



Name of the Program	B.Sc. Mathematics
Name of the Program Co-ordinator	Ms. Jyothy Thomas
Expected Achievement Level for PO, PSO & CO	3

Analysis of CO Attainment

<i>Course No</i>	<i>Course Code</i>	<i>Course Name</i>	<i>Course Attainment Value</i>
Course 1	EN1CC01	FINE-TUNE YOUR ENGLISH	3.00
Course 2	EN1CC02	PEARLS FROM THE DEEP	3.00
Course 3	ML1CCT01/ HN 1 CCT01	കഥാസാഹിത്യം/ PROSE & ONE ACT PLAYS	3.00
Course 4	MM1CRT01	FOUNDATION OF MATHEMATICS	3.00
Course 5	ST1CMT01	DESCRIPTIVE STATISTICS	3.00
Course 6	PH1CMT01	PROPERTIES OF MATTER & ERROR ANALYSIS	3.00
Course 7	EN2CC03	ISSUES THAT MATTER	3.00
Course 8	EN2CC04	SAVORING THE CLASSICS	3.00
Course 9	ML2CCT02/ HN2CCT02	കവിത/ Short stories and Novel	3.00
Course 10	MM2CRT01	Analytic Geometry, Trigonometry and Differential Calculus	2.75
Course 11	ST2CMT02	Probability theory	3.00
Course 12	PH2CMT01	Mechanics and Astrophysics	3.00
Course 13	PH2CMP01	Complementary Physics Practical 1	3.00
Course 14	EN3CC05	LITERATURE AND/AS IDENTITY	3.00
Course 15	CML3CCT03/ HN3CCT03	ദ്വ്യശ്യാകലാസാഹിത്യം/Poetry, Grammar and Translation	3.00
Course 16	MM3CRT01	Calculus	3.00
Course 17	ST3CMT03	Probability Distributions	3.00
Course 18	PH3CMT03	Modern Physics and Electronics	2.67
Course 19	EN4CC06	ILLUMINATIONS	3.00
Course 20	ML4CCT04/ HN4CCT041	മലയാളഗദ്യരചനകൾ/ Drama and Long Poem	3.00



Course 21	MM4CRT01	Vector calculus, Theory of numbers and Laplace Transforms	2.80
Course 22	ST4CMT04	Statistical inference	3.00
Course 23	PH4CMT01	Optics and electricity	2.89
Course 24	PH4CMP02	Complementary Physics Practical 2	3.00
Course 25	MM5CRT01	Mathematical Analysis	2.40
Course 26	MM5CRT02	Differential Equations	2.75
Course 27	MM5CRT03	Abstract Algebra	2.75
Course 28	MM5CRT04	Human rights and Environmental Mathematics	2.80
Course 29	MM5OPT02	Open Course-Applicable Mathematics	2.75
Course 30	MM6CRT01	Real Analysis	2.50
Course 31	MM6CRT02	Graph Theory and Metric Space	2.80
Course 32	MM6CRT03	Complex Analysis	2.60
Course 33	MM6CRT04	Linear Algebra	2.50
Course 34	MM6CBT01	Operations Research	2.50
Course 35	MM6PRT01	PROJECT	3.00

Recommendations:

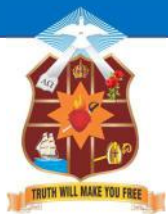
- Additional support to be given for core paper. More problem solving sessions to be conducted. Peer teaching may be used for improving the performance of students.
- Support sessions for slow learners in case of 3rd semester complementary Physics paper

Analysis of PSO Attainment

<i>PSO No</i>	<i>PSO</i>	<i>PSO Attainment Value</i>
PSO1	Explain the major concepts and theorems in Mathematics (Understand)	2.73
PSO2	Solve problems using tools in statistics and physics (Apply)	2.95
PSO3	Develop skills to transmit mathematical and non-mathematical ideas both orally and written (Apply)	2.84
PSO4	Evaluate a mathematical problem by critical thinking, analysis and synthesis (Analyse)	2.82
PSO5	Formulate a mathematical model to solve a real life problem (Create)	2.85

Recommendations:

- Workshops or interactive sessions may be organized to give clarity to fundamental concepts
- Problem solving skills may be improved by increasing frequency of study groups where intensive problem solving training may be imparted.



Analysis of PO Attainment

<i>PO No</i>	<i>PO's</i>	<i>PO Attainment Value</i>
PO1	Acquire Domain Knowledge	2.84
PO2	Develop Critical Thinking and Problem-Solving Ability	2.85
PO3	Lifelong Learning Capability in the Socio-Cultural and Technological Sphere	2.84
PO4	Develop Practical Skills in the area of study	2.85
PO5	Enhance Leadership Skills, Technical Expertise and Entrepreneurship Aptitude	2.82
PO6	Develop Communication skills and Interpersonal Skills	2.84
PO7	Create a drive for Social and Scientific Innovation	2.87
PO8	Develop Values and Ethical Outlook for Responsible Citizenship	2.83
PO9	Develop Positive Attitude toward Environmental Sustainability and Inclusive Growth	2.84
PO10	Improve Employability of Students through Application Oriented learning	2.85

Recommendations:

- Interactions with experts in subject areas and Research field may be organized
- Sessions on Career opportunities and interpersonal skill development may be organized
- Frequency of participative teaching learning methods such as peer teaching and student seminars may be increased.

Report Prepared by : Ms. Jyothy Thomas (Program Co-ordinator)

Verified by : Mr. Jerry Joseph (OBE Core Committee Member)



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