**Event Format**

Round 1- Team description paper(TDP) submission:

Every team needs to submit TDP that contains the personal details of its members and a Brief Abstract of their work as per the given TDP FORM. The team needs to send the filled TDP FORM latest by **December 27,2015** .

Round 2/ Final Round:

Selected teams need to come up with a design and necessary documentation for the Problem statement and present it in Shaastra,2016.

### What/How to submit:

Round 1:

Fill the TDP form sent before **Dec 27th,2015** and send it to **idp@shaastra.org**.

Incomplete forms shall not be entertained.

Round 2:

1. Present your idea in Shaastra,2016 (PPT is preferable).
2. Mail the below at **idp@shaastra.org** by 20th January,2015

* Report (not more than 10 A4 pages) should include-
  + Crisp explanation of the solution/idea
  + All the design assumptions and considerations
  + Should include design calculations
  + Kinematic/Dynamic analysis or FEM analysis (optional)
* 2D CAD drawing (Hand drawn or AutoCAD DWG) or 3D CAD model using any Modeling software (recommended)

**Problem Statement**

You need to come up with a **design** that helps the Elderly and Differently abled persons entrain and detrain. By "**Design**", we mean some kind of mechanism or mechanical contraption or device that can be fit to the bogie or made movable in the platform.

It’s a real-life Industry Problem, the solutions of which we expect you to provide using your knowledge,skills and creativity.

**Note** : The train stopping time at a station is not more than 3 minutes - 5 minutes.

**Focus** : Sleeper class coaches - Express and Superfast trains

**You are not allowed to make any major change to the design of the railway coaches**.

The Solution must be **Safe, Rugged, Reliable, Cheap and Scalable**

**Technical Information**:

We will provide the actual dimensions and details of the railway coaches and platform designs to teams qualified for Round 2.

TDP(Team description paper) can be found [here](https://drive.google.com/file/d/0B-3H5R6FziSEY0Q5OWZUMWRQNGs/view)..

NOTE: Mail your TDP in Word document at **idp@shaastra.org**.

Deadline for Submission of Team Description paper [TDP] is **27-December-2015.**

#### Rules and Regulations

1. A rough approach to the problem statement is expected in the TDP(includes Round 1 Questionnaire) .It is the basis for selection to ROUND 2.
2. **Judgement**: Decision of the Judges/Organizers is final and irrevocable. Here are some of the criteria on the basis of which your designs will be evaluated:

a. Uniqueness of the design

b. Feasibility of the design

c. Based on design analysis

1. We're looking for quality of content vis-a-vis quantity in TDP.Fill the TDP accordingly.Incomplete forms shall not be entertained.
2. Minimum 2 and maximum 4 members can be there in a team.
3. All the members of a particular team must be from the same college.
4. Deadline for submission of TDP is **27 December,2015**.

[http://shaastra.org/#/event/561574e7c8d15f6e1252ef1a/565d33d0fb9d39962a869bd0](http://shaastra.org/#/event/561574e7c8d15f6e1252ef1a/565d33d0fb9d39962a869bd0 )  <https://www.facebook.com/events/1137087329658359/>

[http://shaastra.org/#/event/561574e7c8d15f6e1252ef1a/565d33d0fb9d39962a869bd0](http://shaastra.org/%23/event/561574e7c8d15f6e1252ef1a/565d33d0fb9d39962a869bd0)