



ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

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Department of Mechanical Engineering

ACADEMICS YEAR 2017-18

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

Title of the Course: QUALITY CONTROL [DESTRUCTIVE/NON DESTRUCTIVE TESTING]

Learning Outcomes : The student have learnt to

- select an appropriate NDT technique as per requirement
- set various process parameters and control the NDT process for the desired output parameters.
- Find the internal flaws in the material by NDT and take measures to eliminate them.
- Various problems encountered like leakage, cracks, blowholes etc with the manufacturing process by analyzing the data.
- competent enough to make use of modern tools and softwares for analyzing and solving real life problems
- introduce environmental friendly solutions to achieve organizational sustainability

Title of The course : GENERAL FABRICATION WORK

Course Outcomes : The student have learnt to

- Build thorough knowledge of various tools, machines, devices used in engineering practice.
- Acquire thorough knowledge of carrying out various operations in mechanical engineering workshop
- Utilize measuring skills gained in workshop practice
- Acquire “Hands on” training and practice to students for use of various tools, devices and machines
- Acquire skills in basic engineering practice for creating objects from raw materials
- Utilize practical skills in guiding works the trades

Title of the Course: CERTIFICATION COURSES ON QUALITY PROCESS

Course Outcomes : The student have learnt to

- Understand the fundamental principles of Total Quality Management
- Choose appropriate statistical techniques for improving processes
- Develop research skills that will allow them to keep abreast of changes in the field of Total Quality Management


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H. C. D.

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