Project Idea Submission Form

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| Student Ids (In ascending order) |
| 1405013  1405015 |
| Project Name |
| Automatic Floodgate Control & Flood Detection |
| Brief Project Description |
| 1. Detection of water level using water level sensors  2. Controlling floodgate depending on water level  3. Use of alarm for when water level reaches danger point  4. Calculating increase or decrease rate of water level  5. Use of GPS to make a central detection system for issuing warning |
| Input of your system |
| 1. Water Level  2. GPS Input |
| Output of your system |
| 1. Display water level on LCD monitor  2. Trigger alarm if water level reaches danger point  3. GPS locations |
| List of sensors Used |
| 1. Liquid Level Sensor/ Pressure Sensor  2. GPS |
| List of Actuators Used |
| 1. Floodgate |
| Outcome of your project |
| Low cost flood detection system, automated floodgate control.  GPS can be used to develop a central system which will allow efficient dam management. |