



Somaiya Vidyavihar

K J Somaiya College of Engineering

(An Autonomous Un-aided Institute - Affiliated to University of Mumbai & Approved by AICTE)



Redshift Racing Team

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Activity Report 2016-17

Car Name: Yudhaan 1.0

Summary of the competitions participated:

Competitions:

- Enduro Student India - Jan 2017
- BAJA SAE India, Indore - Feb 2017

Achievements:

1. Enduro Student India, Jan 2017 :
 - 8th in Cost Evaluation
 - 16th in Sales Presentation
 - 21st in Design Evaluation
 - 12th in Acceleration Run
 - 21st In Sprit Race
2. BAJA SAE INDIA, Feb 2017:
 - 1st Team to clear the Technical Inspection out of 180 teams
 - 3rd in Business Plan Presentation
 - 14th in Manuverability
 - 15th in Acceleration Run
 - 9th in Endurance Race
 - 11th Overall in India
 - 1st Overall in Mumbai

Budget Allotted: 3 Lac



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Begining of the new academic year started with new enthusiasm from the aspiring engineers. Here are the activites covered in the year 2016-17

Activities from May 2016 to December 2016

1. Sponsor's Meet was conducted to aknowledge all the efforts made by the team. The smallest contribution of the sponspoeres made an idea come to reality.

The event was followed by showcasing the ATVs ability by driving it up the stairs of A buildings campus.The whole event was covered by media such as Dna newspaper,Gujarat Samachar etc.

This was conducted in the month of May,2016

2. The team was invited to DNA Autoshow held from 28th-29th May 2016 at CIDCO Exhibition Centre, Vashi where it our project was discussed with many aspiring individuals from various institution such as universities and industries



3. Later the team registered for BAJA SAE India,2017 and Enduro Student India,2017. The registrations were done in the month of June 2016
4. The team went on for the Virtual's Round of BAJA SAE India 2017, held at Chitrakat University in Chandigarh from 24th and 25th July 2016. The team successfully completed the virtuals to secure its place in the main event to be held in Pithampur,Indore
5. The team started its first crowdfunding campaign for the year 2016-17 by partnering with ketto.org and was a great milestone achieved wiith the support shown by the teams famiy,friends and those who believed in the team's vision

6. On 4th September 2016, Redshift Racing India in association with Atul Ltd. Organised an orientation for the ATV enthusiasts interested in off-road racing which turned out to be a huge success.
7. October was a month for full fledged manufacturing of the ATV, while in the month of November and December total testing Yudhaan was done to make sure of its durability, endurance, and help us understand the difficulties to be overcome.

Activities from January 2017- May 2017

1. Start of January marked with the start of Enduro Student India 2017 held in Coimbatore from 4th January 2017 to 8th January 2017



Day 1 concluded with the team registrations being done and preparing the vehicle for technical inspection for Day 2

Day 2 turned out to be successful with the completion of Technical Inspection, Brake Test, Engine Check and Weight Check (159.1kg)

Day 3 ended up with the Sprint, Rock Crawl, and Endurance simultaneously finishing up with the Static events

Results:

- 16th in Sales Presentation
- 21st in Design Evaluation
- 12th in Acceleration Run
- 21st In Sprint Race

2. The team learning lessons from the previous event made the necessary optimization for the Baja SAE 2017 Event held in NATRIP Ground Pithampur Indore from 15th February 2017 to 18th February 2017

Day 1 began with the registrations of the team and making its first attempt for the technical inspection and clearing the same



Day 2 marked the day with clearing brake test and acceleration and also by successful presentation of Design and Cost Reports

Day 3 ended with attempting Dynamic events like Suspension and Traction, Sled Pull and Maneuverability



Day 4 started with lining up and getting the vehicle ready for Endurance Event of 4 hours. It was successful with completion and minor breakdowns bagging the team 9th place in the endurance run

Results:

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- 3rd in Business Plan Presentation
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Team Details

Sr.No	Member Name	Post
1	Harsh Jain	Captain
2	Hrisheekesh Patil	Technical Co-ordinator
3	Kushal Visaria	Suspension
4	Abhishek Shah	Suspension
5	Aditya Purohit	Suspension
6	Smit Patel	Suspension
7	Rahul Sawant	Suspension
8	Pranav Kunte	Suspension
9	Amit Petare	Suspension
10	Jalpesh Bhadra	Steering
11	Siddhesh Khaire	Steering
12	Pranav Pai	Transmission
13	Rajat Tank	Transmission
14	Rahul Khankar	Transmission
15	Karan Mehta	Transmission

16	Yash Bhatt	Transmission
17	Shithija Shetty	Transmission
18	Abhinav Kshirsagar	Transmission
19	Rahil Shah	Brakes
20	Dnyanesh Mahajan	Brakes
21	Shikin Shetty	Brakes
22	Ashish Maurya	Brakes
23	Mihir Patil	Brakes
24	Neha Kesarkar	Brakes
25	Chaitanya Sheth	Brakes
26	Gopesh Chilveri	Chassis
27	Dhairya Mehta	Chassis
28	Ronak Vikam	Chassis
29	Umang Aboti	CAD
30	Karan Shah	CAD
31	Neha Naikwade	Marketing