

Four-year Undergraduate Programme
Subject: Botany
Semester: First
Course Name: *Plant and Microbial Diversity*
Existing Base Syllabus: UG CBCS Syllabus
Course Level: 100-199, and subsequent level as per NEP structure

THEORY [Total marks: 60] Credit: 03; Total No. of classes: 45			
Unit no.	Unit content	Course outcome	Bloom's Taxonomic Level Achieved
Unit 1	Origin of life	<ul style="list-style-type: none"> Students will gain knowledge with the concept of different kingdoms and the theories behind how life began. Students will understand the characteristics, distribution, classification, reproduction, and current status of various microbial and plant communities. Students will attain a good understanding of virus, algae, fungus, bryophyte, and pteridophyte cell structures, dicotyledonous and monocotyledonous leaf venation patterns, and inflorescence and fruit features. Students will be able to identify various groups of organisms in the laboratory through morphological analysis. 	<ul style="list-style-type: none"> Remember Understand Apply Analyze Evaluate
Unit 2	Bacteria and Viruses		
Unit 3	Algae		
Unit 4	Fungi & Lichens		
Unit 5	Bryophytes and Pteridophytes		
Unit 6	Gymnosperms and Angiosperms		