SYSTEM STUDY

Limitations

* Not being aware of the safety of the structure.
* No monitoring system to ensure safety.
* Lack of sensor technology
* Lack of real time monitoring system.
* Unnecessary occurrences of accidents
* All labour works ending in failure

Features of Proposed System

* Being aware of bridge conditions may lead to less accidents
* A real time monitoring system
* Uses different types of sensor technology
* Able to reduce accidents related to weather conditions
* IoT based monitoring system
  1. **HARDWARE REQUIREMENTS**

Sensors : Vibration, Loadcell, soghe Waterlevel, ultrasonic ,accelerometer

Display : LCD

Microcontroller : ESP8266

Others: Servo motor

* 1. **SOFTWARE REQUIREMENTS**

Operating System : Windows 10

Language : Embedded C

RDBMS : Dataset