Name of the Program	**B.Sc Botany**
Name of the Program Co-ordinator	**Ms. Varsha Maria Babu**
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*
Course 2	EN1CC02	PEARLS FROM THE DEEP	*3*
Course 3	ML1CCT01/ HN 1 CCT01	കഥാസാഹിത്യം/ PROSE & ONE ACT PLAYS	*3*
Course 4	*BO1CRT01*	*Methodology of Science and an Introduction to Botany*	*3*
Course 5	*CH1CMT01*	*BASIC THEORETICAL AND ANALYTICAL CHEMISTRY*	*3*
Course 6	*ZY1CMT0I*	*NON CHORDATE DIVERSITY*	*3*
Course 7	EN2CC03	ISSUES THAT MATTER	*3*
Course 8	EN2CC04	SAVORING THE CLASSICS	*3*
Course 9	ML2CCT02/ HN2CCT02	കവിത/ Short stories and Novel	*3*
Course 10	*BO2CRT02*	*Microbiology, Mycology and Plant Pathology*	*3*
Course 11	*CH2CMT02*	BASIC ORGANIC CHEMISTRY	*3*
Course 12	*ZY2CMTO2*	*CHORDATE DIVERSITY*	*3*
Course 13	*BO2CRP01*	PRACTICAL: Methodology of Science and an Introduction to Botany And Microbiology, Mycology and Plant Pathology	*3*
Course 14	*CH2CMP01*	*VOLUMETRIC ANALYSIS*	*3*
Course 15	*ZY2CMP01*	*: NONCHORDATE DIVERSITY & CHORDATE DIVERSITY*	*3*
Course 16	*: EN3CC05*	*LITERATURE AND/AS IDENTITY*	*3*
Course 17	*HN3CCT03*	*POETRY, GRAMMAR & TRANSLATION & ML3CCT03 DRISYAKALASAHITHYAM*	*2.8*
Course 18	*BO3CRT03*	*Phycology and Bryology*	*3*
Course 19	*CH3CMT04*	*: INORGANIC AND ORGANIC CHEMISTRY*	*3*
Course 20	*ZY3CMT03*	*: PHYSIOLOGY AND IMMUNOLOGY*	*3*
Course 21	*EN4CC06*	*ILLUMINATIONS*	*3*

Course 22	HN4CCT04	DRAMA & LONG POEM & ML4CCT04 മലയാള ഗദ്യ രചനകൾ	3
Course 23	BO4CRT04	Pteridology, Gymnosperms and Paleobotany	3
Course 24	CH4CMT06	ADVANCED BIO-ORGANIC CHEMISTRY	3
Course 25	ZY4CMT04	APPLIED ZOOLOGY	3
Course 26	BO4CRP02	Phycology and Bryology &;Pteridology, Gymnosperms and Paleobotany	3
Course 27	CH4CMP03	ORGANIC CHEMISTRY PRACTICALS	3
Course 28	ZY4CMP02	PHYSIOLOGY AND IMMUNOLOGY, APPLIED ZOOLOGY	3
Course 29	BO5CRT05	Anatomy, Reproductive Botany and Micro technique	3
Course 30	BO5CRT06	Research Methodology, Biophysics and Biostatistics	3
Course 31	BO5CRT07	Plant Physiology and Biochemistry	3
Course 32	BO5CRT08	Environmental Science and Human Rights	3
Course 33	BO5OPT01	Open Course: Agri based Micro Enterprises	3
Course 34	BO6CRT09	Genetics, Plant Breeding and Horticulture	2.5
Course 35	BO6CRT10	Cell and Molecular Biology	3
Course 36	BO6CRT1	Angiosperm Morphology, Taxonomy and Economic Botany	3
Course 37	BO6CRT12	Biotechnology and Bioinformatics	3
Course 38	BO6PET02	Programme elective paper: Plant Genetic Resource Management	3
Course 39	BO6CRP03	Anatomy, Reproductive Botany and Micro technique; Genetics, Plant Breeding and Horticulture	3
Course 40	BO6CRP04	Research Methodology, Biophysics and Biostatistics & Angiosperm Morphology, Taxonomy and Economic Botany	3
Course 41	BO6CRP05	Plant Physiology and Biochemistry Cell and Molecular Biology	3
Course 42	BO6CRP06	Environmental Science and Human Rights & Biotechnology and Bioinformatics	3
Course 43	BO6PRT01	Investigatory project work	3

Recommendations:

- Learning outcomes can be enhanced by providing additional support materials and assignments. Peer teaching may be used for improving the performance of students.
- Student cantered learning strategies and feedback oriented valuation techniques are to be adopted

Analysis of PSO Attainment

PSO No	PSO	PSO Attainment Value
PSO1	Discover different branches of Botany such as taxonomy, evolution, ecology, morphology, anatomy, pathology, reproduction, developmental biology, physiology, biochemistry, genetics, biotechnology and molecular biology of various plant-forms.	2.99
PSO2	Illustrate various analytical and technical skills related to plant sciences.	2.99
PSO3	Articulate the concepts in biological and chemical sciences to resolve the societal and environmental issues for sustainable development.	2.99
PSO4	Develop communication skills, practical & entrepreneurial skills in botany.	2.99
PSO5	Analyse any plant form by applying the concepts and techniques of basic science, life science and fundamentals process of plants.	2.99
PSO6	Devise short research projects using various tools and techniques in plant sciences and develop scientific temperament and research attitude.	2.99

Recommendations:

- PSO's are nearly achieved. Here, the attainment level benchmark criteria may be raised.

Analysis of PO Attainment

PO No	PO's	PO Attainment Value
PO1	Acquire Domain Knowledge	2.99
PO2	Develop Critical Thinking and Problem-Solving Ability	2.99
PO3	Lifelong Learning Capability in the Socio-Cultural and Technological Sphere	2.99
PO4	Develop Practical Skills in the area of study	2.99
PO5	Enhance Leadership Skills, Technical Expertise and Entrepreneurship Aptitude	2.99

PO6	Develop Communication skills and Interpersonal Skills	2.99
PO7	Create a drive for Social and Scientific Innovation	2.99
PO8	Develop Values and Ethical Outlook for Responsible Citizenship	2.99
PO9	Develop Positive Attitude toward Environmental Sustainability and Inclusive Growth	2.99
PO10	Improve Employability of Students through Application Oriented learning	2.99

Recommendations:

- Interactive sessions with experts in the field, career orientation sessions and capability enhancement sessions may be given to students
- PO attainment is almost met and hence attainment benchmark may be raised

Report Prepared by : Ms. Varsha Maria Babu (Program Co-ordinator)

Verified by : Dr. Tina Sebastian (OBE Core Committee Member)

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