



VISHWAKARMA GOVERNMENT ENGINEERING COLLEGE, CHANDKHEDA

Report on a Webinar on "An All-Terrain Vehicle (ATV)"

Name of Department	:	VGEC-AA, Mechanical Department
Title of Webinar	:	"An All-Terrain Vehicle (ATV)"
Speaker Name, Designation & Affiliation	:	Mr Mihir Panchal, VGEC Alumnus
Date & Time	:	16/03/2021, 01:00 P.M. to 02:00 P.M.
Venue	:	ONLINE (Microsoft Teams)
No of Participants	:	55
Event Coordinators	:	Prof. Sanjay Pipaliya

About the Webinar

A webinar was organized by the Mechanical Department, VGEC Alumni Association on March 16th, 2021 in which 55 students joined to know about ATV (All-Terrain Vehicle). VGEC Alumnus Mr Mihir Panchal imparted knowledge about the topic.

Objectives

- The main objective of the webinar was to give an idea about the design and manufacturing processes and requirements of the ATV to the students.
- To give introductory information to new students about Computer-aided design (CAD) which is used in designing the soft model of the vehicle.
- To explain the phases and requirements while manufacturing the ATV.
- To explain the importance of practical exposure along with theoretical knowledge in design engineering.

Discussion Points

- Designing of the ATV to handle wide varieties of terrain.
- Key features of ATV.
- Speaker's own experiences about his hard work, failures, and resilience of the team.
- Importance of the team to create the vehicle and cross the hurdles in the way.
- Events like the supra SAE India and the baja SAE India.
- Process: Designing soft model in CAD, Welding up the whole vehicle and practicing.

Outcomes of the Webinar

The webinar was very educative for the students as per their feedback. They learnt about the design and manufacturing field. They were introduced to some of the essential required skills which will be helpful for them in their career.

Glimpses of the Webinar:

ABOUT ATV

- As the name implies, it is designed to handle a wider variety of terrain than most other vehicles.
- Here we build a Vehicle which is single seated and has the capacity to ride on any terrain with the full durability.



GLIMPSES OF AERO DESIGN



GLIMPSES OF SUPRA SAE INDIA

