SANDIP FOUNDATION'S

SANDIP POLYTECHNIC, NASHIK

DEPARTMENT OF CIVIL ENGINEERING

Name of Project: Rotating Span Bridge

Description:

This project deals with the basic concept and steps involved within the design an analysis of Swing Bridge there are different types of moveable bridges use worldwide in the field of broche. Construction. An advantage of making bridges moveable is the lower cost, due to the absence of high piers and long approaches. The principal disadvantage is that the traffic on the bridge must be halted when it is opened for passage of traffic on the waterway. For seldom-used railroad bridges over busy channels, the bridge may be left open and then closed for train passages. For small bridges, bridge movement may be enabled without the need for an engine. Some bridges are operated by the users, especially those with a boat, others by a bridge man (or bridge tender); a few are remotely controlled using video-cameras and loudspeakers. Generally, the bridges are powered by electric motors, whether operating winches, gearing, or hydraulic pistons. While moveable bridges in their entirety may be quite long, the length of the moveable portion is restricted by engineering and cost considerations to a few hundred feet.

Group Members :

1. Rahul Yadav
2. Ketan Potale
3. Lokesh Ingole
4. Fahhem Khoja

Awards/Recognition: 2nd Price in IEI project competition

Photographs: