

Name of the Program	B.Sc. Physics
Name of the Program Co-ordinator	Dr. Tina Sebastian
Expected Achievement Level for PO, PSO & CO	3

Analysis of CO Attainment			
Course No	Course Code	Course Name	Course Attainment Value
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	PH1CRT01	METHODOLOGY AND PERSPECTIVES OF PHYSICS	3.00
Course 5	MM1CMT01	PARTIAL DIFFERENTIATION, MATRICES, TRIGONOMETRY AND NUMERICAL METHODS	3.00
Course 6	CH1CMT01	BASIC THEORETICAL AND ANALYTICAL CHEMISTRY	3.00
Course 7	PH2CRP01	Mechanics and Properties of Matter	3.00
Course 8	EN2CC03	ISSUES THAT MATTER	3.00
Course 9	EN2CC04	SAVORING THE CLASSICS	3.00
Course 10	ML2CCT02/ HN2CCT02	കവിത/ Short stories and Novel	3.00
Course 11	PH2CRT02	MECHANICS AND PROPERTIES OF MATTER	3.00
	MM2CMT01	INTEGRAL CALCULUS AND DIFFERENTIAL EQUATIONS	
Course 12			2.75
Course 13	CH2CMT02	BASIC ORGANIC CHEMISTRY	3.00
Course 14	CH2CMP01	VOLUMETRIC ANALYSIS	3.00
Course 15	EN3CC05	LITERATURE AND/AS IDENTITY	3.00



	CML3CCT03/	ദൃശ്യകലാസാഹിത്യം/Poetry,Grammar and	
Course 16	HN3CCT03	Translation	3.00
Course 17	PH3CRT03	OPTICS, LASER AND FIBER OPTICS	3.00
	MM3CMT01	VECTOR CALCULUS, ANALYTIC	
Course 18		GEOMETRY AND ABSTRACT ALGEBRA	3.00
Course 19	CH3CMT03	PHYSICAL CHEMISTRY – I	3.00
	PH4CRP02	Core Practical 02:Optics and Semiconductor	
Course 20		Physics	3.00
Course 21	EN4CC06	ILLUMINATIONS	2.75
	ML4CCT04/	മലയാളഗദൃരചനകൾ/ Drama and Long	
Course 22	HN4CCT041	Poem	3.00
Course 23	PH4CRT04	Semiconductor Physics	2.71
	MM4CMT-01	FOURIER SERIES, LAPLACE TRANSFORM	
Course 24		AND COMPLEX ANALYSIS	2.75
Course 25	CH4CMT05	PHYSICAL CHEMISTRY – II	3.00
	CH4CMP02	PHYSICAL CHEMISTRY PRACTICALS	
Course 26			3.00
Course 27	PH5CRT05	ELECTRICITY AND ELECTRODYNAMICS	3.00
Course 28	PH5CRT06	CLASSICAL AND QUANTUM MECHANICS	3.00
	PH5CRT07	DIGITAL ELECTRONICS AND	
		PROGRAMMING	
Course 29			3.00
	PH5CRT08	ENVIRONMENTAL PHYSICS AND HUMAN	
		RIGHTS	
Course 30	DILEO DE 0.1	ODEN COMPGE O. M.;	3.00
Course 31	PH5OPT01	OPEN COURSE:Our Universe	3.00
G 22	PH6CRP03	Core Practical 03: Electricity, Magnetism and	2.00
Course 32	DILCORDOA	LASER Compared to 104 Divide Floridation	3.00
Course 33	PH6CRP04	Core Practical 04:Digital Electronics	3.00
C 2 4	PH6CRP05	Core Practical 05: Thermal Physics, Spectroscopy	2.00
Course 34	PH6CRP06	and C++ Programming	3.00
	PHOCKPUO	Core Practical 06: Acoustics, Photonics and	
		Advanced Semiconductor Physics	
Course 35			3.00
Course 36	PH6CRT09	Thermal and Statistical Physics	2.83
Course 37	PH6CRT10	RELATIVITY AND SPECTROSCOPY	3.00
Course 38	PH6CRT09	Nuclear, Particle Physics and Astrophysics	3.00
Course 36	PH6CRT12	1 vacioni, i article i nysies and Astrophysics	3.00
	111001112	SOLID STATE PHYSICS	
Course 39			3.00



Course 40	PH6CBT05	Astronomy and Astrophysics	3.00
Course 41	PH6PRO01	PROJECT	3.00

Recommendations:

- Additional support to be given for Mathematics paper.
- More problem solving sessions to be conducted in case of core papers.

Analysis of PSO Attainment

PSO No	PSO	PSO Attainment
		Value
PSO1	Discuss the Methodology of Physics and explain the basic	
	principles of general physics. (Understand)	2.97
PSO2	Solve the problems related to general physics using	
	mathematical tools and principles of basic chemistry.	
	(Apply)	2.96
PSO3	Experiment the theories related to basic physics in lab and	
	using computer programming. (Analyze)	3
PSO4	Develop communication skill to improve scientific temper	
	and awareness of environment and human values in society	
	(Apply)	2.97
PSO5	Combine fundamental theoretical concepts and extrapolate	
	the available data to propose and validate new concepts.	
	(Create)	3

Recommendations:

- Problem solving skills may be improved by introducing study groups where intensive problem solving training may be imparted.
- PSO attainment is almost met. Here also the attainment level bench mark criteria may be raised.



Analysis of PO Attainment

PO No	PO's	PO Attainment Value
PO1	Acquire Domain Knowledge	2.98
PO2	Develop Critical Thinking and Problem-Solving Ability	2.97
PO3	Lifelong Learning Capability in the Socio-Cultural and Technological Sphere	2.97
PO4	Develop Practical Skills in the area of study	3.00
PO5	Enhance Leadership Skills, Technical Expertise and Entrepreneurship Aptitude	2.99
PO6	Develop Communication skills and Interpersonal Skills	2.97
PO7	Create a drive for Social and Scientific Innovation	2.99
PO8	Develop Values and Ethical Outlook for Responsible Citizenship	2.97
PO9	Develop Positive Attitude toward Environmental Sustainability and Inclusive Growth	2.97
PO10	Improve Employability of Students through Application Oriented learning	2.98

Recommendations:

• PO's are nearly achieved. Here the attainment level bench mark criteria may be raised.

Report Prepared by : Dr. Tina Sebastian (Program Co-ordinator)

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



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