



Indraprastha College for Women

University of Delhi

Course Name:	VCDN-B
Paper Title:	Viewing and Capturing Diversity in Nature
Unique Paper Code:	2186000005
Semester:	III
Faculty(s):	Viniti Nagar
Year:	2024

Work Plan				
Period	Unit No.	Learning Objective	Topics to be Covered	
1 st Aug -3 rd Aug	I	Understand fundamentals of digital cameras and smartphone photography technology.	Parts of a digital camera.	
5 th Aug-10 th Aug	II		Principle of digital camera/ smartphone camera.	
12 th Aug-17 th Aug			Working of digital camera/ smartphone camera.	
19 th Aug-24 th Aug	III		Working and handling of light microscopes (dissection and Compound).	
26 th Aug-31 st Aug	IV	Enhance appreciation for the tremendous aesthetics inherent in nature	Study of plant forms through microscopic lens (Single-celled, colonial forms, filamentous forms, multicellular and complex forms).	
2 nd Sep-7 th Sep	V		To study techniques of capturing shots (using light and lenses effectively, macro and micro photography, wide angle and close-ups).	
9 th Sep-14 th Sep			Study of plant adaptations through photographs (aquatic and desert plants).	
16 th Sep-21 st Sep	VI			
23 rd Sep-28 th Sep			To capture and understand the Ecological Interactions.	
30 th Sep-5 th Oct	VII			
7 th Oct-12 th Oct				
14 th Oct-19 th Oct	VIII		Identification of different plant life forms through online available tools/search engines.	
21 st Oct-26 th Oct	IX		Understand the importance and use of Nature photography in business and as career goal.	Outdoor/Campus Photography : Plants, Environment, Landscape and Cityscape.
28 th Oct-2 nd Nov				MID SEMESTER BREAK
4 th Nov-9 th Nov	X		Foldscope: The domestic microscope. Use the foldscope	

			to explore microscopic organisms in pond water.
11 th Nov-16 th Nov	XI		Project Work : To make a portfolio of diverse landscaping patterns/ selected themes through outdoor visits.
18 th Nov-23 rd Nov			Revision
25 th Nov-27 th Nov			Assessment
28 th Nov	DISBERSAL OF CLASSES		

Unit	TOPICS
I	To study the parts of a digital camera.
II	To study the principle and working of digital camera/ smartphone camera.
III	Working and handling of light microscopes (dissection and Compound).
IV	Study of plant forms through microscopic lens (Single-celled, colonial forms, filamentous forms, multicellular and complex forms).
V	To study techniques of capturing shots (using light and lenses effectively, macro and micro photography, wide angle and close-ups).
VI	Study of plant adaptations through photographs (aquatic and desert plants).
VII	To capture and understand the Ecological Interactions.
VIII	Identification of different plant life forms through online available tools/search engines.
IX	Outdoor/Campus Photography : Plants, Environment, Landscape and Cityscape.
X	Foldscope: The domestic microscope. Use the foldscope to explore microscopic organisms in pond water.
XI	Project Work : To make a portfolio of diverse landscaping patterns/ selected themes through outdoor visits.

S. No.	Name of Authors/Books/Publishers
1.	P.D. Sharma, Ecology and Environment, Rastogi Publisher.