



Sponsorship Brochure

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**SARDAR VALLABHBHAI
NATIONAL INSTITUTE OF TECHNOLOGY,
SURAT**

ABOUT

SVNIT

Sardar Vallabhbhai National Institute of Technology is one of the premier technical institute of the country. Declared as an Institute of National Importance [INI] by Ministry of Education, Govt. of India, it has been churning out engineers par excellence for the past 60 years. Set on the outskirts of the fastest growing city of the country, it is taking giant strides in all spheres of technical education, while promoting practical knowledge and hands-on-experience same time



ABOUT

STUDENT FORMULA

Formula SAE® (FSAE) is a intercollegiate design competition sanctioned by the Society of Automotive Engineers (SAE) for student members. First held over 25 years ago, the competition has grown to include 3 US and 6 international events annually in Europe, Asia, South America and Australia, attracting over 400 teams from nearly 50 countries. The competition challenges engineering students to budget, design, build, dynamically test and race an open wheeled formula-style racecar, thus providing students practical manufacturing experience while challenging them to use knowledge, teamwork, and creativity. The cars are built as a team effort over a period of one year and then taken to an annual competition to compete against over 125 other colleges and universities from around the world. FORMULA SAE INDIA is being organized for the first time in India at the Madras Motor Sports Club from 1st to 3rd of July, 2011. The overall experience gained through the FSAE competition will be a valuable asset for students transitioning them from the academic ambience of the campuses into nitty-gritty of their professional careers. The competition is broken up into three static events and five dynamic events.

Points Breakup

Static Events:

Presentation	75
Engineering Design	150
Cost Analysis	100

Dynamic Events

Acceleration	75
Skid-Pad	50
Autocross	150
Fuel Efficiency	100
Endurance	300
Total Points	1000



FACULTY PROFILE



Dr. P.V.BHALE

He is an MTech, PhD in the field of IC Engines, Alternative fuel based engine tribology and Non Conventional energy systems. He is presently a Faculty in the Mechanical Department and deals with Automobile Engineering and IC Engines. He is a certified Energy Auditor by the Bureau of energy efficiency, Ministry of Power, Government of India 2004. Actively contributing in the form of International and national Research Publications, has also delivered expert lectures in various conferences. He is presently the Co-Faculty Advisor for the SAE SVNIT Chapter.



Dr. S.A.CHANNIWALA

He is an MTech, PhD from IIT Bombay, former Director SVNIT, ex HOD Mechanical Department, renowned all over the world in his field of expertise. He has got 64 international publications and 63 national ones. He has also been the faculty advisor for other prestigious projects like the "Formula Hybrid vehicle - Ananya", SAE Baja Projects like "Ashwamedh" and "Pushpak". Has performed extensive research on solar and electric hybrid vehicles. Presently working on his projects in the Mechanical Engineering Department.

PAST ACHIEVEMENTS



2005 GARUNA

Launched India's 1st ATV.
Given the status of SAE India vehicle by
ARAI, Pune. Used for testing and
development of track at NATRIP, Indore



2006 PUSHPAK

Participated in BAJA 2006 in Portland,
USA. Won the Chairman's Award.



2007 ASHWAMEDH

BAJA again. Overall 7th out of 29 teams.
Stood 1st in Hill Climbing,
2nd in Acceleration,
3rd in Design and Cost Report.



2009 YUYUTSU

BAJA SAE India, 2009.
Placed 20th out of 59 teams.



2009 ANANYA

India's first Self-Contained
Series Hybrid Vehicle.



2010 ANSHUMAT

Participated in BAJA SAE Asia, 2010.
Placed Overall 5th out of 80 teams.
3 Top ten Finishes in individual events.



2011 EKLAVYA

Implemented Four-Wheel
Steering



2011 PHOENIX

Secured 1st prize in presentation,
2nd prize in Cost Report & stood
4th in overall performance.





WON 1ST PRIZE IN COST REPORT
STOOD 3RD IN ACCLERATION TEST
STOOD 4TH IN SKIDPAD
STOOD 5TH IN OVERALL RANKING
STOOD 6TH IN ENDURANCE

2012 PHOENIX



2014 PHOENIX- National Go Kart Championship

WON 2ND PRIZE IN PRELIMINARY DESIGN EVALUATION
PLACED 30TH IN OVERALL RANKING



2015 PHOENIX- PROPOSED DESIGN



DESIGN SPECIFICATIONS

ENGINE: Honda CBR 600 RR
COOLING: Liquid Cooled
FUEL SYSTEM: Electronic Fuel Injection
INDUCTION: Naturally Aspirated
DRIVE: Chain Drive
SHIFTER: Mechanical
BRAKE: 4 Wheel Disc, Front and Rear
FR SUSPENSION: Unequal A-arm, Pushrod Actuated
RR SUSPENSION: Unequal A-arm, Pushrod Actuated
FR/RR TRACK: 52"/ 50"
WHEELBASE: 65"
OVERALL LENGTH: 108"
FRAME: Tubular Mild Steel Space Frame
TIRES: 20x6.5-13

BUDGET ANALYSIS

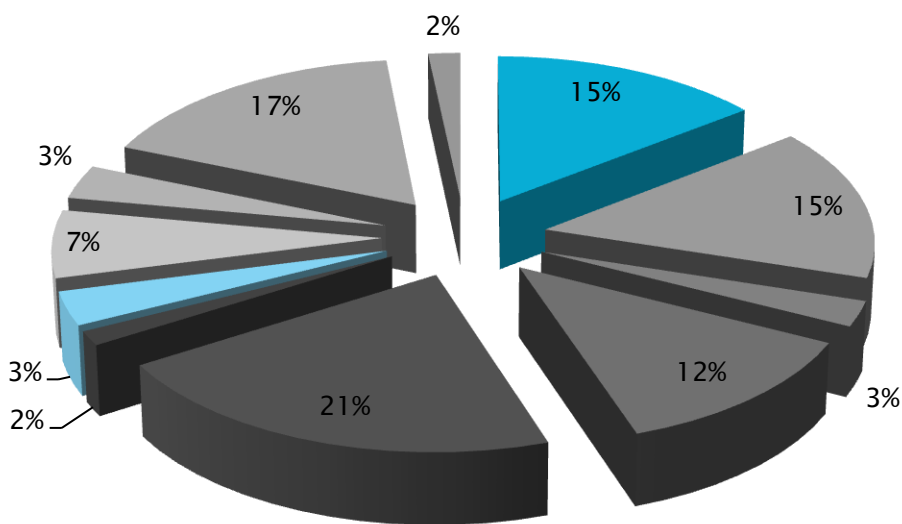


Sr No	Components	Details	Cost (Rs)
1	Wheel Assemblies	Tyres and rims, Brake Assembly(Callipers, discs, cylinder), hubs, uprights	1,70,000/-
2	Chassis and Body Work	Steel Tubes, Welding Equipment, Brackets and mountings, moulds, Fibre Reinforced Polyester sheets etc	1,80,000/-
3	Steering	Steering Rack, bearings, Column, tie rods	30,000/-
4	Suspension	Shock Absorbers, Springs, A Arms, Rod end bearings.	1,46,000/-
5	Power train	Engine with gearbox, Bearings, Chain, Differential, Drive Shaft, Sprocket	2,50,000/-
6	Registration	Competition Entry fee	17,000/-
7	Electrical System	Custom boards, Engine management system, Wiring, harness, gauges and sensors	40,000/-
8	Driver gear and safety	Driver safety, seat belt, fire extinguisher, neck restraint, shoes	80,000/-
9	Testing	Fuel, oil, repairs, engine testing rig, upgrades	40,000/-
10	Logistics	Accommodation of team, Transport of vehicle	2,00,000/-
11	Sponsorship and Publicity	Printing, Display, Postage, Travelling	20,000/-
		Total	11,73,000/-





Budget Breakup



- Wheel Assembly
- Chassis and Body works
- Steering
- Suspension
- Power Train
- Registration
- Electrical System
- Driver gear and safety
- Testing
- Logistics
- Sponsorship and Publicity

WHY Sponsor us

































- ▶ Increase visibility among members of industry and colleges.
- ▶ Sponsoring our team will increase your brand recognition for other SAE teams.
- ▶ This association will make you a partner in the process of improving the technical education system in India.
- ▶ It will be part of Corporate Social Responsibility.
- ▶ Sponsorship will make your firm entitled for tax benefits.
- ▶ This association will also increase the visibility of your corporation among the students and you will be able to generate a large pool of potential employees.
- ▶ You will help promote technical education in the practical form to the students of SVNIT



SPONSORSHIP SLAB



SPONSORSHIP LEVEL	INR 300000+ PLATINUM	INR 200000+ GOLD	INR 150000+ SILVER	INR 50000+ BRONZE	DONATION/ DISCOUNT
Company name associated with Team Name					
Paint scheme decision					
Large Logo on Car					
Logo on Driver's Helmet					
Logo on both sides of the car					
Promotion at fests					
Recognition during media exposure					
Company banner at Team Pit during the event					
Use Of Car at Company Functions					
Logo on team Tshirts					
Logo on Driver's Dress					
Large Framed Team photo with Company Logo					
Logo on the Car					
Tax benefits					
Logo on Team Website					
Logo on Team's Banner					



PREVIOUS SPONSORS



“BEING CONTINUOUSLY DRIVEN IS A TASK
RACING AHEAD IS A PRIVILEGE.”



Team Phoenix 2014 at Kari Motor Speedway



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