

GUJARAT TECHNOLOGY UNIVERSITY

M.Tech.(Civil)Transportation System Engineering

Syllabus

Major Elective1 : PAVEMENT SYSTEMS MANAGEMENT

Course Objectives

To counteract the problems of bad condition of roads causes discomfort, safety risk, larger travel time and travel cost, more fuel consumption and affected the quality of social life, national security and national economy. To create manpower in the country in the area of pavement systems management to meet the present and future needs, regarding overall road development.

Course Contents :

Pavement Management Process. Pavement Evaluation and Performance. Design Alternatives; Analysis Evaluation and Selection. Implementation of PMS. Case Studies Related to PMS.

Pre-requisite : Nil

Reference Books :

1. Haas, R.C.G. and Hudson, W.R., "Pavement Management System", McGraw Hill Company, Inc. New York
2. Yoder E.J., "Principals of Pavement Design", Second Edition, John Wiley & Sons, Inc. New York 1975.