

SARDAR PATEL UNIVERSITY
Programme & Subject: M.Sc – Information Technology (Integrated)
Semester: IX
Syllabus with Effect from: June-2016

Paper Code: PS09CIIT01	Total Credit: 4
Title Of Paper: Emerging Trends in IT	

Unit	Description in Detail	Weightage (%)
I	Trends in Hardware & Software Technology Hardware selection Trends in hardware technology New industrial requirements New development tools New software technologies New software applications	25%
II	Trends in Data Storage and Processing Data Warehousing Data Mining and application domains	25%
III	Trends in Security Mechanisms New Security Mechanisms New Security Algorithms	25%
IV	Trends in Mobile Computing New mobile operating systems, their usage New mobile applications	25%

Basic Text & Reference Books:-

- Alex Berson, Stephen Smith & Kurt Thearling: “Building Data Mining Applications for CRM”, Tata McGraw Hill, 2000.
- Ian H. Witten & Eibe Frank: “Data Mining –Practical Machine Learning Tools and Techniques”, Elsevier, Third Edition, 2011.
- ICT Magazines on Current Topics
- Online material
- William Stallings : “Cryptography and Network Security”, Prentice-Hall of India, Sixth Edition, 2011.
- Behrouz Forouzan: “Introduction to Data Communication & Networking”, Tata McGraw Hill, 1999.

