



The Society of Automotive Engineers (SAE) found in 1905 is an international engineering society established to “further develop mobility on land, in air, and in space”. SAE sets the standards in fields such as ground vehicles, aerospace, refrigerants and fuel cells etc...,

The organization sponsors intercollegiate events of which the MINI-BAJA is the most prestigious event. Its main aim is to have free exchange of ideas in technical problems, Development of Engineering Standards and provide a platform in-order to achieve all this.

What Is Baja SAE India?

BAJA SAE challenges the students to design, fabricate and validate a single seated and 3-seated four-wheeled off road vehicle to take part in series of events spread over a course of 4 days. The events test the vehicle for the sound engineering practices that have gone into it, the agility of the vehicle in terms of gradability, speed, acceleration and maneuverability and durability.

Baja SAE India, co-sponsored by Mahindra under the leadership of Dr. Pawan Goenka, is an annual event conducted at NATRAX, Pithampur, Indore. The event, which has excessive media coverage, is dignified by the presence of Big names of the automobile industry such as General Motors, Cummins, DC and Polaris.

Baja emphasizes on all aspects of engineering including design, research, fabricating, testing and marketing.

eBAJA 2k15:

It is an initiation of Late *Dr. A.P.J. ABDUL KALAM*, which is an Off-Road competition by using Electrical Drive Train system. The main aim of this event is to implement and achieve Electric drive vehicles for the competition without going for conventional drive transmission systems.

eBAJA 2k16:

It is the second edition of the Off-Road competition; eBAJA organized by Baja SAE India with a task to design and fabricate a 3 seated off road **Electrical Utility Vehicle**.

Delta Shoot Out 2014:

It is an *Off -Roading* competition held at Jamshedpur in 2014 under the sponsorship of **TATA MOTORS** and **Department Of Industrial Government Of Jharkhand**.



Baja Student India 2015:

It is formally known as **DELTA SHOOTOUT**



Experience and Knowledge gained as a Fresher:

- 1. We designed our first off road vehicle for the event Delta Shootout.*



We secured merit for the excellence in Acceleration event.



2. We were hailed for designing best durable vehicle at Baja Student India



With this positive energy, we designed second version of our Off Road vehicle for the event Baja Student India.



We Received many accolades for fabricating a rigid and maneuverable vehicle.



3. Designed the prestigious first ever Electrical Off Roding vehicle for the event eBaja 2k15, by SAE India.



SAE India conducted for the first time in the world, the electrical off road racing.





Winner of eBaja Initiative award (This event is an initiative of Late Dr. A P J Abdul Kalam)



Secured merit for excellence in both Endurance event and Acceleration event.



Overall runner up in the Championship of Electrical Off Roading.



4. Designed the first ever Electrical off Road UTILITY vehicle(3-seated) for the event eBAJA-2k16.by SAE India.



Least weighed and a standout amongst the rest.



Secured second prize in cost event and also in the overall static events:

