



# SACRED HEART COLLEGE (AUTONOMOUS)

Tirupattur – 635 601, Tamil Nadu, S.India Resi : (04179) 220103

College : (04179) 220553

Fax : (04179) 226423

Ready for Every  
Good Work

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 Course	Course Code	Name of the Program	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction
Mathematical Statistics	M748	M Sc Maths	<b>Entrepreneurship:</b> <b>Contents:</b> Sampling Distributions, Parametric Point Estimation, Tests of Hypotheses and Design of Experiments. <b>Activities:</b> To design the given experiments by applying sampling theory, significance tests, estimation and testing of hypothesis.	2021-22

D1. Stochastic Processes	M1052A	M Sc Maths	<p><b>Entrepreneurship:</b>  <b>Contents:</b> Stationary Process, Markov Chains, Renewal Processes and Theory.  <b>Activities:</b> To develop the basic ideas of Stochastic processes, Markov chains and Renewal process and to motivate students to do the research in these areas.</p>	2021-22
Advanced Business Statistics for Management	MBA1XXT	M Sc Maths	<p><b>Entrepreneurship:</b>  <b>Contents:</b> Introduction to Probability and Binomial Distribution, F Test and Chi-Square Test and Time Series Analysis.  <b>Activities:</b> To analyse the given data using statistical techniques, such as hypothesis testing and regression estimation.</p>	2021-22

Applied Operations Research for Management	MBA2XXT	M Sc Maths	<p><b>Entrepreneurship:</b> Linear Programming, Transportation and Assignment Problem, Replacement and Maintenance Analysis.</p> <p><b>Activities:</b> To enhance the knowledge of quantitative methods used in linear programming problems, transportation and assignment problems, game theory, replacement and maintenance.</p>	2021-22
Optimization Techniques	MCA2XXT	M Sc Maths	<p><b>Entrepreneurship:</b> Linear Programming, Inventory Control and Queuing Theory, Decision Theory and Game Theory.</p> <p><b>Activities:</b> To enhance the problem solving skills in linear Programming</p>	2021-22

Quantitative Aptitude Techniques	MCA5XXS	M Sc Maths	<b>Entrepreneurship:</b> <b>Contents:</b> Averages, Percentage, Time and work, Time and distance, Simple interest, Compound interest and Probability. <b>Activities:</b> To enhance aptitude skills and to solve quantitative problems.	2021-22
----------------------------------	---------	------------	--	---------