



Don Bosco Institute of Technology

Colosseum 2021

Report on “Vehicle Dynamics”

Objective:

- To help the participants understand the basic working of Automobiles and design components on their own.
- To explain the various factors taken into consideration while designing different parts of the automobile.
- To make participants familiar with software tool like SolidWorks.

Outcome:

- Participants were able to understand the basic functioning of Automobiles.
- They were thoroughly informed with an interactive session about the recent advancements in the industry.
- Participants could imagine individual components and design on their own in virtual designing software.

Date and Time:

- 27th March Saturday: 6pm- 9:30pm
- 28th March Sunday: 6pm- 9:30pm
- 29th March Monday: 4pm- 6pm

Number of Registrations: 12

Google Meet Link: <https://meet.google.com/xgd-yfyh-fah>

Description:

Instructors – Madgear Motorsports Team

Topics Covered

- Transmission
- Braking
- Suspension
- Chassis
- Electricals
- Engine
- CAD/ CAM Design

Challenges Faced.

- Network Connectivity from participant’s side.
- Getting an interactive Workshop Environment in the online medium to keep students engaged.

Key Factor for The Success of The Event

- Instructor conveying difficult topics in very simple manner and keeping students constantly engaged.
- Hands-on training by the instructor and on the spot doubt solving.

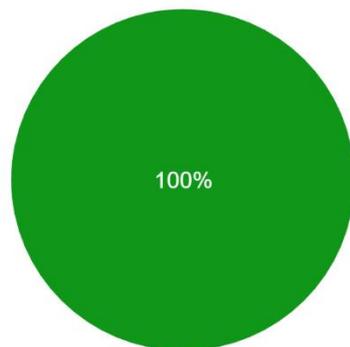
Individual Learning in Organising the Event

- Improved Communication Skills as got to interact with lot of students as well as faculties and industrial professionals.
- Team Management skills while organising the event and distributing the workload.
- Exposure to Online Technologies like Zoom and Google Meet.

Registrations:

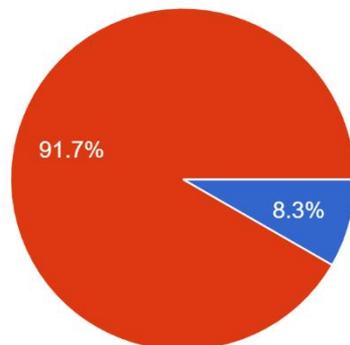
Branch

12 responses



Have you been a member of Madgear Motorsports Club atleast for 1 year?

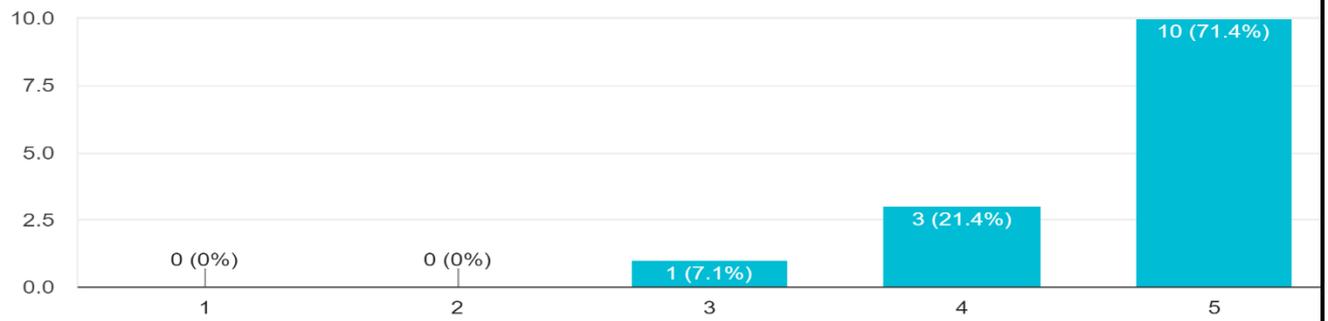
12 responses



Feedback:

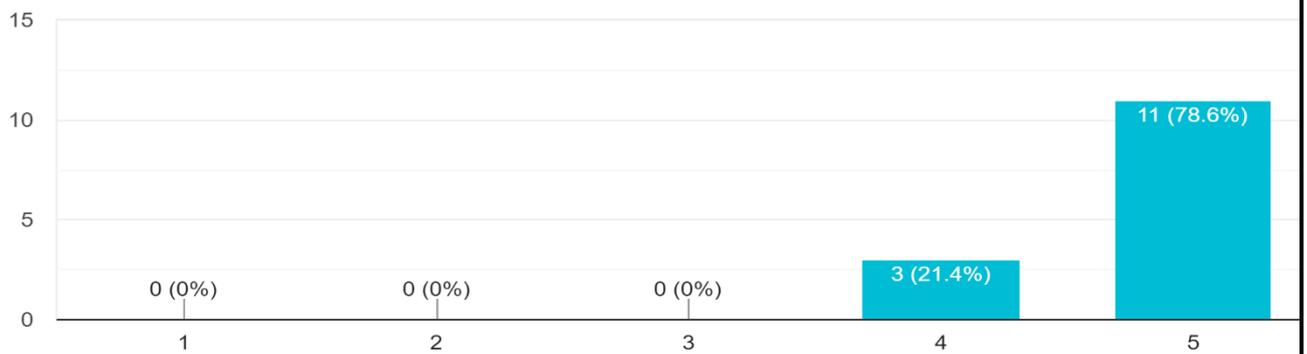
How would rate the quality of content taught by the instructor ?

14 responses



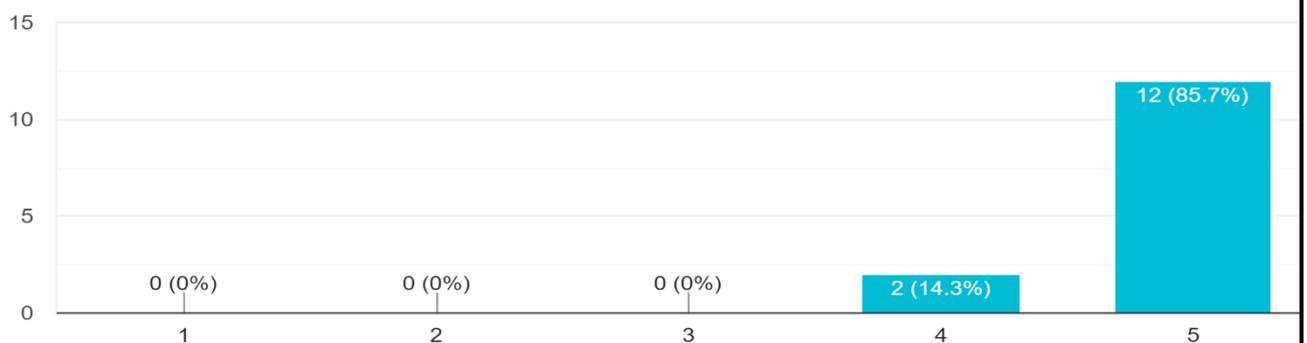
The instructor spent adequate time for questions and answered them satisfactorily

14 responses



How likely would you recommend this workshop to other students ?

14 responses



Any other feedback / suggestions

14 responses

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Was very well interactive
No such problem
If possible, plz try too arrange the meet on zoom

Everything was really awesome

The demonstration of concepts was excellent

It was a nice workshop at quite a good pace for everyone to keep up with

No

It was good....

-

It was goodd

Collage:



 In collaboration with Madgear Motorsports Club 

VEHICLE DYNAMICS

Workshop conducted by Madgear Workforce
Date: 24th March 2021
Entry Fee: ₹350

Workshops

44_TE-A_Gauri Patil is presenting

Army Palkar and 1 more

6:48 PM

1. Mechanical Braking system

2. Hydraulic Braking System

The image shows two diagrams. The first, '1. Mechanical Braking system', includes a cross-section of a drum brake with labels for components like the Caliper, Piston, Break pads, Motor, Hub, and Whisker release points. The second, '2. Hydraulic Braking System', shows a schematic of a master cylinder connected to a brake pedal, a reservoir, and various valves (Compressor, Unloader valve, Brake Valve) leading to wheel cylinders.

Meeting details

Turn on captions

44_TE-A_Gauri Patil is presenting

Souvik Giri is presenting

Vidhu Gupta is also here

9:09 PM

The diagram illustrates an SCR-based ignition system. It features a 'Generator (Excitor Coil and Spinning Magnet)' with a 'Small Magnet' and 'Pulse Rotor' (S, E, C, W) connected to a 'Trigger Coil'. The circuit includes an SCR, a Diode, a Capacitor, and an 'Ignition Coil' which is connected to a spark plug. An 'Electric Trigger' switch is also shown.

Report Prepared By: Kshitij Rao

