

**FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING**

**Fr. Agnel Ashram, Bandstand, Bandra (W), Mumbai-400 050**

**SPONSORSHIP PROPOSAL 2016-17**

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| **TEAM NAME** | Robocon CRCE |
| **TEAM LEADER** | Melnita Dabre |
| **TEAM MEMBERS** | |  |  |  |  | | --- | --- | --- | --- | | No | Designation | Name of Student | Discipline/Year | | 1 | Team Leader | Ms. Melnita Dabre | B.E.-Info. Tech. | | 2 | Automatic Opr | Mr. Rahul Ahir | T.E.-Production | | 3 | Manual Opr | Mr. Mustafa Painter | B.E.-Production | | 4 | Pit Crew 1 | Mr. Jonathan Pereira | T.E.-Electronics | | 5 | Pit Crew 2 | Mr. Winston Sulvai | S.E.-Electronics | | 6 | Pit Crew 3 | Mr. Aziz Jalal | S.E.-Production | | 7 | Team member | Mr. Tanish Pradhan | T.E.-Production | | 8 | Team member | Mr. Prateek Chauhan | T.E.-Computer | | 9 | Team member | Mr. Praveen Samvel | B.E.-Electronics | | 10 | Team member | Mr. Rajeev Ravindran | B.E.-Electronics | | 11 | Team member | Mr. Manish Jadhav | B.E.-Electronics | | 12 | Team member | Ms. Rachel Joseph | T.E.-Electronics | | 13 | Team member | Mr. Rohit Sharma | T.E.-Computer | | 14 | Team member | Mr. Ashutosh Anand | S.E.-Electronics | | 15 | Team member | Mr. Shane Thomas | S.E.-Electronics | | 16 | Team member | Mr. Viraj Salvi | B.E.-Electronics | | 17 | Team member | Mr. Manoj Bhul | S.E.-Production | | 18 | Team member | Mr. Vijay Tiwari | S.E.-Production | | 19 | Team member | Mr. Mathews Abnes | S.E.-Production | | 20 | Team member | Mr. Abimon Bhasi | S.E.-Production | | 21 | Team member | Mr. Adit Makwana | B.E.-Production | | 22 | Team member | Mr. Brijesh Soni | T.E.-Production | | 23 | Team member | Mr. Aditya Jadhav | T.E.-Electronics | | 24 | Team member | Mr. Edwin Clement | S.E.-Computer | | 25 | Team member | Mr. Samson Anto | S.E.-Computer | | 26 | Team member | Ms. Ruchita Rozario | T.E.-Computer | | 27 | Team member | Mr. Basil D’mello | B.E.-Electronics | |
| **NAME OF COMPETITION** | National Robocon 2017 India |
| **PROBLEM STATEMENT** | Theme: Asobi : The Landing Disc  Landing discs on platforms using manually controlled robots.  A flying disc is to be used in the contest. A team uses fifty (50) in each game. On the field are seven (7) with different heights and areas. In the center of each is a hole with a diameter of 150mm. At the start of the match, a beach ball rests on each. The objective of the game is to land a disc on all 7 platforms before the opponent. |
| **PROJECT DETAILS (IMPLEMENTATION)** | Launching Mechanisms to launch discs that achieve a range of 8 meters and a robust control system to adjust launch height and angle of the launching mechanism. |
| **ACHIEVEMENTS** | Ranked 26th in 2013,  22nd in 2014,  26th in 2015  and 21st in 2016. |

**LIST OF SPONSORS**

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| --- | --- |
| **NAME OF COMPANY & DETAILS** | **AMOUNT** |
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**NON-MONETARY SPONSORSHIP (IF ANY)**

None.

**REUSABILITY OF PREVIOUS YEARS MATERIALS**

**(Testing Purpose)**

Wheels, Motors and Motors Drivers.

Controllers, Connectors and encoders.

**CURRENT PROGRESS**

Two Types of launching mechanism tested.

Encoded PID Drive.

**EXPENDITURE REPORT**

**PROPOSED BUDGET:**

(Please attach a detailed list of the expenses incurred)

|  |  |
| --- | --- |
| **MATERIAL/COMPONENT** | **COST** |
| Motors & Motor Drivers | **36,000 + 10,000** |
| Sensors & Encoders | **30,000** |
| Fabrication & Materials | **50,000** |
| PCB & Electronic Components | **7,500** |
| Batteries | **20,000** |
| Pneumatics & Valves | **5,000** |
| Total | **1,58,500** |

**ANY OTHER EXPENSES**

|  |  |
| --- | --- |
| **DETAILS** | **COST** |
| Transportation | **5,000** |
| Arena | **15,000** |
| Total | **20,000** |

**TOTAL EXPENSES INCURRED: 1, 78,500**

**EXPECTED EXPENDITURE TILL THE END OF THE PROJECT**

(Include the list of components/materials needed and their cost as well as any other expenses)

|  |  |
| --- | --- |
| Robot Prototype Fabrication | **8,000** |
| Electronic Connectors & Wires | **500** |
| Stationery | **3,000** |
| Screws, Nuts & Bolts | **7,000** |
| Plywood | **4,000** |
| Tools | **10,000** |
| Pulleys and Wheels | **17,500** |
| Total | **50,000** |

**TOTAL PROJECT EXPENSE: 2, 28,500**