B.S. Computer Science

(For the students admitted from the academic year 2011-2012 and onwards)

CBCS PATTERN

Skill based subject

Skill-1 CS

SOFTWARE ENGINEERING & SOFTWARE PROJECT MANAGEMENT

UNIT – I:


UNIT – II:

The system design process – software design and software engineering – The design process – Design principles – Design concepts – Effective modular design – Design heuristics for effective modularity - User interface Design

UNIT – III:

Software testing techniques – Software testing fundamentals – White box testing – Basis path testing – Control structure testing – Black box testing. Software testing strategies – A strategic approach to s/w testing – Validation testing – System testing – The Art of debugging

UNIT – IV:

UNIT – V:

Software requirements gathering – steps to be followed – skills sets required – challenges.


TEXT BOOKS:


REFERENCE BOOKS:
