

SHANTILAL SHAH ENGINEERING COLLEGE, BHAVNAGAR

CIVIL DEPARTMENT

COURSE – PDDC

ISC MST SYLLABUS APRIL 2022

1 Fundamental of smart city & Infrastructure:

Introduction of Smart City, Concept of smart city, Objective for smart cities, History of Smart city world and India. Need to develop smart city, Challenges of managing infrastructure in India and world, various types of Infrastructure systems, Infrastructures need assessment.

2 Planning and development of Smart city Infrastructure:

Energy and ecology, solar energy for smart city, Housing, sustainable green building, safety, security, disaster management, economy, cyber security, Project management.

3 Intelligent transport systems

Smart vehicles and fuels, GIS, GPS, Navigation system, traffic safety management, mobility services, E-ticketing