

College Logo

Project proposal for Texas Instruments Innovation Challenge India Design Contest 2015

**Project Domain – Industrial Automation, Automotive, Renewable Energy/Power, Safety & Security, Wireless, Automation, Medical/Assistive Technologies**

Project Title

**College Name**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | College ID/Roll No. | UG/PG | Course/Branch | Semester |
| Student 1 |  |  |  |  |
| Student 2 |  |  |  |  |
| Student 3 |  |  |  |  |
| Student 4 |  |  |  |  |
| Student 5 |  |  |  |  |

Mentored by

<Mentor Name>

<Designation>

<Department>

<College Name>

<College Address>

*Note: Suggested Length of project proposal – 6 pages*

## Abstract

Provide an abstract about 100 to 150 words summarizing your project proposal

Keywords—MSP430; C2000; Signal Processing

## Market Analysis

A detailed study about the problem being addressed which covers the total addressable market, serviceable addressable market, study of existing solution and opportunities for enhancing/improving the solution, ease of adoption of proposed solution, cost etc. Highlight how the proposed solution will CHANGE the world/respective industry. Support your analysis with graphs, illustrations and quantitative data from different sources

## Project Description

* explain the intention/objective of your project in relation with Market Study
* Proposed Solution
  + Circuit
  + Simulation results to support viability of the solution
  + WEBENCH based design report (BONUS)
  + Include block diagrams  with explanation for each sub-system
  + Details of any software component in the project
* Project Execution Plan
  + how to you intend to take it from ***proposal to prototype***
  + Things to consider in taking it to ***prototype to product***

## TI Content

List all the TI Parts to be used in the various subsystems of the proposed solution

|  |  |
| --- | --- |
| TI Part  (link all the parts to their respective product page on the TI website) | Usage/Advantage |
| eg – L293D | To drive the motors controlling the robotic arm |
| Part 2 |  |
| Part 3 |  |
| Part 4 |  |
| Part 5 |  |

**Bill of Materials**

|  |  |  |  |
| --- | --- | --- | --- |
| Part | Function | Estimated Quantity | Estimated cost |
| eg – GSM Module | To communicate to user’s cellphone |  |  |
| Part 2 |  |  |  |
| Part 3 |  |  |  |
| Part 4 |  |  |  |
| Part 5 |  |  |  |

**Conclusion**

Summarize the problem being addressed, your proposed solution bringing out the innovation and the IMPACT factor

**List of References**

All publications, technical reports or other past works your project is based on

**List of supporting documents**