

BROCHURE 2018-2019

DELHI TECHNOLOGICAL UNIVERSITY











ENGINE

- KTM 500 EXC 2019 Single Cylinder
- Displacement: 510 cc
- Compression: 11.8:1
- Peak Power: 38 kW
- Peak Torque: 43 Nm
- DTIE COOR
 - DTAFast S80 Pro
 - Custom Radiator

VEHICLE DYNAMICS

- Pushrod Actuated Double Unequal Lenth Wishbone Suspension
- Brembo P32 Aluminium Fixed Dual Piston
 - Pedal Force: 0.21 kN
 - Hoosier R25B 18 x 6-10
 - Keizer 10i 10" Aluminium Alloys
- Tuneable Anti-roll Bar II Variable Ride Height
 - Use of Camber Shims Variable Camber
 - Optimised Uprights and Hubs
 - Custom designed Brake Disk for Optimum Performance

CHASSIS

- Bare Frame Mass: 20kg
 - Torsional Stiffness: 1400 Nm/dea
- IA Energy Capacity: 7.5 kJ
- Weight 194.5 kgs
- Wheelbase 1550 mm
- Front Track 1200 mm
- Rear Track 1170 mm

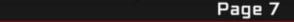
AERODYNAMICS

- Downforce: 1025 N
 - Drag: 391 N
- Drag Reduction System on Rear Wing Flap
- Coefficient of Lift: -3.3
- Coefficient of Drag: 1.3
- All manufactured with carbon fibre along with Bodyworks

ELECTRONICS

Colour coded and concealed wire loom. Student built Data Logging and Telemetry System along with Java based application for interactive real time analysis of electronics sensor suit.









Team Defianz Racing participated in Formula Bharat at the Kari Motor Speedway in the month of January. The competition saw participation from 70 teams.

STATIC EVENTS

Business Presentation - 3rd
Design Event - 3rd
Cost Event - 2nd



Acceleration - N/A

Skidpad - N/A

Autocross - 2nd

Endurance - 3rd

Efficiency - 3rd



The Team prepared for the competition over weeks of extensive testing of the vehicle. The Team was able to clear all the required Inspection Tests after surpassing a few minor setbacks, hence qualifying for the Dynamic Events. The Team performed remarkably in all the Static and Dynamic Events.





Achievements



1st in India according to the worldwide rankings



Overall Second - Formula Bharat 2018 3rd in Business Plan Event · 3rd in Design Event · 2nd in Cost Event



Best Asian Team at FSUK 2017



Overall Second - Asia 2014



Design - Third



FISITA - Best Endeavour





Best Asian Team

at FSUK 2016

Previous Years' Cars























































SPECIFICATIONS

- 1. Engine: Honda CBR600
- 3. Compression Ratio: 12.5:1
- 5. Car Weight: 215 Kgs
- 7. 0-100 kmph: 4 seconds

- 2. Power: 85 bhp at 12500 rpm
- 4. Fuel: 98 octane petrol
- 6. Wheelbase: 1600mm
- 8. Lateral Acceleration: 1.6g
- 9. Electronics: DTA fast programmable engine control with data recording
- 10. Brake System: 4 wheel hydraulic discs; Rear wheel Drive Layout











Media for Us





In the past, reputed companies have aknowledge the project's potential and sponsored the team. Being the oldest team in Asia, the team enjoys good media coverage































The team has an active fan following on facebook, instagram as well as twitter with many followers.

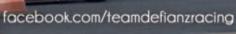












Instagram: defianz_racing

Twitter: @defianzracing





Come Onboard



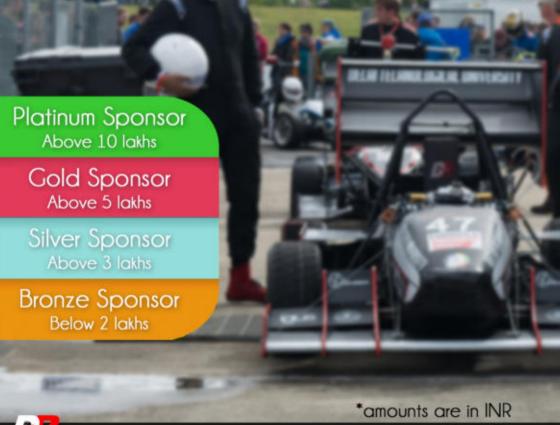
Sponsorship Deliverables



Team Defianz Racing is one of the most prominent Formula Student Teams in India. Currently, we are number 1 in India according to the worldwide rankings. We have been ranked as the Best Asian Team at Formula Student UK 2 years in a row and also we are the First Runner Up at Formula Bharat 2018. Being active for over fifteen years, the team has a very active fan following on its social media pages and also receive a lot of media attention, both print and visual. We use these resources at hand to publicize our sponsors. Since 2003, the team has set benchmarks for performance by Indian teams at Formula Student competitions.

We invite you to come onboard as our sponsor. With your help and support we can turn our Mission in to a reality.

Dealing with dearth of funds, technical setbacks due to absence of required technology and cultural differences, the team has been constantly evolving since. Apart from success at our competitions, we have received much accreditation here at home. We display our cars at prominent malls and auto exhibitions including those at Pragati Maidan and the Expo Mart, Noida, which is also in the best interest of our sponsors. The team is also a Technological Incubator under a government university, therefore sponsoring the team qualifies as an act of CSR under point(ix) of the CSR Act Notification.



DELIVERABLES	BRONZE	SILVER	GOLD	PLATINUM
Logo on Car	0	ŏ	ŏ	· ·
Logo on Apparel	0	0	0	0
Online Publicity	0	0	0	0
Publicity at Auto Exp / FSB / FSUK	0	0	0	0
Publicity at University Fests	0	0	0	0
Monthly Updates	0	0	0	0
Car Theme	0	0	0	0
Car & Team Availability	0	0	0	0





Proud Sponsors of DR18

































































































































LPS













Getting in Touch:

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