniques in measurement of population studies.</li><li>Analyzing the measurement of population projection and aging population.</li><li>Evaluating different new population policies for growth and development.</li></ul>	Local

2	ELECTIVE I: ECONOMICS OF INFRASTRUCTURE	E752C	<ul style="list-style-type: none"> <li>To learn understand the basic concepts of public utility services.</li> <li>To study social physical infrastructural theories.</li> <li>To understand the health care services and new education.</li> <li>To demonstrate the basic amenities and pricing policy in rural and urban areas.</li> <li>To evaluate different forms of social infrastructural services.</li> </ul>	<ul style="list-style-type: none"> <li>Relating the basic public utility services.</li> <li>Applying the different public utility services and its development.</li> <li>Analyzing the demand and supply of health care and educational services.</li> <li>Examining the basic utility services and pricing.</li> <li>Constructing the social infrastructural services.</li> </ul>	Local
3	ELECTIVE II: INDUSTRIAL ECONOMICS	E859A	<ul style="list-style-type: none"> <li>To learn the fundamentals of Industrial Economics.</li> <li>To study different theories in Industrial location.</li> <li>To understand Indian industrial growth and pattern.</li> <li>To demonstrate industrial labour legislation and labour market.</li> <li>To evaluate industrial concentration and its diversification.</li> </ul>	<ul style="list-style-type: none"> <li>Understanding the fundamental ideas in Industrial Economics.</li> <li>Applying different theories of Industrial location.</li> <li>Comparing the Indian industrial growth and pattern.</li> <li>Appraising of industrial labour legislation and labour market.</li> <li>Assessing the industrial concentration and analyze the diversification.</li> </ul>	Local
4	ELECTIVE II: ECONOMICS OF URBANISATION	E859B	<ul style="list-style-type: none"> <li>To learn the structure of urban economics.</li> <li>To study the theories of urban economics.</li> <li>To understand the trends in urban housing and labour market.</li> <li>To demonstrate about the problems of urbanization.</li> <li>To evaluate the modern approach of</li> </ul>	<ul style="list-style-type: none"> <li>Understanding the nature and structure of urban economics.</li> <li>Examining the theoretical knowledge of urban economics.</li> <li>Applying suitable policies in upgrading the structure of urbanization.</li> <li>Assessing appropriate policies in urbanization problems.</li> </ul>	Local

			growth strategies.	<ul style="list-style-type: none"> <li>Evaluating the government policies on various aspects of urban development.</li> </ul>	
5	ENTREPRENEURSHIP TRAINING SKILLS	E860S	<ul style="list-style-type: none"> <li>To learn the importance of entrepreneurship for economic development.</li> <li>To study personal creativity and entrepreneurial initiatives.</li> <li>To understand business ideas for the project appraisal.</li> <li>To demonstrate marketing strategies and institutional finance.</li> <li>To evaluate the various benefits of small scale industry.</li> <li>.</li> </ul>	<ul style="list-style-type: none"> <li>Understanding the resources for business enterprise.</li> <li>Organising programs to develop the entrepreneurial activities.</li> <li>Preparing business project proposals for new business.</li> <li>Applying industrial finance for marketing.</li> <li>Creating innovative ideas for new business initiatives.</li> </ul>	Local
6	CO-OPERATION AND RURAL DEVELOPMENT (ELECTIVE OPTIONAL)	E1042C	<ul style="list-style-type: none"> <li>To understand the concept of cooperation and its origin.</li> <li>To acquire knowledge of international cooperative movements and its growth.</li> <li>To understand the role agriculture in rural development.</li> <li>To acquire knowledge about financial institutions in rural development.</li> <li>To understand the role of Government in rural development programs.</li> </ul>	<ul style="list-style-type: none"> <li>Understanding the history and growth of cooperation in India</li> <li>Acquiring knowledge of cooperative movement in international level</li> <li>Understanding the agricultural policy, taxation and rural development</li> <li>Familiarizing with NABARD, RRBs and SHGs in rural development</li> <li>Knowing the food for work program, rural credit institutions and rural development programs of Government of India.</li> </ul>	Local



# SACRED HEART COLLEGE (AUTONOMOUS)

Tirupattur – 635 601, Tamil Nadu, S.India

Resi : (04179) 220103

College : (04179) 220553

Fax : (04179) 226423

A Don Bosco Institution of Higher Education, Founded in 1951 \* Affiliated to Thiruvalluvar University, Vellore \* Autonomous since 1987

Accredited by NAAC (4<sup>th</sup> Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

## Name of the Programme: B Com

S No	Title of the Paper	Course Code	Course Objectives	Course Outcomes	Relevance
1	COMPUTER FUNDAMENTALS AND E-COMMERCE	C545A	<ul style="list-style-type: none"> <li>The students will be able to- Understand the basics of computer and the role of information technology in business.</li> <li>Understand an operating system, its functions, types, advantages and disadvantages and learn about the application and utility software.</li> <li>Learn basic Spreadsheet operations and its application in business.</li> <li>Study about the Internet technologies and usage of internet to society.</li> <li>Avail the knowledge in the application of E Commerce in the business field</li> </ul>	<ul style="list-style-type: none"> <li>After studying this course, students would be able to Develop interest in using computer system and information technology for professional career.</li> <li>Develop skills for using various application software and operating system.</li> <li>Apply excel tools in various areas of business.</li> <li>Understand about the internet, how to access it and what it can be used for.</li> <li>Identify the importance of digital presence in business and implement the same in a working environment</li> </ul>	Local
	ENTREPRENEURSHIP	C545B	<p>The students will be able to</p> <ul style="list-style-type: none"> <li>To understand the concept of entrepreneurship and entrepreneurship development program.</li> <li>To identify and avail the various</li> </ul>	<p>After studying this course, students would be able to</p> <ul style="list-style-type: none"> <li>Explain the concept of entrepreneurship and entrepreneurship development programs.</li> <li>Use the various financial support and</li> </ul>	Local

2			<p>financial support and other services provided by the various institutions.</p> <ul style="list-style-type: none"> <li>• To develop and evaluate the business ideas and opportunities.</li> <li>• To understand and prepare the project report to get the required finance.</li> <li>• To appraise the different schemes available for MSMEs, women entrepreneurs and franchising.</li> </ul>	<p>other services provided by the various institutions.</p> <ul style="list-style-type: none"> <li>• Identify and appraise the various business ideas and opportunities.</li> <li>• Develop the project report to finance the projects.</li> <li>• Evaluate and choose the schemes available for MSMEs and women entrepreneurs.</li> </ul>	
3	INDUSTRIAL RELATIONS AND LABOUR LAW	C650B	<p>This course aims.</p> <ul style="list-style-type: none"> <li>• To introduce to the students the concept of industrial relations and the role of government in promoting it.</li> <li>• To make students understand the role of trade unions in promoting industrial relations and the major provisions of the Trade Unions Act.</li> <li>• Acquaint the students with the concepts, process and methods of collective bargaining and workers participation in management.</li> <li>• To help students understand the different forms of industrial disputes the functioning of various dispute settlement agencies.</li> <li>• To enable the students to understand the important provisions of the Factories Act relating to the conditions of labour and terms of employment.</li> </ul>	<p>On successful completion of the course the students will be able to:</p> <ul style="list-style-type: none"> <li>• Exhibit a clear understanding of the concept of industrial relations and the role of state in promoting it.</li> <li>• Know how trade unions are formed and their history in India along with their role in promoting industrial relations.</li> <li>• Understand the concepts of collective bargaining and workers participation in management and the related concepts.</li> <li>• Get a clear picture of the different forms of industrial disputes and the role of government in preventing and settling industrial disputes.</li> <li>• Know and recall the important provisions of the Factories Act relating to the terms of employment and conditions of labour.</li> </ul>	Local

4	SOCIAL ENTREPRENEURSHIP	C650C	<p>The student will be able to-</p> <ul style="list-style-type: none"> <li>• Understand the social entrepreneurship process, framework and social activism.</li> <li>• Examine the concepts underpinning social entrepreneurship to gain a comprehensive understanding of the opportunities.</li> <li>• Comprehend the concept of social innovation, environmental ethics and sustainability to evolve a successful model of social innovation.</li> <li>• Critically assess the strategic and operational issues faced by those who create and manage social enterprises in the process of bringing a successful model of social entrepreneurship.</li> </ul>	<p>After studying this course, students would be able to</p> <ul style="list-style-type: none"> <li>• Understand the social entrepreneurship process, framework and social activism.</li> <li>• Examine the concepts underpinning social entrepreneurship to gain a comprehensive understanding of the opportunities. Identify and analyze the social entrepreneurial opportunities.</li> <li>• Comprehend the concept of social innovation, environmental ethics and sustainability to evaluate and evolve a successful model of social innovation.</li> <li>• Critically assess the range of strategic and operational issues faced by those who create and manage social enterprises to create a successful model of social entrepreneurship.</li> </ul>	Local
5	MODERN SALESMANSHIP	C651B	<p>The students will be able to</p> <ul style="list-style-type: none"> <li>• Get acquainted with the concept of salesmanship along with its objectives, features, advantages, etc. Acquire about the information on different types of salesmanship and functions, duties, and qualities of a salesman.</li> <li>• Develop talents in knowing the different stages of personal selling and the various theories associated with personal selling.</li> <li>• Improve their knowledge on the process of recruiting a salesman and various types of training given to the salesmen.</li> </ul>	<p>After studying this course, students would be able to</p> <ul style="list-style-type: none"> <li>• Apply their knowledge on the concept of salesmanship along with its objectives, features, advantages, etc.</li> <li>• Understand about the information on different types of salesmanship and functions, duties, and qualities of a salesman.</li> <li>• Analyze and integrate their skills in knowing the different stages of personal selling and the various theories associated with personal selling.</li> </ul>	Local



			<ul style="list-style-type: none"><li>• Gain insights into the factors considered in controlling and evaluating the salesman.</li></ul>	<ul style="list-style-type: none"><li>• Apply their awareness on the process of recruiting a salesman and various types of training given to the salesmen.</li><li>• Expose their insights into the factors considered in controlling and evaluating the salesman.</li></ul>	
--	--	--	---	--	--



Ready for  
Every Good Work

# SACRED HEART COLLEGE (AUTONOMOUS)

Tirupattur – 635 601, Tamil Nadu, S.India

Resi : (04179) 220103

College : (04179) 220553

Fax : (04179) 226423

A Don Bosco Institution of Higher Education, Founded in 1951 \* Affiliated to Thiruvalluvar University, Vellore \* Autonomous since 1987

Accredited by NAAC (4<sup>th</sup> Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

## Name of the Programme: M Com

S No	Title of the Paper	Course Code	Course Objectives	Course Outcomes	Relevance
1	ADVANCED FINANCIAL ACCOUNTING	C722	<ul style="list-style-type: none"> <li>To discover knowledge on the admission and retirement of partners.</li> <li>To differentiate the books of Old Firm and the New Firm on the basis of joint life policy.</li> <li>To interpret the applications of Garner Vs Murray at that time of dissolution of firm.</li> <li>To summarizing the accounting problems in relating to Amalgamation, absorption and reconstruction of companies</li> <li>To construct and summarized the knowledge on liquidators final statement</li> </ul>	<ul style="list-style-type: none"> <li>Discover knowledge on new profit sharing ratio, revaluation of assets and liabilities, adjustment of goodwill at that time admission, retirement and death of partners.</li> <li>Illustrate the calculation of deceased partners' share of profit and treatment of Joint Life Policy in the books of Old Firm and the New Firm.</li> <li>Experiment the unrecorded Assets and Liabilities with the application of Garner Vs Murray at that time of dissolution of firm.</li> <li>Summarizing the accounting problems in relating to Amalgamation, absorption and reconstruction of companies.</li> <li>Construct and summarized the knowledge on various payments, calculation of liquidators remuneration and preparation of liquidators final statement</li> </ul>	Local/ National

2	SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT	C726B	<ul style="list-style-type: none"> <li>To understand about the securities market and its governing authorities.</li> <li>To enhance the understanding of Securities Market</li> <li>To develop the knowledge about fundamental analysis</li> <li>To impart the knowledge on Risk and Return Analysis and Theories (Arbitrage and CAPM)</li> <li>To inculcate the depth understanding about the derivative market</li> </ul>	<ul style="list-style-type: none"> <li>Have an overview about the securities market and its governing authorities.</li> <li>Give the enhanced knowledge about the securities market and related matters</li> <li>Explain the various dimensions of fundamental analysis</li> <li>Appreciate the testing of Risk and Return Analysis and Portfolio Theories</li> <li>Comprehend the investment avenues in derivative markets</li> </ul>	Local/ National
3	ORGANIZATIONAL BEHAVIOUR	C928	<ul style="list-style-type: none"> <li>To understand the concept of Organisational behaviour and make use of various approaches of Organisational behaviour</li> <li>To identify biographical and learned characteristics in the formation of individual behaviour</li> <li>To discover how perception, values and attitudes affects individual behaviour</li> </ul>	<ul style="list-style-type: none"> <li>Acquire the knowledge on the concept of Organisational behaviour, its applications in the global scenario Evaluate the factors which affect individual behaviour like ability, personality and learning.</li> <li>Determine the perceptual selectivity and contribution of values and attitude in forming individual behaviour.</li> <li>Classify group to improve group</li> </ul>	Local/ National
4	EXECUTIVE SKILLS DEVELOPMENT	C930B	<ul style="list-style-type: none"> <li>To enable the student to know himself and to develop Executive personality</li> <li>To equip the students with some basic communication skills</li> <li>To train students to understand themselves and develop better personality traits.</li> <li>To enable students understand the</li> </ul>	<ul style="list-style-type: none"> <li>Understand their inner personality and identify various character traits in life.</li> <li>Various complexes existing in the society and understand the various inter personal relationships.</li> <li>Develop a keen sense of interest in developing their entrepreneurial skills.</li> <li>Become more adopt in communication</li> </ul>	Local/ National

5	PROJECT	C931J	<ul style="list-style-type: none"> <li>• To demonstrate the objectives, hypothesis, scope, problems and limitations of the research work carried on the project. To exhibit specialised knowledge on the review of literature of a research work based on the project.</li> <li>• To develop an expertise on the research methodology and on the source of collection of information.</li> <li>• To make them understand the techniques of data analysis and interpretation using relevant statistical tools.</li> <li>• To enumerate the findings, suggestions and conclusions based on the objectives and hypothesis relevant to the subject of the research work.</li> </ul>	<ul style="list-style-type: none"> <li>• Enhance their knowledge on developing the Objectives, Scope, Problems and Limitations of a research work. Construct the ideas relevant to the review of literature of a research work, by studying the previously done articles or research works.</li> <li>• Enumerate the different components of research methodology (like design, sample size, sampling, etc.) of a research work or a project work.</li> <li>• Interpret the data that were collected by them for their research work and analyse them in different outputs.</li> <li>• Discover the findings of the study of a particular research work and could able to give suggestions and conclusions of that research work.</li> </ul>	Local/ National
---	---------	-------	---	--	--------------------



Ready for  
Every Good Work

# SACRED HEART COLLEGE (AUTONOMOUS)

Tirupattur – 635 601, Tamil Nadu, S.India

Resi : (04179) 220103

College : (04179) 220553

Fax : (04179) 226423

A Don Bosco Institution of Higher Education, Founded in 1951 \* Affiliated to Thiruvalluvar University, Vellore \* Autonomous since 1987

Accredited by NAAC (4<sup>th</sup> Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

## Name of the Programme: B.Sc. Mathematics

S No	Title of the Paper	Course Code	Course Objectives	Course Outcomes	Relevance
1	MATHEMATICAL APTITUDE – I (SSP)		<ul style="list-style-type: none"><li>To prepare the Students for Competitive Examinations</li></ul>	<ul style="list-style-type: none"><li>gain knowledge about important topics that are necessary to clear competitive examinations.</li></ul>	Local/ National
2	MATHEMATICAL APTITUDE – II (SSP)		<ul style="list-style-type: none"><li>To prepare the Students for Competitive Examinations.</li></ul>	<ul style="list-style-type: none"><li>Acquire knowledge on important topics that are necessary to clear competitive examinations.</li></ul>	Local/ National
3	NON-MAJOR ELECTIVE MATHEMATICS FOR COMPETITIVE EXAMINATIONS - 2	NMA 604	<ul style="list-style-type: none"><li>To prepare the students for competitive examinations</li></ul>	<ul style="list-style-type: none"><li>acquire knowledge about profit and loss, problem on trains, boats and stream, problems on calendars, Probability and data interpretation problems which helps to clear competitive examinations</li></ul>	Local/ National





Ready for  
Every Good Work

# SACRED HEART COLLEGE (AUTONOMOUS)

Tirupattur – 635 601, Tamil Nadu, S.India

Resi : (04179) 220103

College : (04179) 220553

Fax : (04179) 226423

A Don Bosco Institution of Higher Education, Founded in 1951 \* Affiliated to Thiruvalluvar University, Vellore \* Autonomous since 1987

Accredited by NAAC (4<sup>th</sup> Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

## Name of the Programme: MSc. Mathematics

S No	Title of the Paper	Course Code	Course Objectives	Course Outcomes	Relevance
1	CERTIFICATE COURSE - R LANGUAGE FOR STATISTICS	M847X	<ul style="list-style-type: none"><li>To introduce to the students the novel applications of R language and to give them a hands on experience of working with data</li></ul>	<ul style="list-style-type: none"><li>explain practical implications of expectation and variance and how they predict the shapes of distribution and density (mass) functions of a random variable</li><li>demonstrate capability to write programming codes for plotting different distributions.</li><li>evaluate the independence of attributes and design of experiments.</li><li>describe and apply probability distribution function and different types of distributive functions through R Language.</li><li>know and understand about Tests of Hypothesis through R.</li></ul>	Local

2	ADVANCED BUSINESS STATISTICS FOR MANAGEMENT		<ul style="list-style-type: none"> <li>To impart the knowledge to analyze the data using statistical techniques, such as hypothesis testing and regression estimation</li> </ul>	<ul style="list-style-type: none"> <li>describe the concept of a random variable and its probability distributions.</li> <li>compute and interpret the correlation and regression analysis.</li> <li>analyze probability distribution (discrete and continuous) to a variety of problems in various diversified fields.</li> <li>draft various methods for testing of hypothesis.</li> <li>develop strategies using mathematical methods to solve real world problems</li> </ul>	Local
3	ADVANCED BUSINESS STATISTICS (FOR M.COM)	MBA134T	<ul style="list-style-type: none"> <li>To apply statistical techniques for interpreting and drawing conclusion for business problems.</li> </ul>	<p>This course will enable the students to:</p> <ul style="list-style-type: none"> <li>understand the concept of a random variable and its probability distributions.</li> <li>compute and interpret partial and multiple correlation.</li> <li>apply probability distribution (discrete and continuous) to a variety of problems in various diversified fields.</li> <li>discuss the different methods of testing of hypothesis</li> </ul>	Local
4	QUANTITATIVE TECHNIQUES FOR BUSINESS DECISIONS (FOR M.COM)		<ul style="list-style-type: none"> <li>To apply OR techniques for interpreting and drawing conclusion for business problems.</li> </ul>	<p>This course will enable the students to:</p> <ul style="list-style-type: none"> <li>develop and solve LPP models using graphical and simplex method.</li> <li>have an in-depth study of Transportation and Assignment problems.</li> <li>understand the meaning of inventory control as well as various forms and functional role of inventory.</li> <li>understand and use PERT-CPM technique for project management and to construct network diagram. Time schedule Resource levelling with probability and cost consideration</li> </ul>	Local



5	CERTIFICATE PROGRAMME – LATEX FOR MATHEMATICS	M951X	<ul style="list-style-type: none"> <li>To train students in the preparation of projects and dissertations using LaTeX</li> </ul>	<ul style="list-style-type: none"> <li>define preamble for preparation of documents with paragraphs and sections</li> <li>understand basic typesetting mathematical expressions and numbered equations</li> <li>explain and demonstrate different packages and construct tables and insert figures in the document.</li> <li>find and resolve errors that occurs.</li> <li>compile the source file to get expected output form as required.</li> </ul>	Local
6	CERTIFICATE COURSE – MATHEMATICS FOR COMPETITIVE EXAMINATIONS – II (IDC)	M1048X	<ul style="list-style-type: none"> <li>Quantitative Aptitude Tests evaluate numerical ability and problem solving skills of candidates. This test forms the major part of a number of important entrance exams for different fields. CAT, MAT, XAT, and GMAT and many other significant exams have Quantitative Aptitude as a major section. Many companies use it in their selection procedure. Topics that may be included in different exams are:</li> </ul>	<ul style="list-style-type: none"> <li>make critique of quantitative information using proportional reasoning</li> <li>interpret and compare the statements for verification of truth.</li> <li>identify suitable methods for providing analytical reasoning.</li> <li>examining and estimating simple and compound interest</li> <li>solve problems and provide suitable graphical representation.</li> </ul>	Local



*Ready for  
Every Good Work*

# SACRED HEART COLLEGE (AUTONOMOUS)

Tirupattur – 635 601, Tamil Nadu, S.India

Resi : (04179) 220103

College : (04179) 220553

Fax : (04179) 226423

---

A Don Bosco Institution of Higher Education, Founded in 1951 \* Affiliated to Thiruvalluvar University, Vellore \* Autonomous since 1987

Accredited by NAAC (4<sup>th</sup> Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

---

**Name of the Programme: B. Sc Physics**

S. No	Title of the Paper	Course Code	Course Objectives	Course Outcomes	Relevance
1	SUBJECT ELECTIVE II: MEDICAL PHYSICS	P539C	<ul style="list-style-type: none"> <li>• To provide a knowledge on the physics principles involved in the pressure system, optical system, dynamics of human body and acoustics of human body.</li> <li>• To understand radiation exposure and its measurement and the working mechanism of different radiation detectors.</li> <li>• To learn the principles and instrumentation involved in various diagnostic systems.</li> <li>• To enable the students to understand the principle, instrumentation and working of biological imaging systems. To create awareness on radiation hazards and protection against radiation hazards.</li> </ul>	<p>On successful completion of the course, the students will be able to</p> <p>Explain and differentiate the various physics principles involved in the dynamics of human body and in the pressure system, optical system, and acoustics of humanbody.</p> <ul style="list-style-type: none"> <li>• understand and distinguish the various units used in radiation exposure measurement and describe the working mechanism of different radiation detectors.</li> <li>• Demonstrate an understanding of working principle and instrumentation of various diagnostic systems.</li> <li>• understand the principle, instrumentation and working of biological imaging systems and evaluate their merits and demerits.</li> <li>• Describe various radiation hazards and design equipment for protection against radiation hazards.</li> </ul>	<p><b>Local, Regional &amp; National developmental needs</b></p>

2	SUBJECT SKILL – I : ELECTRICAL CIRCUITS AND NETWORKS (THEORY)	P634S	<ul style="list-style-type: none"> <li>• To develop an understanding of the basics of electrical devices and circuits.</li> <li>• To understand the fundamental laws of electrical circuits and various circuit analysis theorems.</li> <li>• To develop an understanding of single-phase and three-phase AC.</li> <li>• To know the effect of open circuits and short circuits</li> <li>• To impart knowledge of domestic wiring and circuit breakers.</li> </ul>	<p>On successful completion of the course, the students will be able to</p> <ul style="list-style-type: none"> <li>• Understand the symbols and working principles of electrical devices and circuits</li> <li>• Analyze electrical circuits (DC and AC) using mesh and network simplification theorems.</li> <li>• Differentiate between single-phase and three-phase AC and explain the working of AC circuits.</li> <li>• Explain the effects of shorts and opens in series and parallel circuits.</li> <li>• Understand domestic electrical wiring and the working of circuit breakers</li> </ul>	<b>Local, Regional &amp; National developmental needs</b>
3	BASIC INSTRUMENTATI ON	P641S	<ul style="list-style-type: none"> <li>• To develop knowledge of principles and working of various analog meters.</li> <li>• To understand the principle and working of analog electrical instruments.</li> <li>• To impart knowledge of principles and working of digital instruments.</li> <li>• To learn about the working principle of various optical instruments used in measurement of physical quantities.</li> </ul>	<p>On successful completion of the course, the students will be able to</p> <ul style="list-style-type: none"> <li>• Acquire knowledge about the working principles of various analog meter instruments.</li> <li>• Understand the operation of various analog electrical instruments.</li> <li>• Differentiate between digital and analog instruments and explain their working.</li> <li>• Outline the working principle of various optical instruments.</li> </ul>	<b>Local, Regional, National developmental needs</b>

			<ul style="list-style-type: none"> <li>To develop the skill of usage of environmental instruments.</li> </ul>	<ul style="list-style-type: none"> <li>Gain knowledge on the working and applications of various environmental instruments.</li> </ul>	
4	NON MAJOR ELECTIVE –I : REPAIR AND MAINTENANCE OF HOUSEHOLD APPLIANCES	NPH503	<ul style="list-style-type: none"> <li>To provide an understanding of the basics of electricity and electrical safety.</li> <li>To enable the students to understand the importance of earthing and energy storage devices.</li> <li>To expose the students to the principles and working of home appliances.</li> <li>To learn fault finding and replacing faulty component in electric iron.</li> <li>To train the students in Repaire and Maintenance of home appliances.</li> </ul>	<p>On successful completion of the course, the students will be able to</p> <ul style="list-style-type: none"> <li>Recall the safety precautions and apply them whenever it is necessary</li> <li>Understand the importance of earthing and acquire a knowledge on energy storage devices</li> <li>Identify the fault in an electric iron box and rectify it</li> <li>Explain the working of mixer, grinder, ceiling and table fans.</li> <li>Install and test fluorescent lamp chock and starter</li> </ul>	<b>Local, Regional &amp; National developmental needs</b>



Ready for  
Every Good Work

# SACRED HEART COLLEGE (AUTONOMOUS)

Tirupattur – 635 601, Tamil Nadu, S.India

Resi : (04179) 220103

College : (04179) 220553

Fax : (04179) 226423

---

A Don Bosco Institution of Higher Education, Founded in 1951 \* Affiliated to Thiruvalluvar University, Vellore \* Autonomous since 1987

Accredited by NAAC (4<sup>th</sup> Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

---

**Name of the Programme: M.Sc Physics**

S No	Title Of The Paper	Course Code	Course Objectives	Course Outcomes	Relevance
1	Electronics Experiments	PP810	<ul style="list-style-type: none"> <li>• To familiarize students with various Electronic devices and their specifications.</li> <li>• To observe characteristics of electronic devices</li> <li>• To understand the design aspects of oscillator circuits</li> <li>• To familiarize the students with devices and circuit principles with special focus on applications related to instrumentations and measurements.</li> <li>• Develop skill for Design and Testing of different types of Electronic subsystems using Analog and Digital IC's.</li> </ul>	<ul style="list-style-type: none"> <li>• Elucidate the basic operation of various power semiconductor devices.</li> <li>• Describe and analyze the characteristics of different electronic devices.</li> <li>• Measure voltage, frequency and phase of any waveform using CRO.</li> <li>• Design and implement various digital circuits.</li> <li>• Develop ability to diagnose faults and their rectification.</li> </ul>	local, developmental needs
2	Elective: Biophysics	P823C	<ul style="list-style-type: none"> <li>• To explore the fundamental background of physics behind the cellular and molecular structure and its dynamics.</li> <li>• To provide an insight knowledge about the application of light and bio compatible nonmaterial in the field of bio physics.</li> <li>• To know about the applications of bio sensors.</li> <li>• To make the students to understand the application of light and non-ionizing radiation effect on biological system</li> <li>• To make the students to know about the physiochemical techniques used for the detection and treatment of various diseases.</li> </ul>	<ul style="list-style-type: none"> <li>• Explain physics behind the dynamics, molecular structure of proteins, amino acids and conduction system.</li> <li>• Acquire the knowledge on various types of proteins, enzymes and its function in the bio metabolic activities.</li> <li>• Acquire the knowledge of application of bio Nano sensors in diagnosing.</li> <li>• Distinguish the effect of light, ionizing and non-ionizing radiation in the biological system</li> <li>• Differentiate the physical and chemical approach of diagnosing and application of such techniques.</li> </ul>	Local developmental needs

3	Self-Study Paper: Ultrasonics And Its Applications		<ul style="list-style-type: none"> <li>• To impart the fundamental concepts of ultrasonic waves and their sources</li> <li>• To enable the students to understand the various instruments on generation ultrasonics waves and their applications.</li> <li>• to make the students to understand the influence of ultrasonic waves on molecular interactions studies in liquid systems</li> <li>• To learn the non-destructive testing and its importance in the industrial sectors.</li> <li>• To make them understand the medical applications of ultrasounds.</li> </ul>	<ul style="list-style-type: none"> <li>• acquire fundament knowledge of ultrasonic waves and the sources of ultrasound.</li> <li>• Learn and understand different ultrasonic instrumentations and general applications in the field of industries and measurements.</li> <li>• Gain the knowledge of ultrasonic waves in finding molecular interactions in multi-component liquid mixtures.</li> <li>• recognize different types of ultrasonic non-destructive testing and their industrial applications.</li> <li>• Grasp the idea about clinical importance of ultrasound in Ophthalmology, obstetrics and gynecology, cardiovascular, biopsy and tissue related treatments.</li> </ul>	Local developmental needs
4	Self-Study Paper: Crystal Growth Techniques		<ul style="list-style-type: none"> <li>• To Understand the fundamentals of crystal growth and nucleation</li> <li>• To Analyze the low temperature method of crystal growth</li> <li>• To study fundamentals and advantages of temperature gradient/SR method</li> <li>• To acquire a qualitative idea on the Gel method for growing crystals</li> <li>• To Understand the melt growth technique of crystal growing</li> </ul>	<ul style="list-style-type: none"> <li>• Acquire a qualitative idea on various parameters considered for growing crystals</li> <li>• Apply and understand laboratory technique of growing crystal from solution</li> <li>• Design the experimental setup for SR method and to grow technologically important crystals</li> <li>• Illustrate the mechanism of gel growth and its advantages.</li> <li>• Understand different techniques of crystal growth from melt</li> </ul>	Local developmental needs
5	Self-Study Paper: Electrical Appliances		<ul style="list-style-type: none"> <li>• To impart knowledge of basic electrical/electronic components</li> <li>• To understand the electrical components in our household applications</li> <li>• To apply the series and parallel electrical connections in the household appliances</li> <li>• To understand the principle and design of</li> </ul>	<ul style="list-style-type: none"> <li>• Identify the different electrical/electronic components for house hold applications</li> <li>• Realize the electrical wiring for household electrical connections.</li> <li>• Explain the construction and working mechanism of some household electrical appliances.</li> </ul>	Local developmental needs



			<p>electric iron household appliances in our day to day life.</p> <ul style="list-style-type: none"> <li>To understand the fundamentals and working of consumer electronics appliances.</li> </ul>	<ul style="list-style-type: none"> <li>Infer the knowledge, principle and working mechanism of house hold electrical appliances</li> <li>To explain the principle and working mechanism of electrical appliances</li> </ul>	
6	Electronic Instrumentation Techniques	P1015	<ul style="list-style-type: none"> <li>To expose the students to the principles and working of Transducers</li> <li>To make the students to understand the digital instrumentation used in measurement of various physical quantities.</li> <li>To make the students to understand the working of electrical and magnetic measurement instruments and to provide basic knowledge about the working of Compositional analysis instruments and Bio-medical instruments.</li> <li>To impart the knowledge on analytical instrumentation for the identification of various elements.</li> <li>To make the students on the application of various instrumentation used for the measurement of potentials developed by the body cells including ECG, EMG etc</li> </ul>	<ul style="list-style-type: none"> <li>Understand the principles and working of Transducers and Analog and Digital Instruments used in measurement of various physical quantities.</li> <li>Distinguish the analog and digital instrumentation and its working principle.</li> <li>Apply the knowledge of electrical and magnetic property of the material in the measurement of conductivity</li> <li>Understand the difference in the approach of absorption and emission property of radiation in detecting the elements of the surface and also the emission of electrons.</li> <li>Acquire the knowledge of blood pressure, potentials produced by the cells of various organs including heart, muscle, brain and its measurement.</li> </ul>	Local developmental needs
7	Modern Physics Practicals	PP1009	<ul style="list-style-type: none"> <li>To relate theoretical concepts to real world applications and experiments.</li> <li>To familiarize the students with optics, sound, magnetic and electric laboratory experiments and procedures.</li> </ul>	<ul style="list-style-type: none"> <li>Explain the theoretical concepts and working principle of the experiments.</li> <li>Organize the experiments and observe the reliable data.</li> <li>Analyze the observed data and calculate the value of a physical quantity without error.</li> </ul>	Local developmental needs

			<ul style="list-style-type: none"><li>• To observe reliable data and record the observations.</li><li>• To organize the measurements, estimate errors and write the laboratory record.</li><li>• To develop an understanding of basic concepts and hands on training of advanced experiments.</li></ul>	<ul style="list-style-type: none"><li>• Measure the velocity of ultrasonic waves in different liquid medium.</li><li>• Apply physics concepts and ideas from lab to real time problems.</li></ul>	
--	--	--	---	---	--



Ready for  
Every Good Work

# SACRED HEART COLLEGE (AUTONOMOUS)

Tirupattur – 635 601, Tamil Nadu, S.India

Resi : (04179) 220103

College : (04179) 220553

Fax : (04179) 226423

A Don Bosco Institution of Higher Education, Founded in 1951 \* Affiliated to Thiruvalluvar University, Vellore \* Autonomous since 1987

Accredited by NAAC (4<sup>th</sup> Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

## Name of the Programme: B Sc. Chemistry

S No	Title of the Paper	Course Code	Course Objectives	Course Outcomes	Relevance
1	ORGANIC CHEMISTRY – I	CH116	<ul style="list-style-type: none"><li>Understanding the fundamentals of acidity and basicity.</li><li>Understanding the structure of organic compounds.</li><li>Fathom the acidity and basicity of organic molecules.</li><li>Provide the rudimentaries of stereochemistry.</li><li>Conceptualize the correlation between structure, acidity and reactivity.</li><li>Discern the reactivity of alkenes and alkynes.</li></ul>	<ul style="list-style-type: none"><li>On successful completion of this Course, students will be able to</li><li>Network structure, hybridization, acidity, basicity and reactivity of organic molecules, identify the molecular structure.</li><li>Categorize molecules on the basis of hybridization; predict the acidity and basicity of the molecules based on functional groups; predict products for organic reactions.</li><li>Represent molecules dimensionally; infer the reactivity of molecules from their hybridization; Chart out the mechanism for organic reactions.</li><li>Distinguish the stereochemistry of molecules; rationalize the reactivities of alkenes and alkynes.</li></ul>	Local developmental needs

				<ul style="list-style-type: none"> <li>• Evaluate and hypothesize the stability of molecular intermediates and alicyclic molecules.</li> <li>• Collaboratively assess the reactivity of molecules based on structure, stereochemistry, hybridization, acidity and basicity; Build on understanding the reactivity and mechanism of molecules and reagents.</li> </ul>	
2	ALLIED CHEMISTRY - I (BIOCHEMISTRY)	ACH110	<ul style="list-style-type: none"> <li>• To understand the basics of solution chemistry</li> <li>• To categorize the organic compounds based on aromaticity, hybridization, bonding</li> <li>• To integrate the concept of organic molecules chemistry in biological systems</li> <li>• To tabulate acidity and basicity concepts based on various theories</li> <li>• To reflect chemical kinetics concept through biological systems</li> <li>• To build relationship between the drug actions with chemical structure</li> </ul>	<ul style="list-style-type: none"> <li>• On successful completion of this Course, students will be able to</li> <li>• Understand the basics of solution chemistry and knowledge of preparing solutions with different concentrations</li> <li>• Categorise the organic compounds based on aromaticity, hybridization, types of bonding</li> <li>• Integrate the concept of buffer solution in chemistry with biological systems</li> <li>• Tabulate acidity and basicity concepts based on various acid-base theories</li> <li>• Reflect the concept of chemical kinetics in biological systems</li> <li>• Develop relationship and synthetic methodology of drugs such as anesthetics and antibiotics and establish the mode of action with biological systems.</li> </ul>	Local developmental needs

3	INORGANIC CHEMISTRY – I	CH216	<ul style="list-style-type: none"> <li>• To understand the basic atomic structure of elements their periodic properties and chemical bonding.</li> <li>• To evaluate the nature of bonding by applying various fundamental theories.</li> <li>• To learn the properties and applications of s and p block elements.</li> <li>• To compare and contrast the relationship between groups.</li> <li>• To understand the principles and theories of Acids and Bases.</li> <li>• To apply fundamental theories of acids and bases and identify the progress of the chemical reaction.</li> </ul>	<ul style="list-style-type: none"> <li>• On successful completion of this Course, students will be able to</li> <li>• Understand the behaviour and properties of the elements in the periodic table and comprehend them</li> <li>• Comprehend the fundamentals of electronic configuration, oxidation states, and specific properties of the major group elements.</li> <li>• Compare and contrast the properties of acids and bases and justify their applications</li> <li>• Predict atomic structure, chemical bonding, Hybridization, and molecular geometry.</li> <li>• Analyze and understand the diagonal relationship between alkali and alkaline earth metals their properties and applications.</li> <li>• Evaluate the properties of elements based on their atomic structure, bonding nature, etc., and relate the uses and significance of the s and p block elements.</li> <li>• Devise and validate acid and base using the metal oxides and predict the feasibility of the reaction</li> </ul>	Local developmental needs
4	CHEMISTRY IN EVERY DAY LIFE	NCH604	<ul style="list-style-type: none"> <li>• To appreciate the importance of chemistry in day-to-day appliances</li> <li>• To understand the role of chemicals involved in</li> </ul>	<ul style="list-style-type: none"> <li>• List the different types of soil and classify the fertilizers</li> <li>• Recognize the different household chemicals used and analyse their adverse effects</li> </ul>	Local developmental needs

			different substances, their uses and precautions to be taken.	<ul style="list-style-type: none"><li>• Tabulate the variety of glasses and ceramics available and apply them for specific purpose intended</li><li>• Identify the various types of adulterants present in food and demonstrate to identify them</li><li>• Evaluate the chemicals used in various cosmetic items and compare them</li><li>• Identify the components present in different plastics and hypothesize its uses</li></ul>	
--	--	--	---	--	--



Ready for  
Every Good Work

# SACRED HEART COLLEGE (AUTONOMOUS)

Tirupattur – 635 601, Tamil Nadu, S.India

Resi : (04179) 220103

College : (04179) 220553

Fax : (04179) 226423

A Don Bosco Institution of Higher Education, Founded in 1951 \* Affiliated to Thiruvalluvar University, Vellore \* Autonomous since 1987

Accredited by NAAC (4<sup>th</sup> Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

## Name of the Programme: M Sc. Chemistry

S No	Title of the Paper	Course Code	Course Objectives	Course Outcomes	Relevance
1	INORGANIC CHEMISTRY – III	CH919	<ul style="list-style-type: none"><li>To study about the basic theory of Inorganic spectroscopy.</li><li>To illustrate the UV, IR and Raman spectral properties of some inorganic compounds and complexes.</li><li>To study and illustrate the different types of magnetic behaviour in inorganic materials.</li><li>To learn the basic concepts of superconductivity behaviour in the materials</li><li>To apply the NMR, NQR, ESR and Mossbauer techniques in to simple inorganic systems.</li><li>To learn the instrumentation of advance inorganic</li></ul>	<ul style="list-style-type: none"><li>Students can recognize and interpret the spectroscopic techniques in terms of interaction of electromagnetic radiation with molecules</li><li>Students can infer about the magnetic properties and superconductivity of materials and can able to calculate the magnetic susceptibility of the materials.</li><li>Students can describe the principles and to interpret the instrumentation of various spectroscopic techniques.</li><li>Students can illustrate the principle involved in ESR, NQR and Mossbauer Spectroscopy and distinguish chemical species using these spectroscopy</li><li>Students can apply the principles of spectroscopy to predict the structure of compounds and analyse the various spectra of complexes</li><li>Students can able to propose and</li></ul>	local, regional ,national and global developmental needs

			spectroscopy techniques.	formulate the structure of a new compound based on the spectroscopic data	
2	PHYSICAL CHEMISTRY PRACTICAL- II	PCH1015	<ul style="list-style-type: none"> <li>To understand the principles that govern the basic electrochemical experiments</li> <li>To learn the physical methods used in determination of parameters such as pH, conductance and EMF etc.</li> </ul>	<ul style="list-style-type: none"> <li>Learn and apply the principles of conductometry and potentiometry effectively for various titrations</li> <li>Explain the conductometric titration of strong acid, weak acid and mixture of acids with strong Base.</li> <li>Determine the equivalent conductance of strong electrolytes at infinite dilution and dissociation constant of weak electrolyte</li> <li>Calculate the pH of a buffer solution using emf measurements</li> <li>Prepare a salt bridge for potentiometric experiments.</li> <li>Verify the various laws like Ostwald's dilution law and Kohlrausch's law conductometrically and design working electrodes</li> </ul>	local, regional ,national and global developmental needs





Ready for  
Every Good Work

# SACRED HEART COLLEGE (AUTONOMOUS)

Tirupattur – 635 601, Tamil Nadu, S.India

Resi : (04179) 220103

College : (04179) 220553

Fax : (04179) 226423

A Don Bosco Institution of Higher Education, Founded in 1951 \* Affiliated to Thiruvalluvar University, Vellore \* Autonomous since 1987

Accredited by NAAC (4<sup>th</sup> Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

## Name of the Programme: B. Sc. Computer Science

S No	Title of the Paper	Course Code	Course Objectives	Course Outcomes	Relevance
1	PROBLEM SOLVING TECHNIQUES	CS120	<ul style="list-style-type: none"><li>To develop problem solving skills with top-down design principles.</li><li>To become competent in algorithm design and program implementation.</li><li>To develop skills to apply appropriate standard methods in problem solving</li></ul>	<ul style="list-style-type: none"><li>Upon Completing the Course, Students will be able to:</li><li>Develop programming techniques required to solve a given problem.</li><li>Develop problem solving skill using top – down design principles.</li><li>Design an algorithm for a problem.</li><li>Develop techniques to handle array structure</li><li>Develop techniques such as searching and sorting</li></ul>	<b>Local</b>
2	DIGITAL COMPUTER FUNDAMENTALS	CS221	<ul style="list-style-type: none"><li>To explore the Number System, Number Conversion from one Base to another Base and Complements.</li><li>To understand the Logic Gates, Boolean Algebra and to design</li></ul>	<ul style="list-style-type: none"><li>Perform conversions among different number systems, to be familiar with basic logic gates,</li><li>Draw the Logic circuits and truth table for Boolean</li></ul>	<b>Local</b>

			<p>the Logical Circuits.</p> <ul style="list-style-type: none"> <li>To simplify the Boolean Functions using K-Map Method</li> <li>To Learn Combinational circuits as Adders and Subtractors, Encoders and Decoders.</li> <li>To Learn the different types of Flip-Flops such as SR Flip flop, JK Flip flop, T Flip flop and D Flip flop.</li> </ul>	<p>functions</p> <ul style="list-style-type: none"> <li>Simplify Boolean functions by using k-map method and Boolean Laws and Theorems.</li> <li>Design of combinational circuits such as Adder, Subtractor, Multiplexer, Encoder and Decoder etc.</li> <li>Understand the design of sequential Circuits such as Flip-Flops, Edge-trigger and master slave flip flops.</li> </ul>	
3	COMPUTER ORGANIZATION AND ARCHITECTURE	CS322	<ul style="list-style-type: none"> <li>To understand the basics of Computer Organization.</li> <li>To know the relationship between computer instruction and the Machine code execution.</li> <li>To know about the various types of CPU Organization and Addressing Modes.</li> <li>To recognize the need of interface between CPU and Input / Output devices.</li> <li>To think critically, independently, and quantitatively about Computer Memory.</li> </ul>	<ul style="list-style-type: none"> <li>Study basic computer organization, design and micro-operations.</li> <li>Prepare machine code from the instructions</li> <li>Understand CPU organization and different types of addressing modes.</li> <li>Understand how the Input/ Output devices communicate with the computer</li> <li>Learn various methods and techniques of memory organization.</li> </ul>	<b>Local</b>
4	COMPUTER GRAPHICS	CS544 A	<ul style="list-style-type: none"> <li>Understand the Role and importance of Algorithms like Line drawing Algorithm, Circle drawing Algorithm, Character generating Algorithm.</li> <li>Understand 2D and 3D Transformations.</li> <li>Understand various Clipping</li> </ul>	<ul style="list-style-type: none"> <li>To provide comprehensive introduction about computer graphics system, design and two-dimensional transformations.</li> <li>To make the students familiar with techniques of clipping, three dimensional graphics</li> </ul>	<b>Local</b>

			<p>Algorithms like point clipping, line clipping and polygon clipping.</p> <ul style="list-style-type: none"> <li>• Understand the importance of the User Dialogue and various input functions.</li> <li>• Understand the Visible Surface Detection Methods.</li> </ul>	<p>and three dimensional transformations.</p> <ul style="list-style-type: none"> <li>• Prepares the students for activities involving in design, development and testing of modeling, rendering, shading and animation</li> </ul>	
5	MOBILE APPLICATIONS DEVELOPMENT	CS633	<ul style="list-style-type: none"> <li>• To develop a mobile application.</li> <li>• To understand the concept of SQLite</li> </ul>	<p>Upon completion of this course, students should be able to:</p> <ul style="list-style-type: none"> <li>• Describe the platforms upon which the Android operating System will run.</li> <li>• Create a simple application that runs under the Android operating system.</li> <li>• Access and work with the Android file system.</li> <li>• Create an application that uses multimedia under the Android operating system.</li> <li>• Access and work with database under the Android operating system.</li> </ul>	<b>Local</b>
6	MICROPROCESSOR USING 8086/88	CS636	<ul style="list-style-type: none"> <li>• To Understand the basic architecture of the Microprocessor</li> <li>• To learn the instruction sets of the processor</li> <li>• To write applications using assembly level language program</li> <li>• To study the input/output interfaces of the processor</li> <li>• To understand the importance of interrupts in programming</li> </ul>	<p>At the end of the course, students should be able to:</p> <ul style="list-style-type: none"> <li>• Identify the types of instructions and the organization of registers and memory</li> <li>• Describe the translation model of assembly language to machine language.</li> <li>• Understand the micro-program by mapping the instructions.</li> <li>• Recognize the types of</li> </ul>	<b>Local</b>

				<p>computer organizations.</p> <ul style="list-style-type: none"> <li>• Accept the better ways of Parallel and Vector processing.</li> </ul>	
7	COMPUTER NETWORKS	CS637 A	<ul style="list-style-type: none"> <li>• To learn the basic concepts of Computer Networks</li> </ul>	<ul style="list-style-type: none"> <li>• To explain how communication works in computer networks and to understand the basic terminology of computer networks</li> <li>• To explain the role of protocols in networking and to analyze the services and features of the various layers in the protocol stack.</li> <li>• To understand design issues in Network Security and to understand security threats, security services and mechanisms to counter it.</li> </ul>	<b>Local</b>



Ready for  
Every Good Work

# SACRED HEART COLLEGE (AUTONOMOUS)

Tirupattur – 635 601, Tamil Nadu, S.India

Resi : (04179) 220103

College : (04179) 220553

Fax : (04179) 226423

A Don Bosco Institution of Higher Education, Founded in 1951 \* Affiliated to Thiruvalluvar University, Vellore \* Autonomous since 1987

Accredited by NAAC (4<sup>th</sup> Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

## Name of the Programme: M.Sc. Computer Science

S No	Title of the Paper	Course Code	Course Objectives	Course Outcomes	Relevance
1	TECHNICAL APTITUDE	MCS278S	<ul style="list-style-type: none"><li>To impart knowledge on various basic principles involved in Computer science.</li><li>To prepare the students for facing the technical interview questions</li><li>To prepare the students for the placement</li></ul>	<ul style="list-style-type: none"><li>On successful completion of this Course, students will be able to</li><li>Identify the important concepts and techniques in core subjects.</li><li>Discuss the principles involved computer science subjects.</li><li>Infer confident about the technical questions</li><li>Analyze their skills by attending the quiz.</li><li>Grade the students to build their career by studying the core concepts in Computer Subjects</li><li>Evaluate the students' technical knowledge based on the performance of their quiz.</li></ul>	local developmental needs

2	SOFTWARE PROJECT I & II	MCS476J	<ul style="list-style-type: none"> <li>• To examine fundamental XML technology</li> <li>• To understand the use of JSON</li> <li>• To gain an understanding about the role of web services in commercial applications</li> <li>• To learn the emerging standard protocols like SOAP, WSDL and UDDI.</li> <li>• To introduce the role of web services in CMS</li> </ul>	<ul style="list-style-type: none"> <li>• On completion of the course, students should be able to</li> <li>• CO1: Identifying the ability to work in one or more significant application domains</li> <li>• CO2: Understanding of software requirements and the SRS documents</li> <li>• CO3: Practice the role of professional ethics in successful software development</li> <li>• CO4: Analyze and apply information technology principles and practices to real-world solutions</li> <li>• CO5: Evaluate, the ability to develop, maintain an evaluate large scale software systems</li> <li>• CO6: Demonstrate an ability to use the techniques and tools</li> </ul>	local developmental needs
---	----------------------------	---------	--	--	---------------------------

3	SOFTWARE PROJECT I & II	MCS476J	<ul style="list-style-type: none"> <li>• To examine fundamental XML technology</li> <li>• To understand the use of JSON</li> <li>• To gain an understanding about the role of web services in commercial applications</li> <li>• To learn the emerging standard protocols like SOAP, WSDL and UDDI.</li> <li>• To introduce the role of web services in CMS</li> </ul>	<ul style="list-style-type: none"> <li>• On completion of the course, students should be able to</li> <li>• CO1: Identifying the ability to work in one or more significant application domains</li> <li>• CO2: Understanding of software requirements and the SRS documents</li> <li>• CO3: Practice the role of professional ethics in successful software development</li> <li>• CO4: Analyze and apply information technology principles and practices to real-world solutions</li> <li>• CO5: Evaluate, the ability to develop, maintain an evaluate large scale software systems</li> <li>• CO6: Demonstrate an ability to use the techniques and tools</li> </ul>	Local developmental needs
---	----------------------------	---------	--	--	---------------------------



*Ready for  
Every Good Work*

# **SACRED HEART COLLEGE (AUTONOMOUS)**

**Tirupattur – 635 601, Tamil Nadu, S.India**

**Resi : (04179) 220103**

**College : (04179) 220553**

**Fax : (04179) 226423**

---

A Don Bosco Institution of Higher Education, Founded in 1951 \* Affiliated to Thiruvalluvar University, Vellore \* Autonomous since 1987

Accredited by NAAC (4<sup>th</sup> Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

---

**Name of the Programme: MSW**



S No	Title of the Paper	Course Code	Course Objectives	Course Outcomes	Relevance
1	RESEARCH PROJECT –II	MSW418J	<ul style="list-style-type: none"> <li>To gain knowledge in designing and implementing a research methodology.</li> <li>Gain skills in applying research software to process and analyze the data.</li> <li>Acquire skills to interpret data and derive results and discussions</li> <li>Understand the process of preparing a research project.</li> <li>Acquire the skills of undertaking a research project</li> </ul>	<ul style="list-style-type: none"> <li>Gain knowledge in designing and implementing a research methodology.</li> <li>Gain skills in applying research software to process and analyze the data.</li> <li>Acquire skills to interpret data and derive results and discussions</li> <li>Understand the process of preparing a research project.</li> <li>Acquire the skills of undertaking a research project</li> </ul>	Local Developmental Needs
2	SOCIAL WORK WITH FAMILIES AND CHILDREN (Main Elective-3)	MSW414C	<ul style="list-style-type: none"> <li>To gain knowledge on functions, interaction and issues concerning adults and children in Indian families</li> <li>Gain knowledge and skills in family intervention</li> <li>Understand the needs of the children and programmes for children</li> </ul>	<ul style="list-style-type: none"> <li>Gain knowledge on functions, interaction and issues concerning adults and children in Indian families</li> <li>Gain knowledge and skills in family intervention</li> <li>Understand the needs of the children and programmes for children</li> </ul>	Local Developmental Needs



Ready for  
Every Good Work

# SACRED HEART COLLEGE (AUTONOMOUS)

Tirupattur – 635 601, Tamil Nadu, S.India

Resi : (04179) 220103

College : (04179) 220553

Fax : (04179) 226423

A Don Bosco Institution of Higher Education, Founded in 1951 \* Affiliated to Thiruvalluvar University, Vellore \* Autonomous since 1987

Accredited by NAAC (4<sup>th</sup> Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

## Name of the Programme: BBA

S No	Title of the Paper	Course Code	Course Objectives	Course Outcomes	Relevance
1	ELECTIVE - I: PAPER - I: CONSUMER BEHAVIOUR	B522A	<ul style="list-style-type: none"> <li>To impart to the students an understanding the importance of consumer behaviour in marketing, its models and influence</li> </ul> <p>To understand the models of consumer behavior</p>	<ul style="list-style-type: none"> <li>Relate the Knowledge of Consumer Behaviour</li> <li>Examine the Psychological influences of consumer behavior</li> <li>Determine &amp; Interpret the Socio Cultural influences of consumer behavior</li> <li>Rephrase the Purchase Decision Behaviour</li> <li>Determine and Defend the Online Decisions</li> </ul> <p>Originate the consumer behavior models</p>	<b>Local needs</b>
2	ELECTIVE – I: PAPER II: RETAIL MANAGEMENT	B522B	<ul style="list-style-type: none"> <li>To impart to the students an understanding the importance of Retail management in the existing marketing field.</li> </ul> <p>Know various forms of retailing business techniques in India.</p>	<ul style="list-style-type: none"> <li>To impart to the students an understanding the importance of Retail management in the existing marketing field.</li> <li>Know various forms of retailing business techniques in India.</li> </ul>	<b>Local needs</b>

3	NON MAJOR ELECTIVE: PAPER - II: ORGANIZATIONAL BEHAVIOUR	NBB604	<ul style="list-style-type: none"> <li>To establish knowledge in the areas of Personality, Perception and attitudes.</li> </ul>	<ul style="list-style-type: none"> <li>To identify and choose the fundamental concepts of Organization Behaviour</li> <li>Construct and decide the Perception and Attitude of Human Behaviour</li> <li>To relate and compare groups and construct their development by motivation and power</li> <li>Discover and create effective leaders to manage the stress</li> <li>Recall and learn the fundamentals of organization and climate</li> <li>After the completion of this course the student shall be able to determine the nature, scope, importance of Organizational Behaviour</li> </ul>	<b>local, regional ,national and global developmental needs</b>
---	---	--------	---	---	---



Ready for  
Every Good Work

# SACRED HEART COLLEGE (AUTONOMOUS)

Tirupattur – 635 601, Tamil Nadu, S.India

Resi : (04179) 220103

College : (04179) 220553

Fax : (04179) 226423

A Don Bosco Institution of Higher Education, Founded in 1951 \* Affiliated to Thiruvalluvar University, Vellore \* Autonomous since 1987

Accredited by NAAC (4<sup>th</sup> Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

## Name of the Programme: MBA

S No	Title of the Paper	Course Code	Course Objectives	Course Outcomes	Relevance
1	ORGANIZATIONAL BEHAVIOUR & MANAGEMENT PROCESS	MBA130T	<ul style="list-style-type: none"><li>To enable students to understand specific theories related to organizational behaviour and principles of management.</li><li>To evaluate methods of motivating and rewarding individuals and groups and integrate individual, group and management level concepts.</li></ul>	<ul style="list-style-type: none"><li>Students are expected to develop the ability to understand managerial / organizational situations.</li><li>They will know the framework for managing individual and group performance.</li></ul>	local
2	TOTAL QUALITY MANAGEMENT	MBA132T	<ul style="list-style-type: none"><li>To develop an understanding on product quality characteristics and service quality characteristics.</li><li>To learn the key steps in the quality control.</li></ul>	<ul style="list-style-type: none"><li>Quality management philosophies and tools to facilitate continuous improvement and ensure customer delight are learnt by students.</li></ul>	local

				<ul style="list-style-type: none"> <li>Makes the students understand the quality management process in today's dynamic corporate world.</li> </ul>	
3	ADVANCED BUSINESS STATISTICS FOR MANAGEMENT	MBA134T	<ul style="list-style-type: none"> <li>To impart the knowledge to analyze the data using statistical techniques, such as hypothesis testing and regression estimation</li> </ul>	<ul style="list-style-type: none"> <li>To facilitate objective solutions in business decision making under subjective conditions.</li> </ul>	local
4	ENGLISH FOR EXECUTIVE COMMUNICATION	MBA136P	<ul style="list-style-type: none"> <li>The objective of this paper is to introduce to the students to the basics of English.</li> <li>To enable learners to write in English precisely and effectively.</li> </ul>	<ul style="list-style-type: none"> <li>The course will help the students to learn from the fundamentals of English.</li> <li>Helps them to learn higher level communication in the language.</li> </ul>	Local
5	BUSINESS APPLICATION SOFTWARE	MBA137X	<ul style="list-style-type: none"> <li>To Understand the Applications of Word, Excel and Power Point</li> </ul>	Enhancement in the usage level of office tools	Local
6	MARKETING MANAGEMENT	MBA231T	<ul style="list-style-type: none"> <li>To facilitate understanding of the conceptual framework of marketing and its applications in decision making under various environmental constraints.</li> <li>The course aims at making students understand concepts, philosophies, processes and techniques of managing the marketing operations of a firm.</li> </ul>	<ul style="list-style-type: none"> <li>Students will learn to analyze markets and design customer driven strategies.</li> <li>By reading text and relating the concepts through cases the student will understand the concepts of marketing management.</li> </ul>	local





Ready for  
Every Good Work

# SACRED HEART COLLEGE (AUTONOMOUS)

Tirupattur – 635 601, Tamil Nadu, S.India

Resi : (04179) 220103

College : (04179) 220553

Fax : (04179) 226423

A Don Bosco Institution of Higher Education, Founded in 1951 \* Affiliated to Thiruvalluvar University, Vellore \* Autonomous since 1987

Accredited by NAAC (4<sup>th</sup> Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

## Name of the Program : BA Tamil

S No	Title of the Paper	Course Code	Course Objectives	Course Outcomes	Relevance
1	விருப்பப்பாடம் 1: நாட்டுப்புறவியல்	TA505	நாட்டுப்புறவியலின் வரலாற்றை அறிமுகப்படுத்துதல் - அதன் வகைமைகளை அறிமுகப்படுத்துதல்.	நாட்டுப்புறவியலை அறிமுகப்படுத்திக் கொள்ளுவதன் வாயிலாகச் சமகால நாட்டார் பண்பாட்டை அறிதல்.	Local



Ready for  
Every Good Work

# SACRED HEART COLLEGE (AUTONOMOUS)

Tirupattur – 635 601, Tamil Nadu, S.India

Resi : (04179) 220103

College : (04179) 220553

Fax : (04179) 226423

A Don Bosco Institution of Higher Education, Founded in 1951 \* Affiliated to Thiruvalluvar University, Vellore \* Autonomous since 1987

Accredited by NAAC (4<sup>th</sup> Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

**NAME OF THE PROGRAMME: M.A TAMIL**



S No	Title of the Paper	Course Code	Course Objectives	Course Outcomes	Relevance
1	கவிதை, சிறுகதை	TA720	<p>கவிதை, சிறுகதை ஆகிய இலக்கிய வகைமைகளின் வரலாற்று அறிவைப் பெறுதல்.</p> <p>நூறு ஆண்டுகாலத்தில் தமிழகப் புதுக்கவிதைகளில் ஏற்பட்டுள்ள வளர்ச்சி, கருத்தியல் வளர்ச்சி ஆகிய அறிவையும் கவிதைகளை எழுதும் மற்றும் வாசிக்கும் அறிவையும் திறனையும் பெறுதல். மேலும் மொழி, நிலம், பண்பாடு, சார்ந்து சிறுகதைகளை ஒப்பிட்டுப் பார்க்கும் ஒப்பீட்டு அறிவையும் பெறுதல்.</p>	<p>தமிழ்ச் சிறுகதைகளின் தன்மைசார் அறிவையும் வாசிப்பு அறிவையும் வாசிப்புத் திறனையும் பெறுதல். மேலும் மொழி, நிலம், பண்பாடு, பாலினம் சார்ந்து சிறுகதைகளை ஒப்பிட்டுப் பார்க்கும் ஒப்பீட்டு அறிவையும் பெறுதல். சிறுகதைகளை எழுதும் மற்றும் வாசிக்கும் அறிவையும் திறனையும் பெறுதல்</p> <p>இந்திய மற்றும் உலகச் சிறுகதைகளின் தன்மைசார் அறிவையும் வாசிப்பு அறிவையும் வாசிப்புத் திறனையும் பெறுதல். மேலும் மொழி, நிலம், பண்பாடு, பாலினம் சார்ந்து சிறுகதைகளை ஒப்பிட்டுப் பார்க்கும் ஒப்பீட்டு அறிவையும் பெறுதல். சிறுகதைகளை எழுதும் மற்றும் வாசிக்கும் அறிவையும் திறனையும் பெறுதல்.</p> <p>கவிதை, சிறுகதைகளைத் திறனாய்வு செய்யும் அறிவினையும் வாசிப்புத்</p>	Local/global

				<p>திறனையும் பெறுதல். இலக்கியத்திற்குள் செயல்படும் மொழி, உளவியல் முதலான பல்வேறு கோட்பாட்டு அறிவினைக் கொண்டு இலக்கியத்தை அணுகும் முறை குறித்தும்</p>	
2	காப்பியங்கள்	TA820	<p>தமிழ் மொழியில் உள்ள காப்பியங்கள் குறித்தும் அவற்றின் உறவுகள் குறித்தும் அறிந்துகொள்வது. அவற்றின் வழியாக அக்கால மக்களின் சமூக அரசியல் பொருளாதார பின்புலம் முதலியன குறித்து அறிந்துகொள்வது.</p>	<p>தமிழின் காப்பிய இலக்கணம் குறித்து அறிந்துகொள்ளுதல் மற்றும் முதல் காப்பியமான சிலப்பதிகாரம் குறித்து அறிந்துகொள்வர். மணிமேகலை மற்றும் சீவகச்சிந்தாமணி காப்பிய அறிமுகம் மற்றும் சமண பௌத்த சமயங்கள் பற்றிய அறிந்துகொள்வர். நீலகேசி மற்றும் பெருங்கதை குறித்த சொய்திகளை அறிந்துகொள்வர். கம்பராமாயணம், வில்லிபாரதம் அறிமுகம் மற்றும் வைணவச் சமயம் குறித்த சொய்திகளை அறிந்துகொள்வர். இரட்சணிய யாத்திரிகம், தேம்பாவணி அறிமுகம் மற்றும் கிருத்துவ, இசுலாம் சமயங்கள் குறித்த சொய்திகளை அறிந்துகொள்வர்.</p>	Local/global

3	புதினம் & உரைநடை	TA821	<p>உரைநடை எழுதும் கலையினை அறிந்து கொள்வர் படைப்பிலக்கியத்தின் மீதான் ஆர்வத்தையும் வாசிப்பையும் வளர்த்துக் கொள்வர் தொடர் வாசிப்பின் மூலம் சமூகப் பிரச்சனைகளுக்குத் தீர்வு காணும் ஆற்றல் பெறுவர் அரசியல், சமூகம் சார்ந்த சமீப கால மாற்றங்களை புரிந்து கொள்வர்</p>	<p>உரைநடை எழுதும் கலையினை அறிந்து கொள்வர் படைப்பிலக்கியத்தின் மீதான் ஆர்வத்தையும் வாசிப்பையும் வளர்த்துக் கொள்வர் தொடர் வாசிப்பின் மூலம் சமூகப் பிரச்சனைகளுக்குத் தீர்வு காணும் ஆற்றல் பெறுவர் அரசியல், சமூகம் சார்ந்த சமீப கால மாற்றங்களை புரிந்து கொள்வர் புதினங்களின் வரலாறு குறித்தும், வளர்ச்சி குறித்தும் அறிந்து கொள்வர். புதினங்களை வடிவமைக்கும் திறனைப் பெறுவர். புதினம் சார்ந்த ஆய்வுகளை மேற்கொள்ளும் திறன் பெறுவர்.</p>	Local/global
4	இலக்கியக் கோட்பாடுகள்	TA822	<p>இலக்கியக் கோட்பாடு - இலக்கியத் திறனாய்வு - இலக்கிய வரலாறு - இலக்கியம் ஆகியவற்றின் தனித்தன்மைகளையும் உறவுநிலைகளையும் குறித்த அறிவைப் பெறுதல் மொழியியல், ஒப்பியல், சமூகவியல், பெண்ணியியல், தலித்தியல் ஆகிய திறனாய்வு முறைகளின் அறிவைப் பெறுதல்</p>	<p>உளப்பகுப்பாய்வியல், தொன்மவியல், அமைப்பியல், பின் அமைப்பியல் ஆகிய திறனாய்வு முறைகளின் அறிவைப் பெறுதல் பின் நவீனத்துவம், பின் காலனித்துவம், எடுத்துரைப்பியல், புலம்பெயர் இலக்கியத் திறனாய்வு, சூழலியல் ஆகிய திறனாய்வு முறைகளின் அறிவைப் பெறுதல் ஆய்வு மாதிரிகள் குறித்த</p>	Local/global

				அறிவையும் பெறுதல்	பயிற்சியும்	
5	பக்தியிலக்கியங் களும் மெய்யியல் மரபும்;	TA1020	பக்தியிலக்கியங்களின் வழி மொழித்துறை மாணவர்களுக்குப் பிற சமய அறிவு தேவை என்பதை அறிந்து கொள்வர். உலகமயமாக்கச் சூழலில் பக்தியிலக்கியத்தின் அறச்செய்திகளின் முதன்மை குறித்து அறிய மொழியறிவு அடிப்படைத் தேவை என்பதை அறிந்து கொள்வா; மெய்யியல்மரபின் வாயிலாக பல்வேறு சமயங்களின் அடிப்படைக் கட்டமைப்பினை அறிந்து கொள்வா;	பக்தியிலக்கியத்தின் முழுமையைப் புhpந்து கொள்வதன் நிரைவாக பேச்சாளர் என்ற தன்னம்பிக்கையினைப் பெறுவர். சமயம்சார்ந்த புத்தகங்கள் எழுதுவதற்கும் ஆராய்ச்சிக் கட்டுரைகள் நெறிப்படுத்துவதற்கும் கருத்தரங்கம் நடத்துவதற்குமான உந்துதலைப் பெறுவர். சமயநெறிமுறைக் கொள்கைகளை விளங்கிக் கொள்வர். சமய நெறிமுறையின் நுட்பங்களை உணர்ந்துகொண்டு சிறந்த ஆராய்ச்சியினைச் செய்கின்ற திறன்களைப் பெற்றிருப்பர்.	Local/global	



Ready for  
Every Good Work

# SACRED HEART COLLEGE (AUTONOMOUS)

Tirupattur – 635 601, Tamil Nadu, S.India

Resi : (04179) 220103

College : (04179) 220553

Fax : (04179) 226423

A Don Bosco Institution of Higher Education, Founded in 1951 \* Affiliated to Thiruvalluvar University, Vellore \* Autonomous since 1987

Accredited by NAAC (4<sup>th</sup> Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

## Name of the Programme: B.Sc Biochemistry

S No	Title of the Paper	Course Code	Course Objectives	Course Outcomes	Relevance
1	MEDICAL LABORATORY TECHNOLOGY	BC520B	<ul style="list-style-type: none"><li>To give knowledge about laboratory practices, drugs and cancer chemotherapy.</li></ul>	<ul style="list-style-type: none"><li>The student will be able to Perform routine clinical laboratory procedures within acceptable quality control parameters in Hematology, Chemistry, Immunohematology, and Microbiology under the general supervision of a Clinical Laboratory Scientist or Pathologist. Demonstrate technical skills, social behavior, and professional awareness incumbent upon a laboratory technician as defined by the American Society for Clinical Laboratory Science and the American Society of Clinical Pathologists.</li></ul>	<b>Local developmental needs</b>

2	SSP-I: HEALTH MANAGEMENT	BC522SP1	<ul style="list-style-type: none"> <li>To gain knowledge about first aid, basic health issues and handling emergencies.</li> </ul>	<ul style="list-style-type: none"> <li>This course will provide the basic information about safe guards to health, first aid for accidents, handling emergencies of general and specific disease. This course will also give awareness about symptoms and giving first aid during common health issues before meeting the physician.</li> </ul>	<b>Local developmental needs</b>
3	SS2: BIOETHICS	BC617	<ul style="list-style-type: none"> <li>To understand the ethical aspects in Biology and Bio Containment.</li> </ul>	<ul style="list-style-type: none"> <li>This self-study paper makes the student to acquire sound knowledge about different types of nutrients and its composition. Based on the symptoms of the disease in the early stage one can cure the disease through diet therapy. This student can chart out a recommended diet for particular disease. By strictly following the diet one can get rid of the discomfort.</li> </ul>	<b>Local developmental needs</b>
4	SSP-II: NUTRITIONAL BIOCHEMISTRY	BC619SP1	<ul style="list-style-type: none"> <li>To know about importance of Nutrition and associated health risks.</li> </ul>	<ul style="list-style-type: none"> <li>This self-study paper makes the student to acquire sound knowledge about different types of nutrients and its composition. Based on the symptoms of the disease in the early stage one can cure the disease through diet therapy. This student can chart out a recommended diet for particular disease. By strictly following the diet one can get rid of the discomfort.</li> </ul>	<b>Local developmental needs</b>

5	HEALTH CARE AND DISEASE MANAGEMENT	NBC603	<ul style="list-style-type: none"><li>To give awareness about first aid, basic health issues, handling emergencies.</li></ul>	<ul style="list-style-type: none"><li>A student draws complete knowledge of health management at the end of this course. Based on an individual's requirement a complete diet schedule can be framed by the student.</li></ul>	<b>Local developmental needs</b>
---	------------------------------------	--------	---	--	----------------------------------



Ready for  
Every Good Work

# SACRED HEART COLLEGE (AUTONOMOUS)

Tirupattur – 635 601, Tamil Nadu, S.India

Resi : (04179) 220103

College : (04179) 220553

Fax : (04179) 226423

A Don Bosco Institution of Higher Education, Founded in 1951 \* Affiliated to Thiruvalluvar University, Vellore \* Autonomous since 1987

Accredited by NAAC (4<sup>th</sup> Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

## Name of the Programme: M.Sc Biochemistry

S No	Title of the Paper	Course Code	Course Objectives	Course Outcomes	Relevance
1	ELECTIVE II - ENVIRONMENTAL TOXICOLOGY	BC812C	<ul style="list-style-type: none"><li>To gain knowledge on toxic substances and biochemical basis of toxicity.</li><li>To understand the sources and routes of the various toxic substances in the environment.</li><li>To learn about environmental impacts of pesticides and xenobiotics.</li><li>To study about the toxicity testing and their interpretations.</li><li>To understand the causes of organ toxicity.</li></ul>	<ul style="list-style-type: none"><li>Demonstrate the degradable and non-degradable toxic substances and action mechanism of toxicity.</li><li>Define the transport of toxins by air, water and food chain; explain the combined effect of xenobiotics.</li><li>Determine the environmental impacts of various pesticides and effect of xenobiotics on aquatic organisms.</li><li>Outline the legal, regulatory and ethical considerations relating to toxicity within the broader societal context.</li><li>Find the lethal concentration and lethal dose of toxic substances by toxicity testing.</li></ul>	<b>Local developmental needs</b>



				<ul style="list-style-type: none"> <li>• Compile the causes of hepatotoxicity, nephrotoxicity, pulmonary toxicity and neurotoxicity.</li> </ul>	
2	ELECTIVE III- ECOLOGY, EVOLUTION AND BIODIVERSITY	BC914A	<ul style="list-style-type: none"> <li>• To learn the fundamental principles of evolutionary theory to explore the evolution of biodiversity.</li> <li>• To make familiar with the major groups of organisms related to one another.</li> <li>• To learn the basic ecological theory and proposing solutions to the major environmental problems.</li> <li>• To understand the concepts of genetic variation, Mendelian genetics and recombination.</li> <li>• To gain the knowledge about aquatic biotic production and biodegradation in different ecosystems.</li> </ul>	<ul style="list-style-type: none"> <li>• Provide in-depth knowledge about emergency of evolutionary thoughts and Darwin concepts.</li> <li>• Review the origin of cell, unicellular evolution, Abiotic synthesis and prokaryotic evolution.</li> <li>• Analyze the population genetics with various types of selection like sexual selection, gene drift and gene flow.</li> <li>• Establish the ecological interaction between an organism and environment.</li> <li>• Manage the ecosystem dynamics, stability and complexity by knowing the N, P, C and S cycles.</li> <li>• Assess the various kinds of aquatic habitat in the eco-management process and biodegradation of different ecosystem.</li> </ul>	<b>Local developmental needs</b>

3	ELECTIVE III - FOOD BIOCHEMISTRY	BC914B	<ul style="list-style-type: none"> <li>• To learn the structure, composition, nutritional value, processing and storage of cereals.</li> <li>• To understand the importance, composition, classification, processing and toxic constituents of spices and pulses.</li> <li>• To know the classification of nuts and oils, fat and oils, milk and milk products; nutritive values and significance.</li> <li>• To understand the composition, classification, importance of vegetables and non-vegetable foods.</li> <li>• To learn about the sugar, sugar products, baking and beverages of food</li> </ul>	<ul style="list-style-type: none"> <li>• Identify the structure and composition, nutritional value, processing, storage and care of cereals.</li> <li>• Focus the importance, composition, classification of spices, composition, classification, nutritional value, processing and fermentations, toxic constituents of pulses.</li> <li>• Justify the nutritive value, importance and classification of nuts , oils, milk and milk products.</li> <li>• Integrate the selection, storage, uses and nutritional aspects of meat, fish and poultry.</li> <li>• Explain the composition, classification of egg products, storage of fruits and vegetables.</li> <li>• Determine the sugar products, baking products and processing of beverages.</li> </ul>	<b>Local developmental needs</b>
---	--	--------	---	--	----------------------------------



Ready for  
Every Good Work

# SACRED HEART COLLEGE (AUTONOMOUS)

Tirupattur – 635 601, Tamil Nadu, S.India

Resi : (04179) 220103

College : (04179) 220553

Fax : (04179) 226423

A Don Bosco Institution of Higher Education, Founded in 1951 \* Affiliated to Thiruvalluvar University, Vellore \* Autonomous since 1987

Accredited by NAAC (4<sup>th</sup> Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

## Name of the Programme: BCA

S No	Title of the Paper	Course Code	Course Objectives	Course Outcomes	Relevance
1	INTERNET CONCEPTS AND WEB DESIGN	CA108	<ul style="list-style-type: none"><li>To know the concept of basics of Internet.</li><li>To become knowledgeable in Fundamentals of Html</li><li>To ensure that the students have a basic understanding of creating Forms and Frames.</li><li>To understand the concept of Cascading Style Sheet.</li><li>To be aware of the method of Java Script.</li></ul>	<ul style="list-style-type: none"><li>Learn about the basic structure and use of an HTML element (content, attributes, etc.) K1</li><li>Understand the basics of data communication, networking, internet and their importance, and recognize the different internet devices and their functions K2</li><li>Apply the knowledge of HTML tags to design web pages. K3</li><li>Analyze the performance and functionalities of HTML tags, CSS and JavaScript k4</li><li>Evaluate the web contents using JavaScript k5</li><li>Develop web programs with effective design and perform client side</li></ul>	<b>Local Developmental Needs</b>

				validations. K6	
2	OFFICE AUTOMATION	CC110	<ul style="list-style-type: none"> <li>• To know the history of computers.</li> <li>• To understand the basic formatting features in word processor.</li> <li>• To have knowledge on functions of spreadsheet.</li> <li>• To understand the fundamental concepts of presentation.</li> <li>• To explore knowledge on sending receiving mails</li> </ul>		<b>Local Developmental Needs</b>
3	INTERNET CONCEPTS AND WEB DESIGN	CA110	<ul style="list-style-type: none"> <li>• To know the concept of basics of Internet.</li> <li>• To become knowledgeable in Fundamentals of Html</li> <li>• To ensure that the students have a basic understanding of creating Forms and Frames.</li> <li>• To understand the concept of Cascading Style Sheet.</li> <li>• To be aware of the method of Java Script.</li> </ul>		<b>Local Developmental Needs</b>



*Ready for  
Every Good Work*

# **SACRED HEART COLLEGE (AUTONOMOUS)**

**Tirupattur – 635 601, Tamil Nadu, S.India**

**Resi : (04179) 220103**

**College : (04179) 220553**

**Fax : (04179) 226423**

---

A Don Bosco Institution of Higher Education, Founded in 1951 \* Affiliated to Thiruvalluvar University, Vellore \* Autonomous since 1987

Accredited by NAAC (4<sup>th</sup> Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

---

**Name of the Programme: MCA**

S No	Title of the Paper	Course Code	Course Objectives	Course Outcomes	Relevance
1	SCRIPTING TECHNOLOGY	MCA161T	<ul style="list-style-type: none"> <li>To Learn the basic concepts in HTML, CSS, JavaScript, jQuery</li> <li>To Understand the responsive design and development</li> <li>To Design a Website with HTML, JS, CSS, jQuery</li> </ul>	<ul style="list-style-type: none"> <li>Learn and apply the basic HTML Tags.</li> <li>Build and design a web page with the help of basic web components.</li> <li>Classify, Choose and Build jQuery and JavaScript applications.</li> <li>Differentiate and Construct client and server side Scripting</li> <li>Draft and Design a webpage using CSS.</li> <li>Devise and Create sample static webpages</li> </ul>	<b>local developmental needs</b>
2	SOFTWARE TESTING AND QUALITY ASSURANCE	MCA163I	<ul style="list-style-type: none"> <li>To be aware of essential concepts of software quality.</li> <li>To understand fundamental concepts in software testing, including software testing objectives, process, criteria, strategies, and methods.</li> <li>To identify the Systematic approach to the development, operation, maintenance, and retirement.</li> <li>To apply software testing knowledge and methods in testing software projects</li> </ul>	<ul style="list-style-type: none"> <li>Observe and Explain the significance of software testing and quality assurance</li> <li>Discuss and Elicit the basics of software testing, including objectives, process, criteria, strategies, and methodologies.</li> <li>Apply white box testing approach and Design the test cases.</li> <li>Devise and Design test cases from the given requirements using Black box testing techniques</li> <li>Observe, Recognize and do case studies on the need for System and user acceptance testing.</li> </ul>	<b>local developmental needs</b>

				<ul style="list-style-type: none"> <li>Discuss and Elicit importance of non-functional testing and the types of non-functional testing.</li> </ul>	
3	ANDROID APPLICATION DEVELOPMENT	MCA264I	<ul style="list-style-type: none"> <li>To understand the design issues in the development of mobile applications.</li> <li>To design the right user interface for mobile application.</li> <li>To understand the development procedure for mobile application.</li> <li>To develop mobile applications using various tools and platforms.</li> </ul>	<ul style="list-style-type: none"> <li>Recognize and recall the various tools and technologies used to develop mobile applications.</li> <li>Install and interact android studio and related SDK and enabling emulator or mobile device</li> <li>Apply various design components in the development of mobile applications</li> <li>Identify the right user interface for mobile application</li> <li>Discuss the various UI components with SQLite and establish database connection.</li> <li>Develop mobile applications using various tools and platforms</li> </ul>	<b>local developmental needs</b>



Ready for  
Every Good Work

# SACRED HEART COLLEGE (AUTONOMOUS)

Tirupattur – 635 601, Tamil Nadu, S.India

Resi : (04179) 220103

College : (04179) 220553

Fax : (04179) 226423

A Don Bosco Institution of Higher Education, Founded in 1951 \* Affiliated to Thiruvalluvar University, Vellore \* Autonomous since 1987

Accredited by NAAC (4<sup>th</sup> Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

## Name of the Programme: B.A ENGLISH

S.No	Title of the Paper	Course Code	Course Objectives	Course Outcomes	Relevance
1	English – II: Basic Communication	EN112T	<ul style="list-style-type: none"> <li>To help learners to build over the basic communication skills obtained in the previous semester in English</li> <li>To be able to frame correct complex sentences both in spoken and written forms</li> <li>To introduce students to idioms</li> <li>To prepare the students to interact with others in English with apt body language</li> <li>To enable students to appreciate literary pieces</li> </ul>	<ul style="list-style-type: none"> <li>At the end of the Course, the learners will be able to :</li> <li>CO1:Converse in English using appropriate vocabulary in Hospital, while gardening, travel and professional environments; discuss about weather, seasons, universe, roads and traffic signals</li> <li>CO2:Compliment and congratulate; persuade and remember someone; complain and apologize; make suggestions and warn someone; and ask about possibility</li> <li>CO3:Exhibit adequate writing skill in English using nouns and verbs prescribed for study</li> </ul>	<b>Local developmental needs</b>



				<ul style="list-style-type: none"> <li>• CO4: Demonstrate practical knowledge of grammar related to subject verb agreement and punctuations; direct and indirect speech; conditional statements, questions, negation, command and request; active and passive voice and run-on sentences</li> <li>• CO5: Discuss and analyse, themes of essays/short stories written by Dr. APJ Abdul Kalam, O. Henry and Cedric Mount; poems by P. B. Shelley and Khalil Gibran; express appreciation of aesthetic aspects of literary works</li> </ul>	
2	Social History of England	EN210	<ul style="list-style-type: none"> <li>• To enable the students to acquire some basic knowledge of the social history of England</li> <li>• To help students to recognize English thought, culture and history reflected in the study of literature</li> <li>• To facilitate students to understand the changing environment in the history of England and English Literature</li> <li>• To train the students to see the social life of the people of an era mirrored in the</li> </ul>	<ul style="list-style-type: none"> <li>• By the end of this course, students will be able to:</li> <li>• Develop an ability to read texts in relation to their historical and cultural context</li> <li>• Gain a richer understanding of both text and context</li> <li>• Become aware of themselves as situated historically and culturally</li> <li>• Think critically and creatively and develop detailed methods of analysis and response</li> </ul>	<b>Local and regional</b>

			literature of the corresponding era.		
3	Elective-I: Literature and Film	EN521B	<ul style="list-style-type: none"> <li>To identify the fundamentals of film making and analysis to study film as a genre in the literary tradition.</li> <li>To use various literary and cinematic terms to discuss, interpret, and analyze representative texts.</li> <li>To respond to, analyze, and evaluate films as literary texts.</li> <li>To Demonstrate critical reading of texts and use a style appropriate for academic discourse by writing multi-page papers.</li> <li>To show an understanding how the political, socio-cultural, and historical contexts of literature translate into film making and analysis.</li> <li>To synthesize connections between individual texts and a variety of literary and cinematic interpretations.</li> </ul>	<ul style="list-style-type: none"> <li>CO1: Identify the fundamentals of film making and analysis to study film as a genre in the literary tradition.</li> <li>CO2: Relate various literary and cinematic terms to discuss, interpret, and analyze representative texts.</li> <li>CO3: Respond to, analyze, and evaluate films as literary texts</li> <li>CO4: Demonstrate critical reading of texts and use a style appropriate for academic discourse by writing multi-page papers.</li> <li>CO5: Synthesize connections between individual texts and a variety of literary and cinematic interpretations.</li> </ul>	<b>Local developmental needs</b>
	NME: Written Communication	NEN604	<ul style="list-style-type: none"> <li>To instill in students the confidence and skills necessary to face the challenges of a competitive exam</li> <li>To equip them with</li> </ul>	<ul style="list-style-type: none"> <li>students will be confident and possess the skills necessary to face the challenges of a competitive exam</li> <li>They will acquire English</li> </ul>	<b>Local developmental needs</b>

4			<p>English language skills to achieve success in the competitive examinations</p> <ul style="list-style-type: none"> <li>To give exposure and train them to succeed in group discussions and interviews</li> </ul>	<p>language skills to achieve success in the competitive examinations</p> <ul style="list-style-type: none"> <li>They will be exposed to write competitive examinations</li> <li>They will be able to participate in Group discussions and interviews</li> </ul>	
---	--	--	--	--	--



Ready for  
Every Good Work

# SACRED HEART COLLEGE (AUTONOMOUS)

Tirupattur – 635 601, Tamil Nadu, S.India

Resi : (04179) 220103

College : (04179) 220553

Fax : (04179) 226423

A Don Bosco Institution of Higher Education, Founded in 1951 \* Affiliated to Thiruvalluvar University, Vellore \* Autonomous since 1987

Accredited by NAAC (4<sup>th</sup> Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

## Name of the Programme: M.A ENGLISH

1	ELECTIVE II: CULTURAL STUDIES	EN822A	<ul style="list-style-type: none"> <li>To know about cultural studies as a branch of literature</li> <li>To understand the impact of culture on literature</li> <li>To comprehend the underlying terminologies related to cultural studies</li> <li>To know about the recent trends in cultural studies</li> </ul>	<ul style="list-style-type: none"> <li>Know cultural studies as a branch of literature</li> <li>Understand the impact of culture on literature</li> <li>Comprehend the underlying terminologies related to cultural studies</li> <li>Know about the recent trends in cultural studies</li> <li>Create the literary pieces related to cultural studies</li> </ul>	<b>Local/ Regional developmental needs</b>
2.	ELECTIVE IV: CONTENT WRITING	EN1025A	<ul style="list-style-type: none"> <li>To be familiar with the process of Content writing</li> <li>To be aware of the common errors committed by ESL learners</li> <li>To be well-versed with the mechanics of writing in English</li> <li>To boost one's vocabulary</li> <li>To learn to use the modern writing tools (Apps)</li> <li>To enhance one's non-fictional writing skills</li> <li>To become familiar with standard business writing</li> </ul>	<ul style="list-style-type: none"> <li>CO1: Comprehend the process of Content writing</li> <li>CO2: Identify and analyse the common errors committed by ESL learners</li> <li>CO3: Construct an error free sentences in English</li> <li>CO4: Demonstrate the knowledge in using the correct vocabulary</li> <li>CO5: Exhibit the use of modern writing tools (Apps)</li> <li>CO6: Compose non-fictional writing and standard business writing</li> </ul>	<b>Local/ Regional developmental needs</b>

11.	ELECTIVE IV: CONTENT WRITING	EN1025A	<ul style="list-style-type: none"> <li>• To be familiar with the process of Content writing</li> <li>• To be aware of the common errors committed by ESL learners</li> <li>• To be well-versed with the mechanics of writing in English</li> <li>• To boost one's vocabulary</li> <li>• To learn to use the modern writing tools (Apps)</li> <li>• To enhance one's non-fictional writing skills</li> <li>• To become familiar with standard business writing</li> </ul>	<ul style="list-style-type: none"> <li>• CO1: Comprehend the process of Content writing</li> <li>• CO2: Identify and analyse the common errors committed by ESL learners</li> <li>• CO3: Construct an error free sentences in English</li> <li>• CO4: Demonstrate the knowledge in using the correct vocabulary</li> <li>• CO5: Exhibit the use of modern writing tools (Apps)</li> <li>• CO6: Compose non-fictional writing and standard business writing</li> </ul>	<b>Local/ Regional developmental needs</b>
12.	ELECTIVE – IV: ADVANCED ACADEMIC WRITING	EN1025B	<ul style="list-style-type: none"> <li>• To gain knowledge about Academic writing and it's nuances</li> <li>• To develop the proficiency of the learners in writing English for academic purposes.</li> <li>• To integrate the various skills and sub skills into meaningful writing activities</li> <li>• To tap the critical thinking and synthesizing skills of the learners</li> <li>• To enable them to write a scientific paper as a hands on practice experience</li> </ul>	<ul style="list-style-type: none"> <li>• CO1: Acquire knowledge about Academic writing and it's aspects in a theoretical way</li> <li>• CO2: Use English for various academic purposes</li> <li>• CO3: Gain knowledge to integrate the skills need to accomplish the writing activities</li> <li>• CO4: Adapt the critical way of producing the information</li> <li>• CO5: Write a scientific paper as an academic practice</li> </ul>	<b>Local/ Regional developmental needs</b>



Ready for  
Every Good Work

# SACRED HEART COLLEGE (AUTONOMOUS)

Tirupattur – 635 601, Tamil Nadu, S.India

Resi : (04179) 220103

College : (04179) 220553

Fax : (04179) 226423

A Don Bosco Institution of Higher Education, Founded in 1951 \* Affiliated to Thiruvalluvar University, Vellore \* Autonomous since 1987

Accredited by NAAC (4<sup>th</sup> Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

## Name of the Programme: B.COM (CA)

1	OFFICE AUTOMATION	CC108	<ul style="list-style-type: none"><li>To know the history of computers.</li><li>To understand the basic formatting features in word processor.</li><li>To have knowledge on functions of spreadsheet.</li><li>To understand the fundamental concepts of presentation.</li><li>To explore knowledge on sending receiving mails.</li></ul>	<ul style="list-style-type: none"><li>Identify the history of computers and process involved in it</li><li>Generalize the basic formatting features in word processor.</li><li>Prioritize knowledge on functions of spreadsheet.</li><li>Explore the fundamental concepts of presentation.</li><li>Organize the skills on sending and receiving mails.</li><li>Validate the efficiency of using the application tools.</li></ul>	Local Needs
2	CERTIFICATE COURSE II: TOURISM MARKETING	CC416X	<ul style="list-style-type: none"><li>To provide a global and local perspective on tourism marketing</li><li>To build theoretical knowledge of the tourism marketing and related sectors</li><li>To understand about the behaviour of tourists.</li><li>To gain knowledge of tourism market</li></ul>	<ul style="list-style-type: none"><li>Aware about the basics of tourism and effects of tourism</li><li>Apply the tourism marketing of developed countries in India.</li><li>Understand about the behaviour of tourist</li><li>Analyse the tourism planning</li></ul>	Local Needs

			<p>segmentation.</p> <ul style="list-style-type: none"> <li>To enable the students to be familiar with tourism planning process.</li> </ul>	<p>process and regional planning</p> <ul style="list-style-type: none"> <li>Understand about the tourism market segmentation</li> </ul>	
3	COMPUTER ORGANIZATION	CC515	<ul style="list-style-type: none"> <li>To know the fundamentals of a computer system.</li> <li>To understand the different types of number system.</li> <li>To understand the various types of memory and processor.</li> <li>To understand the classification of computer languages.</li> <li>To study the different kinds of input output device.</li> </ul>	<ul style="list-style-type: none"> <li>Understand the concept of input and output devices of Computers and how it works and recognize the basic terminology used in computer.</li> <li>Solve problems using number systems</li> <li>Understand the various types of memory and processor.</li> <li>Analyze the types of input output devices</li> <li>connect the types of computer languages</li> <li>Evaluate the various types of computer languages</li> </ul>	Local needs
4	SELF STUDY PAPER: I 1.1 BUSINESS ORGANIZATIONS	CC518SP1	<ul style="list-style-type: none"> <li>To gain knowledge of Business Organization and its importance</li> <li>To enable the students to be familiar with various types of business organisation.</li> <li>To impart knowledge on establishment of industry</li> <li>To understand the types and functions of stock exchanges in India.</li> <li>To impart knowledge on trade associations a chamber of commerce</li> </ul>	<ul style="list-style-type: none"> <li>Analyse the social responsibility of business in real business world</li> <li>Understand the forms of business organisation.</li> <li>Aware about concept of establishment of industry and district industrial centre</li> <li>Evaluate the functions of stock exchange</li> <li>Understand about the functions of chamber of commerce</li> </ul>	Local Needs
5	SUMMER INTERNSHIP AND MINI OBSERVATION REPORT	CC518SI	<ul style="list-style-type: none"> <li>To expose students to industry practices and help them to face the challenges in this rapidly changing world, internship training is crucial.</li> <li>The purpose of the Internship is to provide students with an authentic learning environment for integrated and holistic education. The work carried out by the</li> </ul>	<ul style="list-style-type: none"> <li>Students acquire experiential learning.</li> <li>Students gain working experience in an actual workplace environment.</li> <li>Study integrate theory and practice, and to understand the limitations of their current knowledge.</li> <li>Student aware to work in a team and</li> </ul>	Local Needs

			student in the internship should be relevant to the areas of Accounting / Marketing / Finance / Investment/ Banking / Insurance/ Auditing & Taxation / Entrepreneurship	to collaborate with people with diverse background	
6	SUBJECT SKILL: COMPUTERIZED ACCOUNTING - II	CC615	<ul style="list-style-type: none"> <li>To know about payroll to employees with concern department.</li> <li>To givean insight knowledge of Cost center and Cost Category.</li> <li>To educate the students about multiple price level.</li> <li>To equip the students about TCS and TDS.</li> <li>To enable the students to acquire advance knowledge on computer application in the field of Accounting with Tally Prime Software or Higher Version.</li> </ul>	<ul style="list-style-type: none"> <li>Create Payroll with basic pay, HRA, DA, TA.</li> <li>Explain the steps to prepare cost center, Cost Category and Bank Reconciliation Statement.</li> <li>Understand the multiple price level</li> <li>Create the report based on the TDS and TCS concept.</li> <li>Generate the accounting report and export the file.</li> </ul>	Local Needs
7	SUBJECT SKILL: COMPUTERIZED ACCOUNTING – II (PRACTICAL – VII)	PCC603	<ul style="list-style-type: none"> <li>To enable the students to acquire knowledge about payroll.</li> <li>To educate about cost center and cost category.</li> <li>To the students aware about Interest calculation and multiple price level.</li> <li>To enable to acquire the knowledge of Bank Reconciliation.</li> <li>To know the TDS and TCS.</li> </ul>	<ul style="list-style-type: none"> <li>Create the Payroll.</li> <li>Pass the entries of Cost center and Cost category.</li> <li>Calculate Interest Calculation.</li> <li>Prepare the Bank Reconciliation Statement.</li> <li>Create the report for the transactions ofTax collected at Source and Tax Deducted at Source.</li> </ul>	Local Needs
8	SELF STUDY PAPER – II 2.2 SALES PROMOTIONS	CC518SP7	<ul style="list-style-type: none"> <li>To enable the students to acquire knowledge on sales promotion and its importance</li> <li>To make students to aware about different tools of sales promotion</li> <li>To impart knowledge on various techniques of sales promotion</li> <li>Students enable to learn how to creating public relations</li> <li>To know ethical and legal aspects of sales promotion</li> </ul>	<ul style="list-style-type: none"> <li>Students understand the sales promotion techniques</li> <li>Have knowledge about tools of sales promotion</li> <li>Apply the skills in marketing a product by using different process.</li> <li>Understanding the necessity of creating public relations</li> <li>Gain knowledge on ethical and unethical sales promotion</li> </ul>	Local Needs



9	NON – MAJOR ELECTIVE – II: GENERAL COMMERCIAL KNOWLEDGE	NCC603	<ul style="list-style-type: none"> <li>• To enable the students to have general commercial knowledge</li> <li>• To impart knowledge on joint stock companies and its management</li> <li>• To gain basic knowledge on Trade, Commerce and Industry</li> <li>• To understand about various business forms</li> <li>• To acquire knowledge on preparing company agenda and minutes</li> </ul>	<ul style="list-style-type: none"> <li>• Have basic knowledge on Trade, Commerce and Industry</li> <li>• Understand on various forms of business-like sole trade and partnership</li> <li>• Aware about the company and types of co-operatives</li> <li>• Understand the procedure of appointment of directors and their duties</li> <li>• Familiar with proceedings of meetings of company.</li> </ul>	Local Needs
---	---	--------	---	---	-------------



Ready for  
Every Good Work

# SACRED HEART COLLEGE (AUTONOMOUS)

Tirupattur – 635 601, Tamil Nadu, S.India

Resi : (04179) 220103

College : (04179) 220553

Fax : (04179) 226423

A Don Bosco Institution of Higher Education, Founded in 1951 \* Affiliated to Thiruvalluvar University, Vellore \* Autonomous since 1987

Accredited by NAAC (4<sup>th</sup> Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

## Name of the Programme: B.Sc Psychology

S No	Title of the Paper	Course Code	Course Objectives	Course Outcomes	Relevance
1	BUSINESS COMMUNICATION	ABA401	<ul style="list-style-type: none"> <li>• Imbibe meaning of Business Communication and the general principles of communication.</li> <li>• Learn the mechanical structure of letters and drafting of others forms of communications.</li> <li>• Illustrate the mechanism of writing business reports.</li> <li>• Draft different kinds of business letters and communications.</li> <li>• Gain knowledge about Trade Letter, Export Letter, Letters of Application and Report Writing.</li> </ul>	<ul style="list-style-type: none"> <li>• Imbibe meaning of Business Communication and the general principles of communication.</li> <li>• Learn the mechanical structure of letters and drafting of others forms of communications.</li> <li>• Illustrate the mechanism of writing business reports.</li> <li>• Explain the clinical features and causal factors of anxiety related disorder</li> <li>• Gain knowledge about Trade Letter, Export Letter, Letters of Application and Report Writing.</li> <li>• Draft different kinds of business letters and communications.</li> </ul>	<b>Local developmental needs</b>

2	SUMMER INTERNSHIP (SI-2)	SY419SI	<ul style="list-style-type: none"> <li>• Foster capability in different fields of psychology by being in group environments.</li> <li>• Increment the involvement in multiculturalism and variety, creating information on moral practices in the different areas of brain science.</li> <li>• Improved your ability to maintain professional relationships and provide direct services like counseling, psychotherapy, and crisis intervention.</li> <li>• Aids in the beginning application of theoretical knowledge during the practical experience.</li> <li>• Look for a valuable educational opportunity that helps students choose their preferred psychology practice areas.</li> </ul>	<ul style="list-style-type: none"> <li>• Transmit the theoretical and practical knowledge of psychology by being in social settings.</li> <li>• Evaluate the skills, values, ideas and experience that are opted during in the various domains of the Psychological related organizations.</li> <li>• Starts applying the gained knowledge, in the field of various sectors of Psychology.</li> <li>• Interpret the link between theories and practice.</li> <li>• Connect the structure and functions of the various fields of Psychology</li> <li>• Applies specific psychological concepts, theoretical perspectives, empirical finding and historical trends in psychology.</li> <li>• Create career platform for interested domains in psychology</li> </ul>	<b>local developmental needs</b>
3	STRESS MANAGEMENT- (NON-MAJOR ELECTIVE I)	NSY501	<ul style="list-style-type: none"> <li>• To understand the basic concepts related to stress</li> <li>• To know about the stress and its relationship to body and emotion</li> <li>• To learn about stress and its relationship to mind and spirit</li> <li>• To relate teach and practice</li> </ul>	<ul style="list-style-type: none"> <li>• Explain the basic concepts related to stress</li> <li>• Define stress and its relationship to body and emotion</li> <li>• Comprehend stress and its relationship to mind and spirit</li> <li>• Demonstrate coping strategies</li> </ul>	<b>Local developmental needs</b>

			<p>coping strategies</p> <ul style="list-style-type: none"> <li>To understand the approaches of stress</li> </ul>	<ul style="list-style-type: none"> <li>Illustrate Relaxation techniques</li> <li>Compare the healthy and unhealthy emotion</li> <li>Gain knowledge on relaxation techniques.</li> </ul>	
4	<p>PSYCHOLOGY OF INTERPERSONAL RELATIONSHIP (NON-MAJOR ELECTIVE -II)</p>	<p>NSY601</p>	<ul style="list-style-type: none"> <li>To learn about self and attitudes</li> <li>To comprehend the difference between stereotyping, prejudice and discrimination.</li> <li>To know the concepts of interpersonal attraction and pro social behavior.</li> <li>To summarize aggression and social influence.</li> <li>To promote helping behavior.</li> </ul>	<ul style="list-style-type: none"> <li>Describe about self and attitudes</li> <li>Comprehend the difference between stereotyping, prejudice and discrimination.</li> <li>Define the concepts of interpersonal attraction and pro social behavior.</li> <li>Explain how interacting with diverse individuals can enhance self-awareness</li> <li>Summarize about aggression and social influence.</li> <li>Compile the importance of the helping behavior.</li> <li>Describe the value of interpersonal relationships and skills</li> </ul>	<p><b>Local developmental needs</b></p>



Ready for  
Every Good Work

# SACRED HEART COLLEGE (AUTONOMOUS)

Tirupattur – 635 601, Tamil Nadu, S.India

Resi : (04179) 220103

College : (04179) 220553

Fax : (04179) 226423

A Don Bosco Institution of Higher Education, Founded in 1951 \* Affiliated to Thiruvalluvar University, Vellore \* Autonomous since 1987

Accredited by NAAC (4<sup>th</sup> Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

## Name of the Programme: M.Sc Counselling Psychology

S No	Title of the Paper	Course Code	Course Objectives	Course Outcomes	Relevance
1	FIELD PRACTICUM- I (FP-1)	MSY135F	<ul style="list-style-type: none"><li>To help students develop counselling skills in applied settings.</li><li>To acquire the skills in Ice-breaking and Team building training.</li><li>To co-ordinate effectively with their supervisors at the counselling centre and the department.</li><li>To conceptualize the client's concerns, demonstrate and apply counselling skills and write a report.</li><li>To familiarize with basic psychological tests.</li></ul>	<ul style="list-style-type: none"><li>Apply counselling skills in applied settings.</li><li>Identify the relevant tests to be used for specific counselling needs.</li><li>Analyze the skills and therapies offered in counselling centres for various issues.</li><li>Understand usefulness of counselling skills and techniques.</li><li>Write verbatim, draw genogram and write psychological test reports.</li><li>Identify various areas of counselling.</li></ul>	<b>local developmental needs</b>

2	FIELD PRACTICUM – II (FP-2)	MSY234F	<ul style="list-style-type: none"> <li>• Apply theoretical knowledge in the counselling field.</li> <li>• Understand the functions and activities of field place organization.</li> <li>• Teach students to administer psychological tests in counselling</li> <li>• Offer a comprehensive view of various therapeutic practices.</li> <li>• Educate the student to create intervention strategy</li> </ul>	<ul style="list-style-type: none"> <li>• Know to practice counselling skills in diverse settings.</li> <li>• Write counselling report, case study and psychological assessment report.</li> <li>• Evaluate the different the techniques of counselling that they learn during field practicum. <ul style="list-style-type: none"> <li>• Analyse the link between theory and practice</li> <li>• Administer psychological tests in counselling.</li> <li>• Create intervention plans in counselling set up</li> </ul> </li> </ul>	<b>local developmental needs</b>
3	SUMMER INTERNSHIP (SI-1)	MSY235F	<ul style="list-style-type: none"> <li>• Develop competency in a various domains of psychology by being in a social settings.</li> <li>• Increase the experience with multiculturalism and diversity, developing knowledge of ethical practices in the various domains of psychology.</li> <li>• Learn to maintain professional relationship and became more competent in providing direct services, such as counseling, psychotherapy and crisis intervention.</li> <li>• Helps to start applying a theoretical knowledge in the</li> </ul>	<ul style="list-style-type: none"> <li>• Transmit the theoretical and practical knowledge of psychology by being in social settings.</li> <li>• Evaluate the skills, values, ideas and experience that are opted during in the various domains of the Psychological related organizations.</li> <li>• Starts applying the gained knowledge, in the field of various</li> <li>• Sectors of Psychology.</li> <li>• Interpret the link between theories and practice.</li> </ul>	<b>local developmental needs</b>

			<p>practical exposure.</p> <ul style="list-style-type: none"> <li>Find a meaningful educational opportunity that helps student to decide their preferred areas of practice in the psychology.</li> </ul>	<ul style="list-style-type: none"> <li>Connect the structure and functions of the various fields of Psychology</li> <li>Applies specific psychological concepts, theoretical perspectives, empirical finding and historical trends in psychology.</li> </ul>	
4	SCHOOL COUNSELLING (MC-9 )	MSY332T	<ul style="list-style-type: none"> <li>Equip students with basic concepts related to school counselling and guidance</li> <li>Comprehend the problems of children in educational settings.</li> <li>Educate the students with the knowledge regarding school counselling programs</li> <li>Offer information regarding adolescents and their problems</li> <li>Teach students to handle social and personal problems</li> </ul>	<ul style="list-style-type: none"> <li>Describe the basic concepts related to school counselling and guidance</li> <li>Understand the problems of children in educational settings</li> <li>Gain knowledge regarding school counselling programs</li> <li>Appraise the school counselling program, its related objective, process and instruments.</li> <li>Apply the acquired skills related to exceptional children in school setting</li> <li>Connect with various issues of adolescents and the determinants</li> </ul>	<b>local developmental needs</b>

5	FIELD PRACTICUM – III (FP-III)	MSY335F	<ul style="list-style-type: none"> <li>• Apply theoretical knowledge in the counselling field.</li> <li>• Understand the functions and activities of field place organization.</li> <li>• Teach students to administer psychological tests in counselling</li> <li>• Offer a comprehensive view of various therapeutic practices.</li> <li>• Educate the student to create intervention strategy</li> </ul>	<ul style="list-style-type: none"> <li>• applying the theoretical knowledge in the Counselling Field</li> <li>• Comprehend the functions and activities of organization</li> <li>• Administer psychological tests in counselling.</li> <li>• Relate the connection between theory and practice</li> <li>• Connect the various therapeutic practices.</li> <li>• Plan the counselling intervention strategy</li> </ul>	<b>local developmental needs</b>
6	RESEARCH PROJECT (RP)	MSY434J	<ul style="list-style-type: none"> <li>• Understand research methodology by undertaking a research project.</li> <li>• Plan the steps of research by its application.</li> <li>• Acquire the skills of undertaking a research project.</li> <li>• Recognize the scope of statistics.</li> <li>• Interpret diagrammatic and graphic representation of data.</li> </ul>	<ul style="list-style-type: none"> <li>• Design substantial research-based project</li> <li>• Relate and manage change through collaboration with others</li> <li>• Analyse data and synthesize research findings</li> <li>• Extract research findings in written and verbal forms</li> <li>• Use research findings to advance education and psychological theories and practice</li> <li>• Understand ethical issues associated with practitioner research</li> </ul>	<b>Local developmental needs</b>



7	SUMMER INTERNSHIP (SI-2) OPTIONAL		<ul style="list-style-type: none"> <li>• Value experience in a counselling field by being in an open or closed setting.</li> <li>• Understand the Skills, techniques and approaches adopted by the organization.</li> <li>• Apply the knowledge gained, in the field of counselling.</li> <li>• Understand the structure and functions of the organization.</li> <li>• Prioritize to get placed in an institution.</li> </ul>	<ul style="list-style-type: none"> <li>• Relate the theoretical experience with the field by being in an open or closed setting.</li> <li>• Understand the skills, techniques and approaches adopted by the organization.</li> <li>• Apply the knowledge gained, in the field of counselling.</li> <li>• Understand the link between theory and practice.</li> <li>• Connect the structure and functions of the organizations.</li> <li>• Appraise the situation and use the appropriate therapies</li> </ul>	<b>local developmental needs</b>
---	--------------------------------------	--	---	---	----------------------------------



Ready for  
Every Good Work

# SACRED HEART COLLEGE (AUTONOMOUS)

Tirupattur – 635 601, Tamil Nadu, S.India

Resi : (04179) 220103

College : (04179) 220553

Fax : (04179) 226423

A Don Bosco Institution of Higher Education, Founded in 1951 \* Affiliated to Thiruvalluvar University, Vellore \* Autonomous since 1987

Accredited by NAAC (4<sup>th</sup> Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

## Name of the Programme: B.Sc Microbiology

S No	Title of the Paper	Course Code	Course Objectives	Course Outcomes	Relevance
1	MUSHROOM TECHNOLOGY	MB302	<ul style="list-style-type: none"><li>To encode the importance of the Mushrooms.</li><li>To obtain a good understanding of Mushroom cultivation and its disease control.</li><li>To obtain knowledge in nutritional and medicinal values of Mushrooms.</li></ul>	<ul style="list-style-type: none"><li>The paper Mushroom Technology provides the information about the Cultivation, Disease control, Nutritional value and Medicinal value of Mushrooms.</li></ul>	<b>Local and Regional developmental needs</b>





Ready for  
Every Good Work

# SACRED HEART COLLEGE (AUTONOMOUS)

Tirupattur – 635 601, Tamil Nadu, S.India

Resi : (04179) 220103

College : (04179) 220553

Fax : (04179) 226423

A Don Bosco Institution of Higher Education, Founded in 1951 \* Affiliated to Thiruvalluvar University, Vellore \* Autonomous since 1987

Accredited by NAAC (4<sup>th</sup> Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

## Name of the Programme: MSc Applied Microbiology

S No	Title of the Paper	Course Code	Course Objectives	Course Outcomes	Relevance
1	ELECTIVE – PUBLIC HEALTH MICROBIOLOGY	MB804C	<ul style="list-style-type: none"><li>To strengthen the knowledge of personal health care and hygienic to students.</li><li>To provide a detailed study on vaccine and its schedule throughout the life time.</li><li>To acquaint the student with basic concept of public health and prophylactic measures.</li><li>To understand air, Food, water, insect borne infectious diseases.</li><li>To create public awareness, individual behavior, and disease prevention.</li></ul>	<ul style="list-style-type: none"><li>Create awareness to prevent disease, promote health, and prolong life among the population as a whole.</li><li>Provide conditions in which people can be healthy and focus on entire populations, not on individual patients or diseases.</li><li>Operate and employ the National disease control plans for major infectious diseases.</li><li>Understanding the Comprehensive health education campaigns to increase public awareness of these diseases in rural areas of India.</li><li>Support for the investigation, management and control of infection and outbreaks of</li></ul>	<b>Local / Regional developmental needs</b>

				<p>Communicable disease.</p> <ul style="list-style-type: none"> <li>• Provide assistance during field investigations by processing Clinical samples.</li> </ul>	
2	MUSHROOM TECHNOLOGY	MB903	<ul style="list-style-type: none"> <li>• To modify of the Mushroom cultivation in a scientific way for livelihood.</li> <li>• To differentiate edible and poisonous mushrooms and their effects.</li> <li>• To encode the importance of the Mushrooms.</li> <li>• To outline the process of Mushroom cultivation.</li> <li>• To obtain a good understanding of Mushroom cultivation and its disease control.</li> </ul>	<ul style="list-style-type: none"> <li>• Provides the information about the Cultivation, Nutritional value and Medicinal value of Mushrooms.</li> <li>• Gaining knowledge about different types of Mushrooms.</li> <li>• Analyze the pathological damage on mushrooms and outline the post-harvest practices.</li> <li>• Demonstrate the methods for Disease control in Mushrooms.</li> <li>• Assess the nutrient and medicinal value of edible mushrooms and analyse effects of mushroom poisoning.</li> <li>• Develops Entrepreneurial skill on Production and Marketing of Mushroom.</li> </ul>	<b>Local / Regional developmental needs</b>



Ready for  
Every Good Work

# SACRED HEART COLLEGE (AUTONOMOUS)

Tirupattur – 635 601, Tamil Nadu, S.India

Resi : (04179) 220103

College : (04179) 220553

Fax : (04179) 226423

A Don Bosco Institution of Higher Education, Founded in 1951 \* Affiliated to Thiruvalluvar University, Vellore \* Autonomous since 1987

Accredited by NAAC (4<sup>th</sup> Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

## Name of the Programme: B.A History

S No	Title of the Paper	Course Code	Course Objectives	Course Outcomes	Relevance
1	HISTORY OF TAMIL NADU UP TO 1336 A.D.	HT104	<ul style="list-style-type: none"><li>To become aware of the political, social and economic developments of Tamil Nadu.</li><li>To identify the contribution of Pallavas to art and architecture.</li><li>To study the development of art and architecture under the Cholas.</li><li>To evaluate the socio, economic and religious condition of Tamil Nadu under the Pandyas.</li><li>To describe the advent of Islam in Tamil Nadu.</li></ul>	<ul style="list-style-type: none"><li>Asses the formation of various ruling dynasties and the consequent socio – economic and political developments in Tamil Nadu.</li><li>Illustrate the origin and growth of Bakthi movement and the evolution of art and architecture under the Pallavas.</li><li>Explain the cultural achievements of Cholas.</li><li>Discuss the socio, economic and religious condition under the Pandyas</li><li>Recognize about second Pandya Empire and the establishment of Madurai Sultanate.</li></ul>	<b>local, regional Developmental needs</b>

2	HISTORY OF TAMIL NADU (1336 – 1947 A.D.)	HT204	<ul style="list-style-type: none"> <li>• To understand the socio, economic and cultural condition of the Nayaks of Madurai, Tanjore and Senji.</li> <li>• To explain the rise of Marathas of Tanjore, Marava kingdoms of Ramnad and Sivaganga.</li> <li>• To analyse the establishment of European companies and the conflict with the native rulers.</li> <li>• To examine the role of Christian Missionaries in the field of Education in Madras presidency.</li> <li>• To understand the political consciousness and the freedom movement in Madras Presidency</li> </ul>	<ul style="list-style-type: none"> <li>• Know about the Vijayanagar and Nayankara System.</li> <li>• Highlight the conditions of Tamil Nadu under the non-Tamil rulers.</li> <li>• Explain the Advent of the Europeans in Tamil Nadu.</li> <li>• Identify the socio- religious reform movements in Tamil Nadu.</li> <li>• Summarize the socio, economic and educational development in Tamil Nadu after independence.</li> </ul>	<b>Local and regional developmental needs</b>
3	HISTORIOGRAPHY	HT509	<ul style="list-style-type: none"> <li>• To study the definition and scope of History.</li> <li>• To understand the technical terms such as Dialectical Materialism, Objectivity in History, Causation in History.</li> <li>• To study the contributions made by Ancient Greco-Roman Historians such as Herodotus, Pliny, Livy, Strabo and Thucydides.</li> <li>• To study the nature of history in relation with other disciplines.</li> <li>• To make the student to</li> </ul>	<ul style="list-style-type: none"> <li>• Students get familiarized with footnoting, writing references and bibliography.</li> <li>• Students would have knowledge about the Modern Historians like Arnold Toynbee and his contribution to the history of 18th century England.</li> <li>• Students would get an idea about the famous Marxian historians in India such as Romila Thapar, Irfan Habib and Bipin Chandra.</li> <li>• Students would have the opportunity to compare the</li> </ul>	<b>Local and national developmental needs</b>

			<p>understand the various ideas that shaped the work of leading historians.</p>	<p>writings of the traditional historians like Nilakanta Sastri, R G Bhandarkar with that of R S Sharma, Romila Thapar and others.</p> <ul style="list-style-type: none"> <li>• Students would be able to know about the contribution of noted historians of the past with special reference to India.</li> </ul>	
4	<p>CONTEMPORARY HISTORY OF TAMIL NADU (1947 – 2016 A.D)</p>	HT608	<ul style="list-style-type: none"> <li>• To study about the congress government in Tamil Nadu since independence.</li> <li>• To make the students to understand the various schemes of Kamaraj for the development of Tamil Nadu during his Era.</li> <li>• To become aware of the formation of DK and DMK in Tamil Nadu.</li> <li>• To study comparatively about the welfare schemes of MGR and J. Jeyalalitha.</li> <li>• To emphasize the various policies and disputes in contemporary Tamil Nadu.</li> </ul>	<ul style="list-style-type: none"> <li>• Discuss the impact of the kula kalvi thittam of Rajaji in Tamil Nadu.</li> <li>• Examine the various schemes of Kamaraj for the development of education in Tamil Nadu.</li> <li>• Review the origin and development of DK and DMK in Tamil Nadu.</li> <li>• The students are familiar with the DMK and AIADMK government with its policies and programmes.</li> <li>• Analyze the effect of Coalition Politics on Tamil Nadu. The students are familiar with the Congress, DMK, AIADMK governments that governed TamilNadu with its policies and programmes.</li> </ul>	<p><b>local, regional developmental needs</b></p>







Ready for  
Every Good Work

# SACRED HEART COLLEGE (AUTONOMOUS)

Tirupattur – 635 601, Tamil Nadu, S.India

Resi : (04179) 220103

College : (04179) 220553

Fax : (04179) 226423

A Don Bosco Institution of Higher Education, Founded in 1951 \* Affiliated to Thiruvalluvar University, Vellore \* Autonomous since 1987

Accredited by NAAC (4<sup>th</sup> Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

S No	Title of the Paper	Course Code	Course Objectives	Course Outcomes	Relevance
1	General Laboratory and Instruments Maintenance	BCD109	<ul style="list-style-type: none"> <li>To Understanding the importance of standard operating procedures and safety precautions in maintaining a safe and efficient working environment.</li> <li>To enhancing knowledge of safety precautions while handling and storing samples.</li> <li>To provide knowledge on proper handling and storage of lab equipment to ensure its longevity.</li> <li>To learn about comprehensive understanding of microscopy techniques and applications.</li> </ul>	<ul style="list-style-type: none"> <li>Understanding the importance of SOPS and safety precautions in the work place.</li> <li>Awareness of safety precautions and practices while handling and storing samples.</li> <li>Competence in identifying and operating common laboratory equipment.</li> <li>Explain the working mechanisms and functionalities of various microscopy techniques.</li> <li>Integrate knowledge of colorimeter and spectrophotometer.</li> <li>Recall demonstrates knowledge and understanding of the basic principles and components of ELISA, Turbidometer and Autoanalyser.</li> </ul>	<b>Local/National developmental needs</b>

3	HUMAN PATHOGENS & BODY FLUID ANALYSIS	BCD210	<ul style="list-style-type: none"> <li>• To acquire broad knowledge on human pathogens, its symptoms, causes and treatment.</li> <li>• To understand the fundamentals concepts in bacteriology, virology and mycology.</li> <li>• To know the basics of source and mode of action of Viruses and fungi infecting the humans.</li> <li>• To comprehend the formation, collection and functions of Amniotic and Cerebrospinal fluids.</li> <li>• To exhibit skills on the formation, collection and functions of Serous fluid and other body fluids.</li> </ul>	<ul style="list-style-type: none"> <li>• Identify the fundamentals concepts in human pathogens, its symptoms, causes and treatment.</li> <li>• Demonstrate broad knowledge on the fundamentals concepts in bacteriology and virology.</li> <li>• Distinguish the fundamentals concepts in mycology and its pathogenesis in humans.</li> <li>• Determine to know the fundamentals of source and mode of action of Human Viruses and fungi.</li> <li>• Correlate and measure the formation, collection and functions of Amniotic and Cerebrospinal fluids.</li> <li>• Originate on the formation, collection and functions of Serous fluid and other body fluids.</li> </ul>	<b>Local/National developmental needs</b>
3	MICROBIOLOGY	BCD211	<ul style="list-style-type: none"> <li>• To learn about the basics of Microbiology.</li> <li>• To understand the concepts of bacterial physiology and growth factors, bacterial growth curve and morphology.</li> <li>• To determine and interpret the staining methods and its applications.</li> <li>• To know the methods of sterilization of media and instruments.</li> <li>• To learn about hands on training of cultivation of bacteria.</li> </ul>	<ul style="list-style-type: none"> <li>• Acquire information about various microorganisms.</li> <li>• Identify the bacterial physiology and growth factors, bacterial growth curve and morphology</li> <li>• Defend opinions on collection of samples, labeling and transportation of material and disposal of microbiology products</li> <li>• Compile information about various nutrient medium.</li> <li>• Define the name of the microbes of biological significance</li> <li>• Interpret the staining methods and its applications.</li> </ul>	<b>Local developmental needs.</b>



*Ready for  
Every Good Work*

# SACRED HEART COLLEGE (AUTONOMOUS)

Tirupattur – 635 601, Tamil Nadu, S.India

Resi : (04179) 220103

College : (04179) 220553

Fax : (04179) 226423

---

A Don Bosco Institution of Higher Education, Founded in 1951 \* Affiliated to Thiruvalluvar University, Vellore \* Autonomous since 1987

Accredited by NAAC (4<sup>th</sup> Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

---

**Name of the Programme: PG Diploma in Human Resources Management**

S No	Title of the Paper	Course Code	Course Objectives	Course Outcomes	Relevance
1	HUMAN RESOURCE MANAGEMENT AND INFORMATION SYSTEM	MSDH122	The basic objective of this course is to provide to the country a steady stream of competent young men & women with the necessary knowledge, skills and foundations for acquiring a wide range of rewarding careers into the rapidly expanding world of Human Resource Management.	<ul style="list-style-type: none"> <li>• Understand the concept of human resource management and to understand its relevance in organizations</li> <li>• Analyze the strategic issues and strategies required to select and develop manpower resources.</li> <li>• Integrate the knowledge of HR concepts to take correct business decisions</li> <li>• Explain the purpose of Human Resources Information System and how it facilitates HR Program</li> <li>• Develop HRIS software with a focus on Recruitment, Selection, Performance Management, Employee Tracking, Payroll, and Employee Separation</li> </ul>	<b>Local/ Regional</b>
2	INDUSTRIAL RELATIONS AND EMPLOYEE WELFARE	MSDH124	The basic objective of this course is to provide to the country a steady stream of competent young men & women with the necessary knowledge, skills and foundations for acquiring a wide range of rewarding careers into the rapidly expanding world of Human	<ul style="list-style-type: none"> <li>• Describe fundamental concepts and nature of Industrial Relations</li> <li>• Understand the nature and role of trade unions for workers and industries</li> <li>• Examine the relevance of Welfare measures collective bargaining and its impact on employee-</li> </ul>	<b>Local/ Regional</b>

			Resource Management.	<p>management relations</p> <ul style="list-style-type: none"> <li>• Assess the issues related to Industrial health hazards, hygiene and psychological problems faced by the employees in Industry</li> <li>• Acquire skills in handling employer-employee relations in labour management</li> </ul>	
--	--	--	----------------------	--	--



Ready for  
Every Good Work

# SACRED HEART COLLEGE (AUTONOMOUS)

Tirupattur – 635 601, Tamil Nadu, S.India

Resi : (04179) 220103

College : (04179) 220553

Fax : (04179) 226423

A Don Bosco Institution of Higher Education, Founded in 1951 \* Affiliated to Thiruvalluvar University, Vellore \* Autonomous since 1987

Accredited by NAAC (4<sup>th</sup> Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

## Name of the Programme: PG Diploma in Import and Export Management (PGDIEM)

S No	Title of the Paper	Course Code	Course Objectives	Course Outcomes	Relevance
1	EXIM POLICY & EXPORT PROCEDURE & DOCUMENTATION	MSDI121	The basic objective of this course is to provide to the country a steady stream of competent young men & women with the necessary knowledge, skills and foundations for acquiring a wide range of rewarding careers into the rapidly expanding world of Import Export Management.	<ul style="list-style-type: none"><li>• On successful completion of this course, students will be able to</li><li>• Learn and understand the export policy and procedure related to export domain</li><li>• Categorize the various terms and conditions of exports with due respect to pre-shipment, post-shipment and EGC services</li><li>• Update the benefits and gains of export and apply it in real life</li><li>• Articulate export promotion scheme and create business</li></ul>	<b>Local/ Regional</b>

				<p>opportunities amidst graduates</p> <ul style="list-style-type: none"> <li>• Focus on the commodities of India and create an awareness</li> </ul>	
2	EXPORT AND IMPORT MANAGEMENT	MSDI223	<p>The basic objective of this course is to provide to the country a steady stream of competent young men &amp; women with the necessary knowledge, skills and foundations for acquiring a wide range of rewarding careers into the rapidly expanding world of Import Export Management.</p>	<ul style="list-style-type: none"> <li>• Develop an understanding of export and import</li> <li>• Outline the nature of international trade</li> <li>• Formulate the methods of EXIM documentation</li> <li>• Understand the importance and relevance of foreign trade policy</li> <li>• Compile the ways and means of processing the EXIM orders.</li> </ul>	<p><b>Local/ Regional</b></p>





*Ready for  
Every Good Work*

# SACRED HEART COLLEGE (AUTONOMOUS)

Tirupattur – 635 601, Tamil Nadu, S.India

Resi : (04179) 220103

College : (04179) 220553

Fax : (04179) 226423

---

A Don Bosco Institution of Higher Education, Founded in 1951 \* Affiliated to Thiruvalluvar University, Vellore \* Autonomous since 1987

Accredited by NAAC (4<sup>th</sup> Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

---

**Name of the Programme: PG Diploma in Logistics Management (PGDLM)**

S No	Title of the Paper	Course Code	Course Objectives	Course Outcomes	Relevance
1	REVERSE AND CONTRACT LOGISTICS	MSDL123	The basic objective of this course is to provide to the country a steady stream of competent young men & women with the necessary knowledge, skills and foundations for acquiring a wide range of rewarding careers into the rapidly expanding world of Logistic and Supply Management.	<ul style="list-style-type: none"> <li>• Formulate a the practices and processes set up for organizing product returns from points-of-sales to the manufacturer in order to repair, recycle or dispose of these articles in the most cost-effective way.</li> <li>• Understand the basics of contract logistics, third party logistics industry and third party logistics providers</li> <li>• Develop recouping the monetary value of items that were rejected can open up new business opportunities.</li> <li>• Apply and implement a contract logistics and closed supply chain in Retail, FMCG and Automobile sectors.</li> <li>• Show the returns and making the return order right, reduce related costs (administration, shipping, transportation, tech support, QA, etc.)</li> </ul>	<b>local</b>



*Ready for  
Every Good Work*

# **SACRED HEART COLLEGE (AUTONOMOUS)**

**Tirupattur – 635 601, Tamil Nadu, S.India**

**Resi : (04179) 220103**

**College : (04179) 220553**

**Fax : (04179) 226423**

---

A Don Bosco Institution of Higher Education, Founded in 1951 \* Affiliated to Thiruvalluvar University, Vellore \* Autonomous since 1987

Accredited by NAAC (4<sup>th</sup> Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

---

**Name of the Programme: PG Diploma in Cyber Security (PGDCS)**

S No	Title of the Paper	Course Code	Course Objectives	Course Outcomes	Relevance
1	Data Communication and Networking	CADC102	<ul style="list-style-type: none"> <li>To learn the architecture of Data communication and networking.</li> <li>To understand the layered architecture of TCP/IP.</li> </ul>	<ul style="list-style-type: none"> <li>Learn and use the concept of Data communication and Transmission Media</li> <li>Determine and Discuss the layer model of OSI and TCP/IP</li> <li>Determine and Elicit the Physical Layer functionalities</li> <li>List the functionality of Data Link Control Protocols and Observe their applications.</li> <li>Separate and Assess the functionality of Network Layer and Transport Layer</li> <li>Observe and Point out the functionality of various Application Layer protocols</li> </ul>	<b>local developmental needs</b>



*Ready for  
Every Good Work*

# SACRED HEART COLLEGE (AUTONOMOUS)

Tirupattur – 635 601, Tamil Nadu, S.India

Resi : (04179) 220103

College : (04179) 220553

Fax : (04179) 226423

---

A Don Bosco Institution of Higher Education, Founded in 1951 \* Affiliated to Thiruvalluvar University, Vellore \* Autonomous since 1987

Accredited by NAAC (4<sup>th</sup> Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

---

**Name of the Programme: PGDDS**

1	Applied Probability and Statistics	CADD104	<ul style="list-style-type: none"> <li>• To learn the basics of probability.</li> <li>• To learn the basics of statistics.</li> </ul>	<ul style="list-style-type: none"> <li>• Be acquainted with the basic concepts and applications of statistics data</li> <li>• Apply probability and linear regression methods to solve the simple / complex real world problems.</li> <li>• Correlate and use the Multiple Linear regression approach to determine the mathematical relationship among random variables.</li> <li>• Understand the process of developing a probabilistic model that best describes the relationship between dependent and independent variables.</li> <li>• Examine the differences between all the variable use in the experiment</li> <li>• Perform ANOVA test and infer the conclusion for a given data set</li> </ul>	<b>Local developmental needs</b>
---	------------------------------------	---------	---	---	----------------------------------



Ready for  
Every Good Work

# SACRED HEART COLLEGE (AUTONOMOUS)

Tirupattur – 635 601, Tamil Nadu, S.India

Resi : (04179) 220103

College : (04179) 220553

Fax : (04179) 226423

A Don Bosco Institution of Higher Education, Founded in 1951 \* Affiliated to Thiruvalluvar University, Vellore \* Autonomous since 1987

Accredited by NAAC (4<sup>th</sup> Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

**Name of the Programme: MSW(HRM)**

**1.1.1. Curricula developed and implemented have relevance to the local, regional, national, and global developmental needs, which is reflected in the Programme outcomes (POs) and Course Outcomes(COs) of the Programmes offered by the institution**

S No	Title of the Paper	Course Code	Course Objectives	Course Outcomes	Relevance
1	<i>SOCIAL WORK PRACTICE WITH INDIVIDUALS</i>	MHR102T	<ul style="list-style-type: none"> <li>To empower students with basic concepts, methods and definitions of case work practice with individuals.</li> <li>To Understand the principles, techniques, tools, theories, approaches and models involved in social case work.</li> <li>To make students comprehend and practice the characteristics and ethics to maintain professional relationship during case work practice.</li> <li>To develop the skill of report writing, recording, and presenting a case among the student</li> </ul>	<ul style="list-style-type: none"> <li>Gain knowledge, recognize, understand, explain, describe and illustrate the concepts and principles about primary methods of social work practice with individuals.</li> <li>Understand, characterize, plan, outline and practice the stages of case work.</li> </ul>	<b>Local / Global developmental needs</b>



			<ul style="list-style-type: none"> <li>To give a practical exposure to students by allowing them to identify clients and to gain experience in handling different problems by applying their theoretical knowledge.</li> <li>To prepare students to understand the roles and functions of a case worker, by exposing them to different settings.</li> </ul>	<ul style="list-style-type: none"> <li>Acquire knowledge, justify, prioritize, focus, agree on techniques, tools, approaches, theories and decide models used in case work practice.</li> <li>Adapt, integrate, perform, facilitate, fit, integrate, consider the functions of various settings to understand the practice of social case work in real time.</li> <li>To Identify people with problems who are in need of case work and reflecting to their problems by helping them to solve their problems valuing their emotions.</li> <li>Incorporate the case work methods and evaluate the issues of individuals, develop awareness and projects to solve individuals' problem.</li> </ul>	
2	<i>SOCIAL WORK PRACTICE WITH GROUPS</i>	MHR103T	<ul style="list-style-type: none"> <li>To enable students, understand the basic concepts of social group work as a method of social work</li> <li>To educate students the principles, values and dynamics involved in social group work practice and develop in them the ability to work independently as a professional Group Worker</li> <li>To outline the concept of programme planning and recording in social group work,</li> </ul>	<ul style="list-style-type: none"> <li>To enable students, understand the basic concepts of social group work as a method of social work</li> <li>To educate students the principles, values and dynamics involved in social group work practice and develop in them the ability to work independently as a professional Group Worker</li> <li>To outline the concept of programme planning and recording in social group work,</li> </ul>	<b>Local / Global developmental needs</b>

			<p>with the goal of improving the skills needed in students to become successful group workers in different settings</p> <ul style="list-style-type: none"> <li>• To prepare students to create, evaluate and practice group work through the application of techniques, processes and methods.</li> <li>• To prepare students to perform social group work in various settings.</li> <li>• To develop the ability in students to critically analyze problems of groups and the factors affecting them.</li> </ul>	<p>with the goal of improving the skills needed in students to become successful group workers in different settings</p> <ul style="list-style-type: none"> <li>• To prepare students to create, evaluate and practice group work through the application of techniques, processes and methods.</li> <li>• To prepare students to perform social group work in various settings.</li> <li>• To develop the ability in students to critically analyze problems of groups and the factors affecting them.</li> </ul>	
--	--	--	--	--	--