

# SARANATHAN COLLEGE OF ENGINEERING

## National Level Solar Vehicle Challenge (NSVC) 2019

### TEAM SHARIK 2.0 REPORT

The Dynamic round for NSVC event was held from 28/02/2019 to 04/03/2019 in REVA University at Bangalore. A team of 38 students (23-Electrical and 15-Mechanical) from our college were performed and secured **overall 2<sup>nd</sup> runner up** in National level out of 19 teams from different states.

We thank our Secretary, Principal and Head of the Department for motivating us to perform well in national level challenge.

Event was held for 4 days, our solar car was evaluated under various technical and also in business aspects.

**Schedule and overall performance of the event were listed below:**

<b>S.NO</b>	<b>Event Conducted</b>	<b>Attempt Made/Given</b>	<b>Date cleared</b>
1.	Design Technical Inspection	2/3	01/03/2019
2.	Mechanical Technical Inspection	2/3	01/03/2019
3.	Electrical Technical Inspection	2/3	02/03/2019
4.	Business Plan	1	02/03/2019
5.	Acceleration test	2/2 Attempt 1- 42 km/h Attempt 2- 45km/h	03/03/2019
6.	Braking Test	2/2 Attempt 1- Above 5m Attempt 2- Below 6 m	03/03/2019
7.	Cross Road	3min 3sec	04/03/2019
8.	Start up Idea	Best of top 5	04/03/2019
9.	Innovation Round	Totally 6 Innovation in our vehicle	04/03/2019
10.	Battery Endurance	<b>84 km</b> (28 km x 3 laps)	05/03/2019

## SCORE TABLE

S.NO	Event Name	Marks Obtained/ Allotted
1.	Technical Inspection	45/50
2.	Design	69/100
3.	Business Plan	73/100
4.	Innovation	71/100
5.	Weight	32/50
6.	Braking & Acceleration Test	50/100
7.	Cross Road	200/200 ( winner)
8.	Battery Endurance	260/300
9.	Solar Endurance	120/200
<b>Total</b>		<b>920/1200</b>

### Ranking of NSVC 2019

Rank	Score	Team Name
1.	1150	Mavericks -Kerala
2.	1022	Hyperion (Infinity 3.0) - Maharashtra
3.	920	<b>Sharik- Tamil Nadu</b> ( <b>Saranathan College of engineering</b> )
4.	734	Sauveg - Maharashtra
5.	732	<b>Phoenix-Tamil Nadu</b> ( <b>Saranathan College of engineering</b> )

### Awards won by team SHARIK:

- **Sharik team won overall 2<sup>nd</sup> runner up award with a cash prize of Rs 20000/-.**
- **Auto cross A and B winner with a cash prize of Rs 10000/-**
- **Team spirit award with cash prize of 2500/-**

Team Captain : Boopathinavaneethan.S / EEE / IV year – A section

Vice Captain : Deepan.R/ Mech / IV year – A section

#### **Team Mentors:**

1. Mr. P.Ramesh Babu, (AP/ EEE).

2. Mr. R.Vigneshwaran, (AP / Mech).

## **STUDENTS NAME LIST: TEAM SHARIK 2.0**

SI.NO	Team Member Name	Field of Study	Year
1	Boopathinavaneethan.S	EEE	IV
2	Deepan.R	Mechanical	IV
3	Abishek.S	EEE	IV
4	Arun Prasath.P.A	EEE	IV
5	Barath.R	EEE	IV
6	Bharanidharan.M.S	EEE	IV
7	Leo Aldrinraj.A.S	EEE	IV
8	Vignesh.V	EEE	IV
9	Ragul.R	EEE	IV
10	Saravanan.R	EEE	IV
11	Sripaul J	EEE	IV
12	Aravindan.U	EEE	IV
13	Ajay L	EEE	III
14	Bhuvanewari.S	EEE	III
15	Ganeshkumar.V	EEE	III
16	Hema Dharshini.GV	EEE	III
17	Mohamed Nasrullah.N	EEE	III
18	Nirubhanjali.R.V	EEE	III
19	Shabash Khan	EEE	III
20	Sharvin.J	EEE	III
21	Pavithra.K	EEE	II
22	Sabarish.B	EEE	II
23	Udaya Simha.R	EEE	II
24	Keerthiga.P	EEE	II
25	Lokeshraj.M	Mechanical	IV
26	Prasanna Venkatesh.G	Mechanical	IV
27	Panneer Selvam.R	Mechanical	IV
28	Harish.B	Mechanical	IV
29	Arjun.A.Nair	Mechanical	IV
30	Bensen Suraj.M	Mechanical	III
31	Cherarajan.K	Mechanical	III

32	Kishore.A	Mechanical	III
33	Mathavan.S.R	Mechanical	III
34	Ashwin.S	Mechanical	II
35	Iqbal Fayas A	Mechanical	II
36	Jerald Joshwa.G	Mechanical	II
37	Yogeshwaran.B	Mechanical	II
38	Ashok.C	Mechanical	II
	<b>EEE</b>		23
	<b>MECHANICAL</b>		15
	<b>TOTAL</b>		38