

## **Scour Pattern study for various pier configurations under variable rainfall and flood conditions.**

**Guiding Faculty Name: Dr. L. S. Thakur**

**Name of Students**

- 1. Pandey Aakash Shivbhushan**
- 2. Chaudhari Piyush Dhanrajbhai**
- 3. Bhatt Nidhi Ketan**
- 4. Patel Hinali Sanjaybhai**

Bridge Scour is a major cause of bridge failures and has emerged as a significant concern for bridge engineers. Profilometer is a device used to measure surface roughness and gives difference between high and low point of surface. Thus, such a device is needed for measuring the scour but due to its high cost most engineers avoids its use. Hence, a device measuring pier scour alongwith being cost efficient is needed, so that it is convenient for all the engineers.