



March 2016

REVIVING PASSIONS

THE OFFICIAL NEWSLETTER OF FORMULA RACING TEAM OF BIT MESRA



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POST EVENT

BRAKES:-

>> First prototype of the design of Pedal Assembly has been developed & tested for the driver's ergonomics.

CHASSIS:-

>> Preparation of mock chassis has been initiated keeping in mind the driver's ergonomics.
>> Research work is in progress to make the chassis light & stiff enough.

VEHICLE DYNAMICS:-

>> . Tyre data has been procured and is being used in designing suspension.
>> Analysis of data is in progress with the focus fixed on light weight design.

ENGINE:-

>> As a part of Research & Development, KTM-390 engine is being studied along with cooling system, intake design, engine tuning.

ELECTRICAL:-

>>.Research work on wiring of KTM-390 is being done.
>> Incorporation of more sensors in our DAQ system is being done.

DRIVETRAIN:-

>> Designing of light weight sprocket is being done.
>> . Research work is being done in electronic gear shifter.

COMPOSITE:-

>> Research work is being done on mold material & mold making materials for car bodyworks, sidepod, driver's seat.

Mock Chassis

The frame subteam is indulged in mocking up the current chassis design to determine the appropriate design for our drivers. This includes establishing the position of pedal box & steering wheel suiting the drivers. Mock-chassis construction will be followed by fabrication of space-frame chassis of the car.

Intern Development Program

Regular tasks are being allotted to the interns followed by review sessions. An interactive session had been organized giving the interns useful insights into Formula Student. A new advancement has been brought up in the IDP in the form of "Intern of the Month" where mentors & members rate the interns on the basis of their performances.

The X- corner

>> The team kicked off its next season's sponsorship campaign by revamping its partnership with previous season's printing partner "AKASH PRINTING PRESS" .

>> The team took part in the Business Plan competition, which was one of the flagship events of Bitotsav'16 and bagged the 2nd position defeating teams from other institutes



Mock Chassis for TSI-17



B - Plan Presentation

SPONSORS



CONTACT US

ADITYA MISHRA
(CAPTAIN)

+91-776-182-7845

ATHAR ANWAR
(VICE CAPTAIN)

+91-960-891-8019

SHIVAM RAI
(CHIEF ENGINEER)

+91-800-222-4716

FOLLOW US ON: WWW.FACEBOOK.COM/TEAMSRIJAN

MAIL US AT: TEAMSRIJAN@BITMESRA.AC.IN

VISIT US AT: WWW.TEAMSRIJAN.COM