

TEAM FALCON MOTOR- SPORTS

Driven with courage....



VIMEET



VISHWANIKETAN



SPONSORSHIP
PROPOSAL FOR SAE
SUPRA 2018-19

PROPOSAL ISSUED
ON 23.11.2018



TEAM FALCON MOTORSPORTS

Survey Nos: 52, 54, 55, 56, 57
Kumbhivali, Tal- Khalapur, Raigad, M
aharashtra 410202

<http://www.vishwaniketan.edu.in>

do visit our facebook page
www.facebook.com/falcons.fslife



TABLE OF CONTENTS :

1. Executive Summary
2. About the Team and Competition
3. Falcon's International Collaborations
4. Previous Ventures
5. Sponsorship Value Proposition
6. Title Sponsor Package



EXECUTIVE SUMMARY

Team Falcon Motorsports of Vishwaniketan's Institute of Management Entrepreneurship and Engineering Technology (ViMEET), is a collegiate, co-ed, multidisciplinary, student-run organization that competes against other technical universities throughout INDIA. Our team is determined to build lightweight, agile and a fun to drive single seater race car under the guidelines outlined in each year's rule-book provided by the Society of Automotive Engineers, known as SAE.

Nearly 600 schools worldwide involved in Formula SAE competition develop different solutions for the job – creating an open-wheel racecar that is holistically designed and judged not only on performance, but on overall quality of execution: cost, design, ergonomics, safety and professionalism.

VALUE PROPOSITION

Your contribution to TEAM FALCON MOTORSPORTS gives local university students the opportunity to demonstrate and grow their knowledge outside the classroom. As an extracurricular university organization, VIMEET's incubation center is officially registered under section 80g

All prospective sponsors will receive mention and display on the race car, our main deliverable. Discussed later in this document are sponsorship level breakdowns, which describe what each donor will receive from their investment.

Each donor will gain association with TEAM FALCON MOTORSPORTS AND VIMEET, and will receive mention and engagement on TEAM FALCON's social media platforms, attracting key college-aged individuals, who represent an increasingly powerful and expanding demographic.



ABOUT THE TEAM AND COMPETITION

ABOUT US

TEAM FALCON MOTORSPORTS consists of 25 budding engineers of various branches from from ViMEET SAE Collegiate Club, who have taken the initiative to participate in SUPRA 2019. 'FALCON'- which symbolizes Passion, Speed and Quickness- aptly describes the team whose members are energetic, Smart-working and quick in action. We FALCONs are determined to perform brilliantly in the SUPRA 2019, and gain a valuable experience along with sharpening our skills and creativity

ABOUT COMPETITION

SAE SUPRA competitions are sponsored by the Society of Automotive Engineers, an internationally recognized professional sanctioning body tasked with establishing and enforcing specific rules and guidelines at each event. SAE is an international engineering society with over 60,000 members worldwide, dedicated to the advancement of land, sea, air and space vehicles. Formula SAE is the largest of the SAE sponsored student design competitions within its Collegiate Design Series. During the four-day event, TEAM FALCON MOTORSPORTS competes among a field of nearly 120 schools from across the globe and is judged on vehicle design, cost and performance, as well as the team's ability to present to judges the engineering concepts used to develop the final design.



OUR INTERNATIONAL COLLABORATIONS

- TOR VERGATA UNIVERSITY IS ONE OF THE LEADING UNIVERSITIES IN SAE INTERNATIONAL CIRCUIT.
- OUR CAPTAIN WORKED AS AN INTERN FOR SCUDERIA.





WHO ARE WE ?

- Our Team consists of 25 budding Mechanical engineers from ViMEET SAE Collegiate Club, who have taken the initiative to participate in SUPRA 2019.
- 'FALCON'- which symbolizes Passion, Speed and Quickness- aptly describes the team whose members are energetic, Smart-working and quick in action.
- Team FALCON MOTORSPORTS is determined to perform brilliantly in the SUPRA 2019, and gain a valuable experience along with sharpening our skills and creativity.



PREVIOUS VENTURES

Quad torc 2018 competition organised by Indian society of new era engineers. This year the competition was held at Garage one race track , Chachari Mod, chandpur, Bijnore , Uttar Pradesh. This competition was held from 26/09/2018 to 30/09/18. The competition was held in two phases Statics and Dynamics

This year we participated in FMAE QBDC SEASON 3 competition which was held at hyderabad from 16th to 19th of this month.The competition was organised basically in two types one is statics and other dynamics



PREVIOUS VENTURES

ACHIEVEMENTS

Quad torc 2018 , bijnor
uttar pradesh.

Endurance – 1st

All over india rank – 2

Cash prize – 90k rs

QBDC season 3 hyderabad

Endurance – 1st

Manueverbilty – 2nd

All over india rank – 3

Cash prize – 25k

PREVIOUS VENTURES



SAE SUPRA 2018

TEAM FALCON
MOTORSPORTS

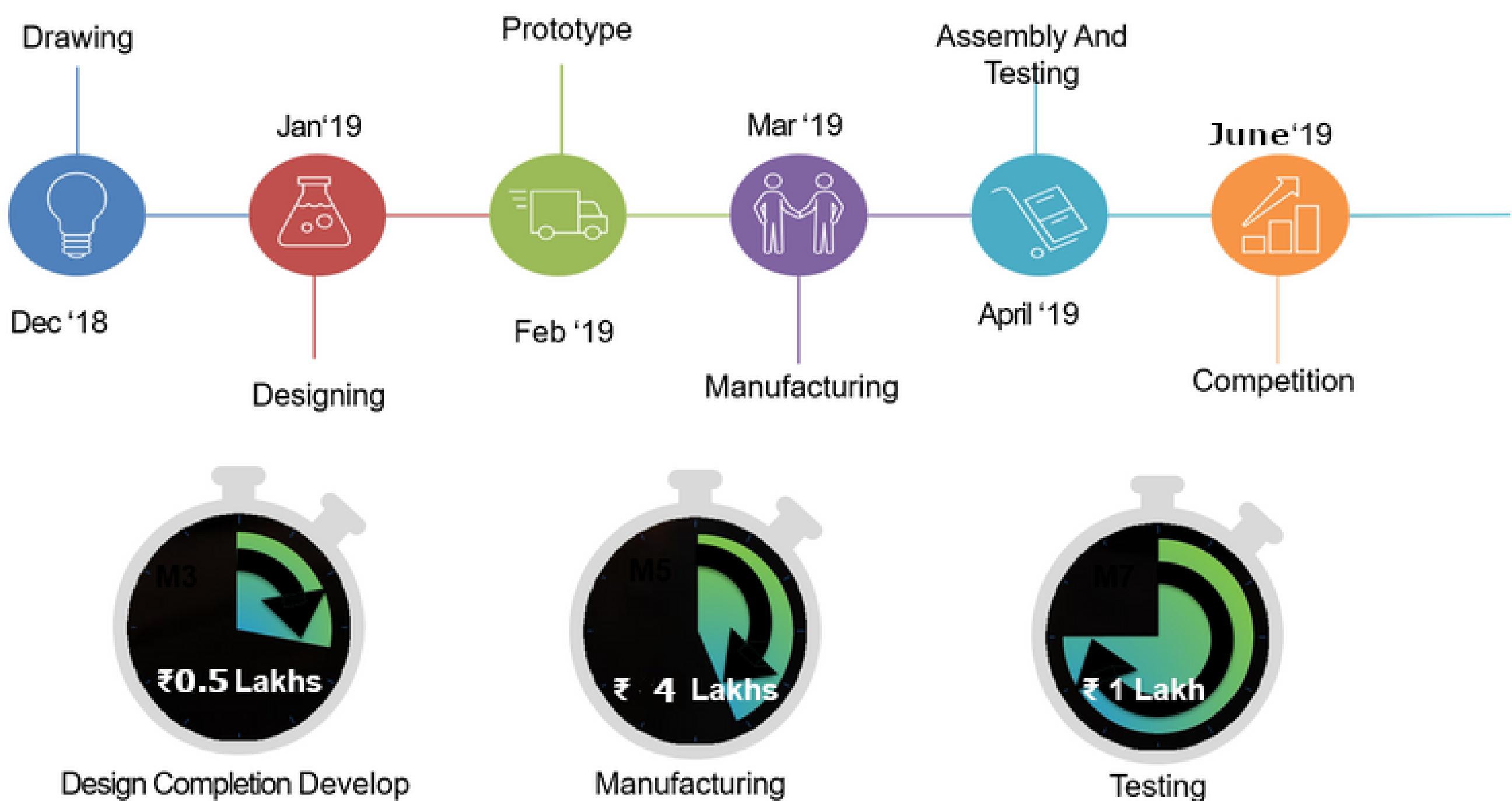
TEAM NO.: 93







RoadMap

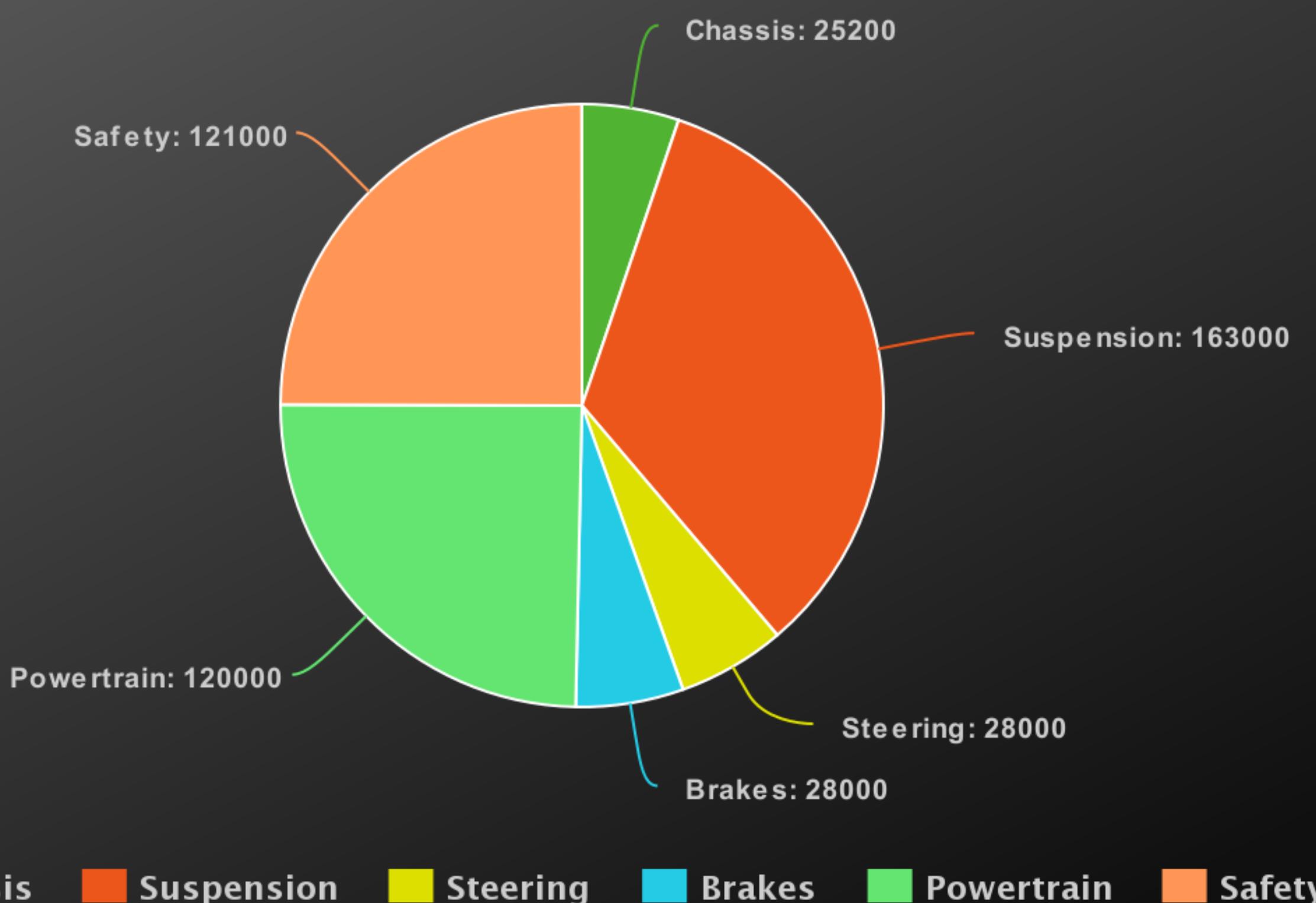


BUDGET

Investment

	Chassis	₹ 25,200	Designing and manufacturing the roll cage
	Suspension	₹ 1,63,000	Testing and manufacturing of suspension system
	Steering	₹ 28,000	Designing and manufacturing rack and pinion
	Braking	₹ 28,000	Brake system and bleeding
	Powertrain	₹ 1,20,000	Transmission system installation
	Safety	₹ 1,21,00	Buying safety equipment and transport facilities
	Total	₹ 5.24 Lakhs (Including Miscellaneous)	

Investment Breakdown



Technical Specification

GENERAL

Target overall length	2 metre
Expected wt. of car	280 kgs
Wheel Rim Diameter	13"
Tyre specification	165/70 R 13

CHASSIS

Material	AISI 4130
Frame weight	35 kg
Front Track	46"
Rear Track	44"

FEM Analysis done using ANSYS and Solidworks

ENGINE

Engine Displacement	373 cc
Engine Choice	KTM 390
Maximum torque	35 Nm @ 10000 rpm
Transmission	6 speed constant mesh
Fuel	Gasoline

STEERING & SUSPENSION

Suspension type	Pushrod
Wheel base	65"
Steering	Rack and pinion type

BRAKES

Brake type	Disc
Brake details	Dual piston
Caliper	Fixed caliper

BOM

Sr no.	Department	Component	Material	price per unit	Quantity/No. of units	Price (INR)
1	Chassis	Chromoly Seamless tubes	AISI 4130	350 INR per meter	40	14,000
		3mm Metal Sheets	Steel	500 INR per sq.m	3	1,500
2	Suspension	Springs	Composite	8,000 INR per unit	4	32,000
		Rockers	Aluminium 7075	700 INR per Kg	4	2,800
		Push Rods	AISI 4130	100 INR per meter	2	200
3	Engine	KTM 390		87,500 INR per unit	1	87,500
4	Power Train	Axle	MS	2,000 INR per unit	1	2,000
		Differential	MS	9,000 INR per unit	1	9,000
		Differential Plates	Aluminium 7075	700 INR per Kg	3	2,100
		Chain	OEM	800 INR per unit	1	800
		Air Restrictor	Aluminium 6061	550 INR per kg	11	6,050
		Air Filter	OEM	200 INR per unit	1	200
		Radiator	Custom	4,000 INR per unit	1	4,000
		Rubber Hoses	vulconised Rubber	200 INR per meter	3	600
		Engine Oil	Motul	1,100 INR per bottle(1.5 L)	2	2,200
		Fuel Tank	Custom	5,000 INR per unit	1	5,000
5	Brakes	TMC	OEM	1,200 INR per unit	1	1,200
		Pedal Box	Custom	10,000 INR per unit	1	10,000
		Caliper	OEM	2,500 INR per unit	4	10,000
		Brake Disc	OEM	1,500 INR per unit	4	6,000
		Bundi Tubes	OEM	50 INR per meter	5	250
		Brake Oil	dot 3	180 INR per bottle	2	360
6	Wheel Assembly	Hubs	Custom	5,500 INR per unit	4	22,000
		Knuckle	Custom	8,250 INR per unit	4	33,000
		Wishbones	Stainless Steel	200 INR per unit	12	2,400
		Rims	OEM	3,500 INR per unit	6	21,000
		Tyre	OEM	9000 INR per unit	5	45,000
		Rod ends	MS	200 INR per unit	24	4,800
7	Steering	Rack and Pinion	MS	14,000 INR per unit	1	14,000
		Steering Column	MS	200 INR per meter	1	200
		Ball joints	OEM	150 INR per unit	12	1,800
		Steering Wheel	Custom	5,000 INR per unit	1	5,000
		Detachable Coupling	OEM	3,500 INR per unit	2	7,000
8	Driver Safety	SFI Rated Safety Suit	OEM	21,000 INR per unit	2	42,000
		SNELL Rated Helmets	OEM	15,000 INR per unit	2	30,000
		Inners		5,000 INR per unit	2	10,000
		Shoes		2,000 INR per unit	2	4,000
		Arm Restraints		2,000 INR per unit	2	4,000
		6 point Safety Seat Belt		5,500 INR per unit	1	5,500
		Neck Support		1,000 INR per unit	2	2,000
		Driver Seat	Plastic	600 INR per unit	1	600
		Impact Attenuator	Foam	23,000 INR per unit	1	23,000
9	Aesthetics	Body Panel	PPP	1,200 INR per 6x4 sq.feet	4	4,800
		Exhaust	MS	3,000 INR per unit	1	3,000
		Colours		190 INR per can	10	1,900
10	Miscellaneous	NUT,BOLTS,SAND PAPER,ETC				10,000-15,000
11	Transportation					25,000
						5,24,760

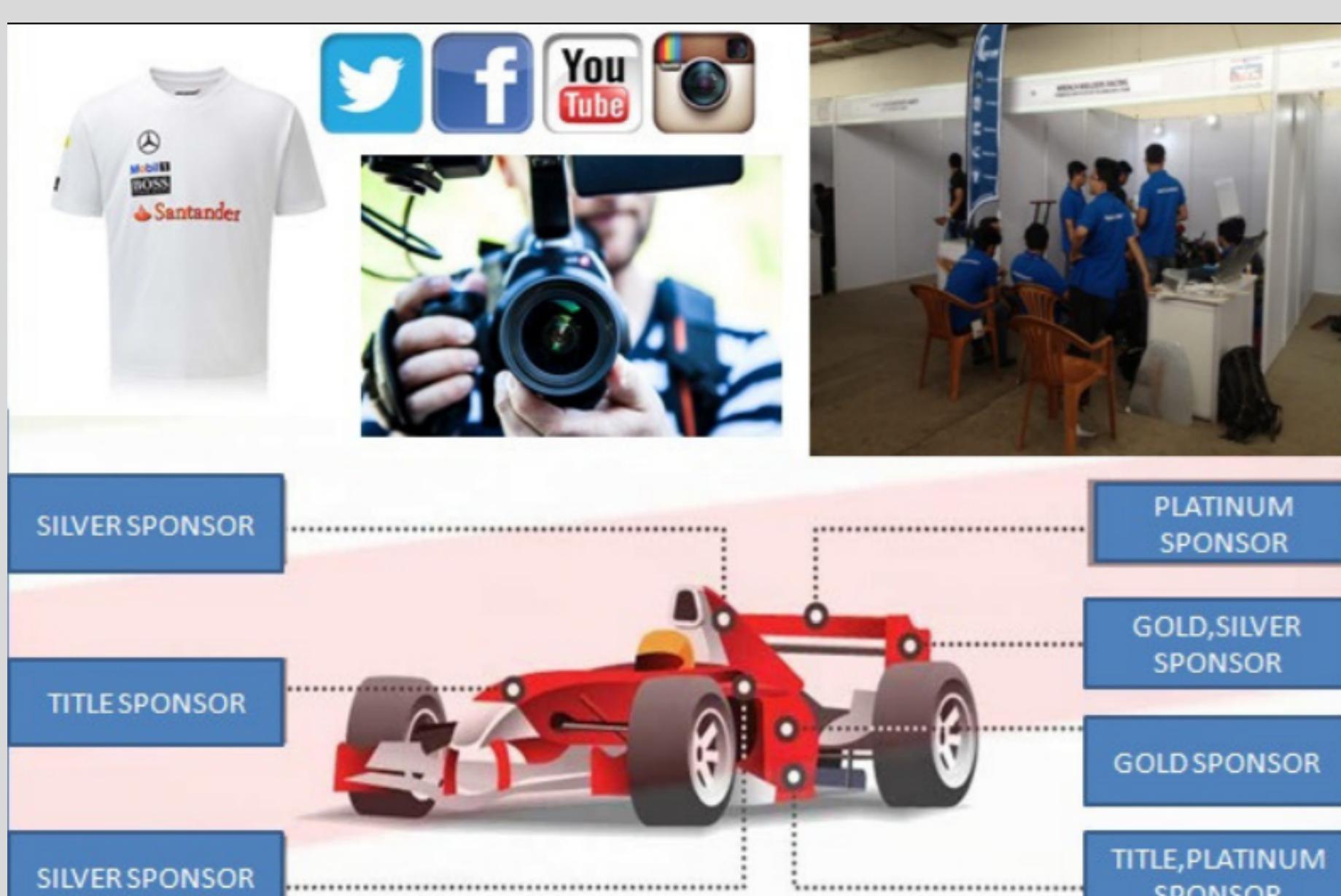
SPONSORSHIP VALUE PROPOSITION

WHY SPONSOR US?

The most basic and effective form of advertisement is the race-car itself Everywhere FALCON goes, you go too!..The logo/name of your company will be visible on the car and also since SAE is an international organization you'll gain a tremendous National and International exposure.

Sponsors are also displayed on team clothing including a variety of shirts and jackets. Each year a dedicated sponsor shirt will be produced including all of our partners. Team members, friends and family wear shirts during on-campus testing and off-campus competition events. Exposure is extensive and frequent.

Sponsor graphics will circulate through the home page and will be listed under the sponsor page of the site along with a hyperlink to the sponsor's website. Sponsors are also mentioned on FALCON's social media platforms, including Facebook, Instagram and Twitter.



SPONSORSHIP LEVEL BREAKDOWN

The following list is a breakdown of sponsorship levels along with a brief description of associated benefits. The sponsorship level may be obtained either through monetary donation or through in-kind donation of materials, products or services. Category exclusivity can be arranged with special consideration. We invite you to share your sponsorship questions with us at **falconmotorsports19@gmail.com**.



Platinum Sponsor (INR 1,50,000+)

Platinum Sponsors receive maximum-sized logo placement on the car, logos that can be incorporated in or influence the total livery (paint scheme) of the car, in addition to top logo placement on the FALCON's Facebook Page. Sponsors will also receive logos placed on all team-wear produced for the year, and will receive maximum engagement on social media and ViMEET campus-wide advertising. Sponsors will be invited to provide deliverables and posters for display and handout at ViMEET campus events and off-campus race weekend events. Sponsors are also invited to drive the vehicle on the day of unveiling.

Elite Sponsor (INR 75,000+)



Elite Sponsors receive large-sized logo placement on the car, in addition to top placement on the FALCON's Facebook page. Sponsors will also receive logos placed on all team-wear produced for the year, and will receive frequent engagement on social media. Sponsors will be invited to provide deliverables and posters for display and handout at ViMEET campus events and off-campus race weekend events. Sponsors are also invited to drive the vehicle on the day of unveiling.

Gold Sponsor (INR 50,000+)



Gold Sponsors receive medium-sized logo placement on the car, as well as placement on the FALCON's Facebook Page. Sponsors will also receive frequent mention on social media platforms. Logos will be included on T-shirt merchandise. Sponsors are also invited to drive our vehicle on the day of unveiling , and will receive a Tshirt representing this year's car.

Silver Sponsor (INR 20,000+)



Bronze Sponsors receive a name on the car, as well as placement on the FALCON's Facebook Page and mention on social media platforms. Names may be included on t-shirts (space permitting), and Bronze Sponsors will receive a T-shirt representing this year's car.

Contributor (INR 5000 - INR 15,000)



A contributor receives a name on the FALCON's Facebook Page, and will receive a T-shirt representing this year's car. We would like to thank all of our prospective

TITLE SPONSOR PACKAGE

Title sponsor will get the privilege to sponsor TEAM FALCON MOTORSPORTS' s entire venture. Team Falcon ' s marketing department will work 24x7 on promoting the company through various online and offline mediums. Entire car and all the goodies will be themed on title sponsors logo. Title receive maximum-sized logo placement on the car, logos that can be incorporated in or influence the total livery (paint scheme) of the car, in addition to top logo placement on the FALCON' s Facebook Page.

Sponsors will also receive logos placed on all teamwear produced for the year, and will receive maximum engagement on social media and ViMEET campus-wide advertising. Sponsors will be invited to provide deliverables and posters for display and handout at ViMEET campus events and off-campus race weekend events. Sponsors are also invited to drive the vehicle on the day of unveiling.

Below are some graphical representations.



BENEFITS FOR SPONSORS

TAX DEDUCTION UNDER SECTION 80G

- The 80G of the Income Tax Act declares that contributions to the funds should be made in the form of cheques or demand drafts
- The sponsorship amount will be taken under the name of our college trust, which is registered under 80G certification
- Hence the company providing sponsorship will be able to apply for Tax deduction.
- All the required documentation for scheme 80G will be provided by Team Falcon Motorsports.

We would like to thank all of our prospective sponsors for taking this opportunity to review our sponsorship proposal. We understand that your contribution to our team is a large commitment. Being a fully sponsor-funded team, we deeply appreciate any assistance you can provide to us whether in terms of your time, resources, knowledge or monetary contributions. Please feel free to contact any of us with any questions you might have regarding the team or race car.



FOR MORE DETAILS
AND SPONSORSHIP
CONTACT:



OMKAR KOKANE
(TEAM CAPTAIN)
8422945786



**TEAM
FALCON
MOTOR-
SPORTS**

ViMEET



VISHWANIKETAN