

Prof Incharge: Sushantha, IIT Kgp

Topic name: Influence Line Diagram

Relevant name: Civil

TOPIC OUTLINE:

Concept, Importance and Methodology of Construction of Influence Line, Simple Examples involving Statically Determinate Beams and Trusses for Reaction, Bending Moment, Shear, Muller-Breslau Principle- application to statically determinate and indeterminate structures, System of Wheel Loads, Maximum Bending and Shear, System of Wheel loads continued for complicated problems, Muller-Breslau Principle for Statically Indeterminate Structures, Closure with discussion of applications to complicated problems