



Baja SAE IIT Delhi

Overall tasks

- Design and Fabrication of one of the ATV for BAJA SAE INDIA events. The car was one of the lightest in 2014 event. The event had 327 participants in the Virtual Baja round which is a design presentation. The main event had 125 teams which could qualify the stringent virtual tasks. The Virtual Baja Presentation team was instrumental in ensuring qualification of the team to the next round.
- Conducting annual recruitments of first year students for the team and team wise skill development
- A team of 25 works on the vehicle for the events coming from various departments

Graduating Team Members

S. No.	Name	Entry No.	Team
1	Nayan Jain	2011ME10682	Suspension
2	Saumya Mathur	2011ME10725	Brakes
3	Sanjeev Ranjan	2011ME10724	Transmission
4	Zeeshan Ahmad	2011ME10420	Engine
5	Vivek Gaba	2011ME10742	Brakes
6	Anupam Yadav	2011ME10660	Brakes
7	Vaibhav Agarwal	2011ME10739	Chassis
8	Pranshu Jain	2011ME20786	Suspension

Team tasks

- **Brakes:** Design, development and sourcing of components for braking system, fine tuning of system and testing, Team of 5
- **Chassis:** Design and development of the chassis, Analysis on ANSYS for the designs and obtaining a high strength to weight ratio
- **Suspension:** Design, development and fabrication of components for vehicle's suspension, fine tuning of system and testing, Team of 3
- **Engine:** Sourcing and maintenance of engine, worked in close coordination with transmission team, integration with vehicle
- **Transmission:** Design and sourcing of transmission system, worked in close coordination with engine team
- **Recruitment team 2012 (Saumya Mathur, Sanjeev Ranjan) :** over 100 registrations, 50 recruits before selecting best of the lot



- **Recruitment team of 2013 (Sanjeev Ranjan, Zeeshan Ahmad):** over 50 registrations, 20 recruits after final selections
- **Virtual Baja Design Presentation Team of 2014**
 - **Sanjeev Ranjan (Presenter 1):** Engine, Transmission, Risks and Mitigation
 - **Nayan Jain (Presenter 2):** Suspension, Analysis and Management
 - **Saumya Mathur (Presenter 3):** Brakes, Execution and innovation
 - All other members supported the above presenters
 - The presenters received the Pearl Award for excellence by IIT Delhi

Posts

S.No.	Post	Holder	Entry No.	Contribution	Duration
1	Overall Coordinator	Nayan Jain	2011ME10682	coordination of various teams, sourcing aviation grade aluminium and composites	Sep 2013 - Apr 2014
2	Overall Co-Coordinator	Saumya Mathur	2011ME10725	coordination of various teams, sourcing steels	Sep 2013 - Apr 2014
3	Suspension Coordinator	Nayan Jain	2011ME10682	Designing suspension, performed first in-house CNC by team	Sep 2012 - Apr 2014
4	Chassis Coordinator	Vaibhav Agarwal	2011ME10739	Implementation of fixtures for welding, cost saving measures in profiling of chassis pipes	Sep 2012 - Apr 2012
5	Engine Coordinator	Zeeshan Ahmad	2011ME10420	sourcing components, integration of engine with vehicle	Oct 2012 - Mar 2014
6	Brakes Coordinator	Saumya Mathur	2011ME10725	designing and sourcing components, assembly with car, fine tuning	Sep 2012 - Apr 2014
7	Transmission Coordinator	Sanjeev Ranjan	2011ME10724	Designing and sourcing gear box, integration with suspension and engine, fine tuning, decision making on manual or CVT transmissions	Sep 2012 - Apr 2014
8	Web Administrator	Saumya Mathur	2011ME10725	developed first ever website and forum for any technical club, designed marketing media	Sep 2012 - Apr 2013
9	Web Administrator	Anupam Yadav	2011ME10660	maintenance and upgradation of web assets, marketing ppts and videos	May 2013 - Apr 2014