

CAD Venture

FIRST ROUND PROBLEM STATEMENT FOR

1st year:



Design a 3D train passenger compartment without a roof (in AutoCAD). It should include - body of the compartment having doors and windows, axle and wheels, inside structure having seats, walls and cabin etc. The design should have well-defined dimensions close to real life train compartment such as length of compartment, thickness of walls etc.

The version of AutoCAD to be used is from 2008-2010. Any modification can be made in the design structure but should be reasonable and justified.

Last date of submission of this problem is – 18 Sept. 2011 before 12:00 p.m.

2nd year:



Design a **Concept Car**. It need not be a running or working model i.e. we are not concerned with the mechanism of working .The design may include any kind of new concept i.e. the car may or may not be in existence. But the concept should be well justified. The design should include atleast car body having wheels, steering, windows, lights, seats, mirrors. More marks will be awarded for additional and complicated designed parts. The design should be made in either PRO-E, CATIA or SOLIDWORKS.

Apart from the CAD file you have to submit a doc file including the dimensions details of the designed model and brief description of the new design concept added (if any).

Last date of submission of this problem is – 18 Sept. 2011 before 12:00 p.m.

3rd year:



Design a **concept bike**. It need not be a running or working model i.e. we are not concerned with the mechanism of working. The design may include any kind of new concept i.e. the bike may or may not be in existence. But the concept should be well justified. The design should include atleast bike body including wheels, handle, lights, seat, mirrors, exahust. More marks will be awarded for additional and complicated designed parts. The design should be made in either PRO-E, CATIA or SOLIDWORKS.

Apart from the CAD file you have to submit a doc file including the dimensions details of the designed model and brief description of the new design concept added (if any).

Last date of submission of this problem is – 18 Sept. 2011 before 12:00 p.m.

Mail your

- **TEAM NAME**
- **Member's Name**
- **Registration number**
- **Collage name**
- **Branch**

ON

cadv.mechrocosm2k11@gmail.com