



**SARNATHAN COLLEGE OF ENGINEERING**

**TIRUCHIRAPALLI-620012**



**TEAM PHOENIX REPORT**

Name of Event : National Solar Vehicle Challenge (NSVC) 2019 – 2020  
Date of Event : From 28/02/2020 to 03/03/2020  
Venue of Event : Visvesvaraya National Institute of Technology, Nagpur  
Organizer : Dynamist Motorsports Pvt. Ltd

The **TEAM PHOENIX** (20 students from EEE + 18 students from Mechanical + 2 students from ICE) from our college had registered for NSVC 2019-2020 (National Solar Vehicle Challenge) organised by Dynamist Motorsports Pvt. Ltd. This event focus is on developing a solar powered electric car which can operate in closed campus and then upgrade the same further for commercial purpose.

NSVC OF INDIA aims to stir the minds of young technocrats to meet the expectation of Industrialists and the public with regard to a solar powered electric vehicles. This platform helps in creating an awareness about advancing the sustainable vehicle technology efficiency in the automobile industry.

The Solar powered Electric vehicles were judged in a series of 3 rounds viz.

1. Virtual round (Screening)
2. Technical Inspection (Static Event)
3. Dynamic Event

Totally 31 teams from all over India had registered and participated in the initial virtual round. 12 teams out of 31 were shortlisted for the next round combining Technical Inspection & Dynamic event. This round was held (from 28/02/2020 to 03/03/2020) in Visvesvaraya National Institute of Technology, Nagpur. Event was held for 5 days, our solar car (AVION “The wind Flutterer”) was evaluated under various technical as well as business aspects. The **TEAM PHOENIX 3.0** from our college “fluttered the wind” in this round and secured overall runner up position at this national level event.

We thank our Secretary, Principal and Heads of the Departments for motivating us to perform well in their national level challenge. We extend our heartfelt thanks to our lab technicians for extending their support to manufacture our car successfully.

**The following are the awards won by TEAM PHOENIX 3.0**

- **Overall runner up** award - a cash prize of Rs.40, 000/-
- **AUTO CROSS WINNER** - a cash prize of Rs.10, 000/-
- **BATTERY ENDURANCE RUNNER UP** - a cash prize of Rs.7, 500/-

**Team Captain** : M.SAIKIRAN /IV Year/Mech. B

**Vice-Captain** : A.J.GOKUL NATH/IV year/EEE A

**Team Mentors** : 1. Mr. S.RAM PRASATH, (AP/ EEE).

2. Ms.R.S.SHIVA RANJANI, (AP /Mech)

**TEAM PHOENIX 3.0 MEMBERS LIST 2019-2020**

Electrical Mentor : Mr. S.Ram Prasath, (AP/ EEE).

Mechanical Mentor : Ms.R.S.Shiva Ranjani, (AP/MECH)

S.NO	BATCH NO	NAME	YEAR	DEPARTMENT / SECTION
1.	193032	HARIHARAN.K	IV	EEE/A
2.	193026	GOKUL NATH.A.J	IV	EEE/A
3.	193035	INDHU.R	IV	EEE/A
4.	193061	NANDHINI.T	IV	EEE/A
5.	193037	JOICY.J	IV	EEE/A
6.	193045	KOWSALYA.S	IV	EEE/A
7.	193070	PRAGATHEESWARI.G	IV	EEE/B
8.	203004	ABINAYA.L	III	EEE/A
9.	203005	ABINESH.R	III	EEE/A
10.	203079	V. SAKTHI RAJA	III	EEE/B
11.	203070	RAKESH.N	III	EEE/B
12.	203065	PRAHATHISH.B	III	EEE/B
13.	203062	PASHITH.H	III	EEE/B
14.	203086	SENTHIL KUMAR.A	III	EEE/B
15.	203104	SUDHILAYA.M	III	EEE/B
16.	203077	ROSHINI.R	III	EEE/B
17.	213011	ARAVIND.S	II	EEE/A
18.	213004	AKILAN.R	II	EEE/A
19.	213034	HARNI.S.R	II	EEE/A
20.	213055	MONICA.S	II	EEE/A
21.	196015	DHINAKARAN.S.S	IV	MECH/A
22.	196033	KARTHIKEYAN.R	IV	MECH/A
23.	196068	PRETHISH.V	IV	MECH/B
24.	196107	THANVEER ELAHI.A	IV	MECH/B
25.	196082	SAIKIRAN.M	IV	MECH/B
26.	196103	SUBASH.A.R	IV	MECH/B
27.	206018	ASHWIN.S.S	III	MECH/A
28.	206122	YASHIK KARTHI.N	III	MECH/B
29.	206064	MUKUL.V	III	MECH/B
30.	206080	RAVI RAGHUL S.A	III	MECH/B
31.	206070	PRANAVAN.S	III	MECH/B
32.	206151	THARUN PRASAD T.M	III	MECH/B
33.	206150	THILEEBAN RAJA.H	III	MECH/B
34.	206137	SUNDARARAMALINGAM.T	III	MECH/B
35.	206143	KARTHIKAYEN.R	III	MECH/B
36.	216001	AADHIL AHMED.R	II	MECH/A
37.	216021	ARUN PRASAD V	II	MECH/A
38.	216010	AJAY PRIYAKAR.M	II	MECH/A
39.	197025	RUKMANI	IV	ICE
40.	197021	HEMALATHA	IV	ICE

## **PHOTO GALLERY:**



**AVION "The Wind Flutterer" Gearing up for the Autocross run**



**Prize winning moment for our racer Mr.H.Thileeaban Raj & captain Mr.M.Sai Kiran securing winner position in the "Autocross run"**



**TEAM PHOENIX 3.0 securing the Runner-up position in the "Battery Endurance Event"**



**The overall Runner-up trophy of NSVC 2019-2020**

**with**

**“AVION- THE WIND FLUTTERER”**