## MIT WORLD PEACE UNIVERSITY

Basics of Civil Engineering First Year B. Tech, Trimester 3 Academic Year 2021-22

## INTRODUCTION TO PHOTOGRAMMETRY AND DRONE SURVEY

## EXPERIMENT 7

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	BCE : Experiment 7				
	Afm:				
	To study the mirror sterioscope  De To determine the air born distance				
	for the given ariel photographs				
$\Theta$	Interments Required:				
→ → → →	Missor sterios protographs  china glass  peniul  plate etc.				
*	Procedure:				
£	To Study the minor sterioscope				
	The sterioscopic function is facilitated by  the use of sterioscopis. The principle function  of sterioscopie is to automodate a wide stage  separation of the point in the fift and eight  photograph, to the fined length of the  eye base.				
<i>&gt;</i>	In missor stuissage 2 mirrour au und.				
	The areal photographs are also called sterio- grams. Mark certal point at intersection of Straight lines connecting fudicial flame work.				
4	-Non-				

		the control of the state of the				
$\rightarrow$	Now plan both the photographs below  Sterioscope is the direction of flight.  Both photos are now shifted and roung until marked objects in the 2 objects appear to be one and on line parallel to base. In other words photographs are shifted and swang until 20 view is obtained. This is called as Fusing' the photographs.  Scale: (: 10000					
$\rightarrow$						
	P = Principle point of left photograph  P = Principle point of right photograph  P = Transferred principle point of left  photograph.  P2 = Transferred principle point of light  photograph.					
(A)	Observation Table:					
	observed Photo Base photograph Distance (1) NO. P1 P2'	Photo Base Distance C	) Mean	Scale	Air Ban Distance	
	5.5	5.6	5.55	1: 10000	5.5	
	3 8.4	7.8	7.65	1:10000	7.65	
			- 1			

Rainbow