



ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

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Department of Mechanical Engineering

ACADEMICS YEAR 2016-17

Summary Report of Add-on / Certificate program with its Outcomes

Title of the Course: CATIA and ANSYS

Learning Outcomes : The student have learnt to

- Demonstrate competency with multiple drawing and modification commands in CATIA.
- Create three-dimensional solid models.
- Create three-dimensional assemblies incorporating multiple solid models.
- Apply industry standards in the preparation of technical mechanical drawings.
- Create Simulation of the assemblies incorporating multiple solid models.
- use the ANSYS package to solve basic engineering analysis problems using FEA techniques.

Title of The course : INDUSTRIAL SAFETY ENGINEERING

Course Outcomes : The student have learnt to:

- Understand the basic safety terms and international standards.
- Identify the hazards and risk analysis around the work environment and industries.
- Use the safe measures while performing work in and around the work area of the available laboratories. Able to recognize the sign boards and its application
- Recognise the types of fires extinguishers and to demonstrate the portable extinguishers used for different classes of fires.
- Report the case studies by sharing experience of the employees working in housekeeping, laboratories like workshops, electrical labs, machine shops, electronics and computer laboratories.
- Recognise the chemical and electrical hazards for its prevention and control

Title of the Course: Fire and Safety in Industry

Course Outcomes : The student have learnt to

- Understand the basic safety terms and international standards.
- Use the safe measures while performing work in and around the work area of the available laboratories. Able to recognize the sign boards and its applications
- Identify the hazards and risk analysis around the work environment and industries
- Recognise the types of fires extinguishers and to demonstrate the portable extinguishers used for different classes of fires.

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