GUJARAT TECHNOLOGICAL UNIVERSITY
M.E. Computer Engineering
(Wireless Mobile Computing)
Semester: III

Subject Name: **Security in Wireless and Mobile Systems**
Subject Code: **735302**

Course Content:

Overview: Security - Threats, Vulnerabilities, Attacks, Integrity, Confidentiality, Policyand relevant definitions

Authentication – Different techniques

Cryptography – Symmetric Key Cryptography, Asymmetric key Cryptography, Key management, Digital signatures, Certificate

Distributed Systems Security – Cipher techniques, Protection systems, Example protocols

Wireless and Mobile system security – Strategies, Routing security, Different schemes for MANET

Text Book:

1.   Wireless and Mobile Network Security by Venkataram/TMH

References Books:

1. Wireless Security: Models, Threats And Solutions by Randall Nichols/TMH
2. Wireless Security Essentials: Defending Mobile Systems from Data Piracy by Russell Dean Vines/john wiely & sons