

VEER NARMAD SOUTH GUJARAT UNIVERSITY – SURAT
Bachelor of Computer Application (B.C.A) 2nd Year
Syllabus (As Per CBCS)

S. Y. B. C. A. Semester 4
Effective From: June-2012

Paper No.: 402

Paper Title: SOFTWARE ENGINEERING - II

1. Business Blue Print

- 1.1. Flow Diagram Of Application
- 1.2. Output Design
- 1.3. Input Design
- 1.4. Freezing Business Blue Print

2. Information Systems Development

- 2.1. Code Design
- 2.2. Test Data Preparations
- 2.3. Module Testing

3. Software Testing

- 3.1. Testing Fundamentals
- 3.2. Functional and Structural Testing
- 3.3. Testing Process

4. Application Change Over

- 4.1. Integrated Testing
- 4.2. Data Creation & Conversion
- 4.3. Types of Changeover
- 4.4. User Training

5. System Documentation And Maintenance

- 5.1. Documentation Essentials
- 5.2. Documentation Methods
- 5.3. Developer and User Manuals
- 5.4. Review & monitoring Of Execution
- 5.5. Application Change Management

Note: Case studies may be carried out at appropriate stages of the course.

Reference Books :

- 1. R.S.Pressman, Software Engineering – A Practitioners’ approach – McGraw Hill
- 2. Richard Fairley, Software Engineering concepts – McGraw Hill
- 3. Elias M : System Analysis & Design – Galgotia Pub.
- 4. Pankaj Jalota : An integrated approach to software engineering – Narosa.
- 5. Software Engineering A Concise Study – Kelkar - PHI

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6. Richard Fairley : System Analysis & Design - Galgotia Publications
7. Sstzinger, Jackson, Burd: System Analysis & Design in changing world
8. Prof. S. Parthasarthy & Prof. B.W. Khalkar : System Analysis & Design & Introduction to S/W Engineering.