

MSC ENVIRONMENTAL SCIENCE PROGRAMME
SCHEME OF LEARNING AND EVALUATION
(For the students admitted in the academic year 2025 – 2026 & onwards)
Outcome Based Curriculum Framework with CBCS

Course Code	Course Title	Course Category	Course Type	Part Type	Lecture Hours	Tutorial Hours	Practical Hours	Course Credits	Max CA Marks	Max CE Marks	Total Marks
Semester - I											
25ESP101	Ecology And Sustainable Development	Core	Theory	3	4	1	0	4	25	75	100
25ESP102	Air Pollution And Management	Core	Theory	3	4	1	0	4	25	75	100
25ESP103	Essentials Of Energy And Environment	Core	Theory	3	4	1	0	4	25	75	100
25ESP104	Environmental Toxicology And Health	Core	Theory	3	4	1	0	4	25	75	100
25ESP105	Instrumentation Methods For Environmental Samples	Core	Theory	3	4	1	0	4	25	75	100
25ESP106	Ecology and Air Quality Monitoring Practical -I (Skill Based)	Core	Practical	3	0	0	5	2	40	60	100
Semester - II											
25ESP207	Water Pollution and Management	Core	Theory	3	3	1	0	4	25	75	100
25ESP208	Soil Pollution and Management	Core	Theory	3	3	1	0	4	25	75	100
25ESP209	Environmental Management System	Core	Theory	3	3	1	0	4	25	75	100
25ESP210	Integrated Waste Management	Core	Theory	3	3	1	0	4	25	75	100
25ESP211	Environmental Biotechnology and Nano Technology	Core	Theory	3	3	1	0	3	100	0	100
25ESP212	Water and Wastewater Analysis Practical - II (Skill Based)	Core	Practical	3	0	0	4	2	40	60	100
25ESP213	Based)	Core	Practical	3	0	0	4	2	40	60	100
25SECP201	Skill Enhancement Course: Cyber Security	Core	Theory	3	2	0	0	2	100	0	100
Semester - III											
25ESP314	Industrial Process And Environmental Safety	Core	Theory	3	3	1	0	4	25	75	100
25ESP315	Climate Changes And Management	Core	Theory	3	3	1	0	4	25	75	100
25ESP316	Remote Sensing And Gis In Environmental Management	Core	Theory	3	3	1	0	4	25	75	100
25ESP317A	Major Elective Course I Environmental Engineering	Elective	Theory	3	4	1	0	5	25	75	100
25ESP317B	Major Elective Course I industrial Hazards And Management	Elective	Theory	3	4	1	0	5	25	75	100
25ESP318	Research Methodology And Ipr For Environmental Science	Core	Theory	3	2	0	0	2	100	0	100

25ESP319	Environmental Engineering, Biological And Statistical Analysis, Practical - IV(Skill Based)	Core	Practical	3	0	0	3	2	40	60	100
25ESP320	Remote Sensing And Gis In Environmental Management Practical -V(Skill Based)	Core	Practical	3	0	0	3	2	40	60	100
25IDCESP	Inter Disciplinary Course : Essentials Of Environmental Pollution (Theory)	Elective	Theory	3	3	0	0	2	25	75	100
25IDCESP	Inter Disciplinary Course : Essentials Of Environmental Pollution (Practical)	Elective	Practical	3	0	0	2	2	40	60	100
Semester - IV											
25ESP423	Environmental Law Regulation	Core	Theory	3	5	1	0	5	25	75	100
25ESP424A	Major Elective Course - II Occupational Health and Safety	Elective	Theory	3	5	1	0	5	25	75	100
25ESP424B	Major Elective Course - II Safety in Industries	Elective	Theory	3	5	1	0	5	25	75	100
25ESP425	Internship and Field / Industrial Visit	Core	Training	3	0	0	0	2	40	60	100
25ESP426	Project/Innovation/Start-Up	Core	Project	3	0	0	0	6	80	120	200