**Birla Institute of Technology & Science – Pilani**

**Hyderabad Campus**

**1st Semester 2014-15**

**Software for Embedded systems (CS F424/Cs G523)**

**Assignment-2**

Date of posting: 26th Aug 2014 Last date of submission: 8th Sept 2014 Weightage: 10 marks

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**Please note:**

1. This is a team wise activity. Take up different roles within your team. (ex: client/business /product manager..)
2. Pick up one problem and write detailed use cases hierarchically to a good granular level.
3. Derive detailed specifications.
4. Plagiarism deserves high penalty.

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1. GoI wants to take up a massive project to clean ganga river. They want a system to monitor the pollution levels and identify the sources of pollution across all its tributaries and main river from its origin to sea.
2. A hospital needs an elegant wheel chair for physical challenged.
3. BITS campus needs an unmanned mini vehicle which can pickup and drop people across the campus.
4. BITS campus needs an unmanned security gate emulating all the functionality of a manned system.
5. Railways are looking for a system to manage unmanned level crossing emulating the same functionality as a manned level crossing.