No.	. Course Information	
1.	Unit name:	Plant Biotechnology
2.	Code:	BioT 41062
3.	Classification:	Core subject
4.	Credit value:	3.5
5.	Semester/Year Offered:	1/4
6.	Pre-requisite:	BioT 21061& BioT 22061
7.	Mode of delivery:	Presentations, Lectures
8.	Assessment system and breakdown of marks:	Practical
	Tutorial	20%
	Mid-term exam	40%
	Final exam	40%
9.	Academic staff teaching unit:	Department of Biotechnology
10.	 After completion of this course, students will be able to Understand the basic knowledge of plant biotechnology Examine the relationship between science and biotechnology to select the nutrition and media used in plant tissue culture to define the tissue culture and plant tissue culture to know about the protoplast culture to understand the transgenic plants to apply the plant tissue culture 	
11.	Synopsis of unit: The plant biotechnology is the application of biotechnology for rapid multiplication, to mass production, (true-to-type) plant of uniform, for genetic improvement, to shorten the bearing maturity period. In grow-out culture system, plant sample and media preparation are very important. Plant biotechnology is used to produce the commercial products to the plant breeder.	
12.	 Topics Requirements for tissue culture facility Nutrition, Media and Characteristics of Plant Cell and tissue cultures Production of Isogenenic lines; Basic technical Aspects of Andogenesis 	
13.	 Main reference: Plant Biotechnology; Gamborg. O. L, Nutrition, media and characteristics of plant cell and tissue culture 	
14.	 Additional references: Plant Biotechnology; Street, H.E. (ed), In "Plant Tissue and Cell Culture", Blackwell Scientific Publ., London(1973) 	