# Abstract proposal for

# TOPBOT

# Aparoksha 2017

# Indian Institute of Information Technology Allahabad

# JARVIS

**<Name of the College>**

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

\*Team size can be from 2 to 3 student members

# Mandatory Supporting Document [to be added along with proposal]

* Teams to provide a scanned copy of the college ID of all the team members, **OR**,
* A scanned copy of the letter from College duly signed and sealed by HOD/Faculty Mentor identifying all team members as students of the college
* *Note:*
  1. *Suggested Length of project proposal – 6-7 pages*
  2. *Teams to ensure that the information provided is not plagiarized and all sources are acknowledged in the proposal.*

# Problem statement for JARVIS

Make a line follower robot that will be autonomous and your task is to complete the run over the given track in minimum time, scoring maximum points and avoiding all penalties. Your robot will be autonomous i.e you can’t control it by remote or any other means once it enters the track.

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**Design Abstract**

Teams must provide an abstract about 100 to 150 words summarizing your approach to solve the given problem.

<include ***Keywords*** *5-6>*

**Team Members – Roles and Responsibilities**

Teams must share the list of all members and explain their role and skills and assign tasks according to their expertise and skills.

|  |  |  |  |
| --- | --- | --- | --- |
| S.No. | Name | Role assigned | Justification |
|  | **Student 1** |  |  |
|  | **Student 2** |  |  |
|  | **Student 3\*** |  |  |

**Proposed Design**

1. **Block Diagram**

A clear block diagram highlighting all the subsystems and supported with a detailed explanation for each block/subsystem.

Teams to share all relevant circuit diagrams

1. **Components used**

List all the parts and components used in the designing

List the parts given on the website from our sponsor **electronicscomp.com**

List the parts used by you (i.e. parts not from our sponsors. You are free to use any part(s) not mentioned on the website). **However you must use at least 5 components/parts from our sponsor.**

1. Parts used, mentioned on our website (from our sponsor)

Provide a hyperlink on the name of the component to the part mentioned on [**electronicscomp.com**](http://www.electronicscomp.com)

|  |  |  |
| --- | --- | --- |
| S.No. | Component (name/specification) | How it is being used in your design |
| 1 | E.g. L293D |  |
| 2 |  |  |
| 3 |  |  |
| 4 |  |  |
| 5 |  |  |
| 6 |  |  |

1. Parts used (not from our sponsor)

|  |  |  |
| --- | --- | --- |
| S.No. | Component (name/specification) | How it is being used in your design |
| 1 | E.g. L293D |  |
| 2 |  |  |
| 3 |  |  |
| 4 |  |  |
| 5 |  |  |
| 6 |  |  |

**What makes your design more innovative?**

Teams have to explain the uniqueness/differentiation of their proposed solution with respect to the existing competition in the current scenario. Teams can differentiate their proposed solution on the following vectors – size, power, performance, cost, functionality & others as applicable.

**What makes your design different from others?**

How do you think your proposed design will stand out from other designs?