Lesson Plan for Teaching with Visualization (Video/Animation)

Name of the Course : 19UCE403-STRENGTH OF MATERIALS

Name of the Course Instructor(s): Mrs.P.Anitha, Mrs.A.Subalakshmi

Class : IV Semester Civil A,B

Step 1	Topic	stress strain behaviour of structural elements				
	URL of the Video	1. https://www.youtube.com/watch?v=fMslltk1nt4 2. https://www.youtube.com/watch?v=aQf6Q8t1FQE				
	Course/Learning					
	Outcome Addressed	Realize the state of stresses and strains in structural components under tension, compression and shear.(Understand) 40 mins.				
	Total Lesson Time					
	Type of Activity	Individual/Group/Both				
Step 2	In Class Activity	What the Course Instructor Does	What student Does			
		Play the visualization & Explains to Students	Listens & Watches			
	Paste a Screen Shot					
	Stress Proportional Cimpl Strain The increase of stress to the point of the point	int B, the strain also increased	NORMAL STRESS $\sigma = \frac{F}{A}$ normal stress $\frac{F}{A}$ The bar will fall when the stress within it exceeds the strength of the material.			

Course Instructor HOD/Civil

Ms.P.Anitha AP/civil

Mrs.A.Subalakshmi AP/civil Dr.B.Jeyaprabha