

Walchand Institute of Technology, Solapur.

Mechanical Engineering Department

ACCELERATION 2013-14

Acceleration is a National Level Technical Symposium being organized by Mechanical Engineering Department through Mechanical Engineering Students Association (MESA) every year. This competition consists of various events.

Objectives:

1. To Improve drawing and drafting skills.
2. To make student use latest software for modeling purpose.
3. To provide exposure of practical aspects in machining and assembly to the students
4. To improve soft skills, managerial and interpersonal skills

Outcomes:

Student will be able to...

1. Use the modern software for drawing.
2. Analyze drawing & Machine the component as per it within a stipulated time span with specified dimensional accuracy.
3. Get hands on experience of General & Quantitative tests through CAT-MAT-ability.
4. Plan, to develop logical thinking & maintain defined level of accuracy.

Events in Acceleration:

1. **Mad for CAD** is an event in which a product drawing is provided and students complete the same using AutoCAD or any similar drafting software in a specified time. Students get acquainted with various tools and commands of software.
2. **Assembly Drawing Race** Students get hands on experience of the practical aspects of production drawing. In this event details drawing is provided to the students and they have to prepare assembly drawing within a specified period of time.
3. **Workholics**: Students perform various machining operations on Lathe machine as per the drawing with certain level of dimensional accuracy, finish and have to complete the job within stipulated time.
4. **Crazy Innovators**: Students are given a real time problem related to industry or Society. They are supposed to develop a new product concept to solve that problem

5. **CATIA Race** is an event in which a product drawing is provided and students complete the model using CATIA software in a given time. Students will get acquainted with various tools and commands of software.

| Details of Participation in Various Events | | | | | |
|---|----------------------|---|--------------------------|---|---|
| <i>Sr. No.</i> | <i>Name of Event</i> | <i>Conducted for (Specify Branch and class of Students)</i> | <i>Dates</i> | <i>Total No. of Students participated</i> | <i>No. of Students from other institutes participated</i> |
| 1 | Mad for Cad | All Mechanical classes (S.E. to B.E) | 5 th Oct 2013 | 20 participants | 9 participants |
| 2 | Assembly Race | All Mechanical classes (S.E. to B.E) | 5 th Oct 2013 | 44 teams 88 participants | 14 teams 28 participants |
| 3 | Workholics | All Mechanical classes (S.E. to B.E) | 5 th Oct 2013 | 32 Teams 64 participants | 15 teams 30 participants |
| 4 | Crazy Innovators | All Mechanical classes (S.E. to B.E) | 5 th Oct 2013 | 07 | 02 participants |
| 5 | Catia Race | All Mechanical classes (S.E. to B.E) | 5 th Oct 2013 | 49 | 25 participants |

1. **Auto World Solapur has sponsored Assembly Race Event by providing Assembly kit & technical assistance.**