

GUJARAT TECHNOLOGICAL UNIVERSITY (GTU)

III - SEMESTER

Course Title: Quality Management System

(Course Code: 1333403)

Diploma Programme in which this course is offered	Semester in which offered
Mechanical (Manufacturing Technology)	Third Semester

Module.	Topics	Hours
Module 1	Introduction to Quality 1.1 Definition of Quality 1.2 Customer Expectations 1.3 Need for Quality 1.4 Effects of poor quality 1.5 Importance of quality	6 h
Module 2	Quality circles 1.1 Definition of Quality 1.2 Customer Expectations 1.3 Need for Quality 1.4 Effects of poor quality 1.5 Importance of quality	6 h
Module 3	Introduction to ISO systems 3.1 Evolution of ISO standards 3.2 Introduction to QMS – ISO 9000 Series 3.3 Introduction to EMS – ISO 14000 Series	6 h
Module 4	Deming Quality wheel and PDCA 4.1 Introduction to Deming Quality wheel and PDCA	3 h
Module 5	Inspection 5.1 Inspection Plans 5.2 Stage Inspection 5.3 Random Inspection 5.4 Inspection reports 5.5 Company procedure	3 h