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| Name of the Program | B.Sc Zoology |
| Name of the Program Co-ordinator | Dr. Arunima 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 |
| Course 2 | EN1CC02 | PEARLS FROM THE DEEP | 3 |
| Course 3 | HN 1CCT01 | PROSE & ONE ACT PLAYS and ML1CCT01 കഥാ നാടകം | 3 |
| Course 4 | ZY1CRT01 | GENERAL PERSPECTIVES IN SCIENCE & PROTISTAN DIVERSITY (Theory) | 3 |
| Course 5 | BO1CMT01 | CRYPTOGAMS, GYMNOSPERMS AND PLANT PATHOLOGY | 3 |
| Course 6 | CH1CMT01 | BASIC THEORETICAL AND ANALYTICAL CHEMISTRY | 3 |
| Course 7 | EN2CC03 | ISSUES THAT MATTER | 3 |
| Course 8 | EN2CC04 | SAVORING THE CLASSICS | 3 |
| Course 9 | HN2CCT02 | SHORT STORIES & NOVEL and ML2CCT02 കവിത | 3 |
| Course 10 | ZY2CRT02 | ANIMAL DIVERSITY - NON CHORDATA | 3 |
| Course 11 | CH2CMT02 | BASIC ORGANIC CHEMISTRY | 3 |
| Course 12 | BO2CMT02 | Plant Physiology | 3 |
| Course 13 | ZY2CRP01 | GENERAL PERSPECTIVES IN SCIENCE, PROTISTAN DIVERSITY ANIMAL DIVERSITY - NON CHORDATA | 3 |
| Course 14 | CH2CMP01 | VOLUMETRIC ANALYSIS | 3 |
| Course 15 | BO2CMP01 | Cryptogams, gymnosperms and plant pathology; Plant Physiology | 3 |
| Course 16 | EN3CC05 | LITERATURE AND/AS IDENTITY | 3 |
| Course 17 | HN3CCT03 ML3CCT03 | POETRY, GRAMMAR & TRANSLATION, ദൃശ്യ കലാ നാടകം | 2.6 |
| Course 18 | ZY3CRT03 | ANIMAL DIVERSITY –CHORDATA | 3 |
| Course 19 | CH3CMT04 | INORGANIC AND ORGANIC CHEMISTRY | 3 |
| Course 20 | BO3CMT03 | Angiosperm Taxonomy & Economic Botany | 3 |
| Course 21 | EN4CC06 | ILLUMINATIONS | 3 |
| Course 22 | HN4CCT04 | DRAMA & LONG POEM and ML4CCT04 മലയാളഗദ്യ രചനകൾ | 2.8 |



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| Course 23 | ZY4CRT04 | RESEARCH METHODOLOGY BIOPHYSICS AND BIOSTATISTICS | 3 |
| Course 24 | BO4CMT04 | Anatomy & Applied Botany | 3 |
| Course 25 | CH4CMT06 | ADVANCED BIO-ORGANIC CHEMISTRY | 3 |
| Course 26 | ZY4CRP02 | ANIMAL DIVERSITY –CHORDATA, RESEARCH METHODOLOGY, BIOPHYSICS; BIOSTATISTICS | 3 |
| Course 27 | CH4CMP03 | ORGANIC CHEMISTRY PRACTICALS | 3 |
| Course 28 | BO4CMP02 | Angiosperm Taxonomy Economic Botany And Anatomy & Applied Botany | 3 |
| Course 29 | ZY5CRT05 | ENVIRONMENTAL BIOLOGY AND HUMAN RIGHTS | 3 |
| Course 30 | ZY5CRT06 | CELL BIOLOGY AND GENETICS | 3 |
| Course 31 | ZY5CRT07 | EVOLUTION, ETHOLOGY & ZOOGEOGRAPHY | 3 |
| Course 32 | ZY5CRT08 | HUMAN PHYSIOLOGY, BIOCHEMISTRY, AND ENDOCRINOLOGY | 3 |
| Course 33 | ZY5OPT02 | OPEN COURSE (FOR OTHER STREAMS; PUBLIC HEALTH AND NUTRITION | 3 |
| Course 34 | ZY6CRT09 | DEVELOPMENTAL BIOLOGY | 3 |
| Course 35 | ZY6RT10 | MICROBIOLOGY AND IMMUNOLOGY | 3 |
| Course 36 | ZY6RT11 | BIOTECHNOLOGY, BIOINFORMATICS AND MOLECULAR BIOLOGY | 2.85 |
| Course 37 | ZY6CRT12 | OCCUPATIONAL ZOOLOGY | 3 |
| Course 38 | ZY6CRP03 | ENVIRONMENTAL BIOLOGY AND TOXICOLOGY & CELL BIOLOGY AND GENETICS | 3 |
| Course 39 | ZY6CRP04 | EVOLUTION, ETHOLOGY AND ZOOGEOGRAPHY & BIOCHEMISTRY HUMAN PHYSIOLOGY AND ENDOCRINOLOGY1 | 3 |
| Course 40 | ZY6CRP05 | DEVELOPMENTAL BIOLOGY & MICROBIOLOGY AND IMMUNOLOGY | 3 |
| Course 41 | ZY6CRP06 | BIOTECHNOLOGY, BIOINFORMATICS AND MOLECULAR BIOLOGY AND OCCUPATIONAL ZOOLOGY | 3 |
| Course 42 | ZY6CRPRP | PROJECT WORK | 3 |

Recommendations:

- Additional support should be given to students who have difficulty in attaining CO's of language courses such as HN3CCT03.
- Attainment of the courses Biotechnology, Bioinformatics and Molecular biology can be improved by giving additional assignments and group works



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Analysis of PSO Attainment

| <i>PSO No</i> | <i>PSO</i> | <i>PSO Attainment Value</i> |
|---------------|---|-----------------------------|
| PSO1 | Classify different levels of biological diversity (Understand) | 2.99 |
| PSO2 | Explain how organisms function at the level of the gene, genome, cell, tissue, organ and organ-system.(Analyse) | 2.99 |
| PSO3 | Apply the knowledge acquired for practical/commercial applications (Apply) | 2.98 |
| PSO4 | Discover research problems and apply scientific methods to solve them.(Apply) | 2.99 |
| PSO5 | Articulate ideas cogently using acquired language skills (Apply) | 2.98 |
| PSO6 | Evaluate contemporary human rights and ecological issues (Analyse) | 2.97 |

Recommendations:

- Basic concepts to be communicated more effectively and the understanding level to be checked by repeated tests, quizzes and assignments
- seminars and group discussions are to be provided to improve the subject knowledge.
- Including more practical sessions may help to improve the practical skills.

Analysis of PO Attainment

| <i>PO No</i> | <i>PO's</i> | <i>PO Attainment Value</i> |
|--------------|---|----------------------------|
| PO1 | Acquire Domain Knowledge | 2.98 |
| PO2 | Develop Critical Thinking and Problem-Solving Ability | 2.98 |
| PO3 | Lifelong Learning Capability in the Socio-Cultural and Technological Sphere | 2.98 |



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| PO4 | Develop Practical Skills in the area of study | 2.98 |
| PO5 | Enhance Leadership Skills, Technical Expertise and Entrepreneurship Aptitude | 2.98 |
| PO6 | Develop Communication skills and Interpersonal Skills | 2.98 |
| PO7 | Create a drive for Social and Scientific Innovation | 2.98 |
| PO8 | Develop Values and Ethical Outlook for Responsible Citizenship | 2.98 |
| PO9 | Develop Positive Attitude toward Environmental Sustainability and Inclusive Growth | 2.98 |
| PO10 | Improve Employability of Students through Application Oriented learning | 2.98 |

Recommendations:

- Sessions to improve communication skills such as group discussion and idea presentation may be organized
- To develop scientific attitude among students , they should be made to practice and observe science.
- Continuous follow up and feedback can result in an improvement in the outcome attainment.

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

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



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