



FAIRFIELD Institute of Management & Technology

(Affiliated to GGSIP University, New Delhi)

तेजस्वि नावधीतमस्तु
ISO 9001:2008 & 14001:2004
NAAC ACCREDITED

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Grade Institute by DHE, Govt. of NCT Delhi, Affiliated to GGSIP University Delhi
and Approved by Bar Council of India & NCTE

BCA:4thSemester

Software Engineering

Code: BCA 208

OBJECTIVE:

The objective of this paper is to identify the foundation terms and concepts that are commonly used in **Software Engineering**. This course will give complete descriptions about the terms used in the **Software Engineering**.

QUESTIONS:

1. Explain Software Development life cycle.
2. Explain the Software Requirements analysis using DFD
3. Explain the COCOMO model for the cost estimation in Software engineering
4. Explain the Unit Testing, Integration Testing and System Testing
5. Explain the Reverse Engineering, Software Re-engineering. Explain the Configuration Management, Documentation during Software Maintenance

PROCEDURE:

For completing the assignment students should refer to the books mentioned in syllabus and they can take help from internet. The assignment should be handwritten and properly filled. Students should make assignment in the following manner:

1. Cover page
2. Objectives
3. Index
4. Content
5. Conclusion
6. References
7. Softcopy AND Hardcopy
8. Give proper headings and subheadings
9. Explain every topic in points and using diagrams.
10. Put Examples

OUTCOME:

After doing this assignment, students will come to understand the important terminologies to related to the **Software Engineering**.

TEXT BOOKS

[T1] K. K. Aggarwal & Yogesh Singh, "Software Engineering", 2nd Ed., New Age International, 2005.

[T2] Rajib Mall, "Fundamental of Software Engineering", 3rd Edition, PHI Learning Private Limited

[T3] I. Sommerville, "Software Engineering", 9th Edition, Pearson Edu.

REFERENCE BOOKS:

[R1] Jibitesh Mishra and Ashok Mohanty, "Software Engineering", Pearson

[R2] R. S. Pressman, "Software Engineering – A practitioner's approach", 5th Ed., McGraw Hill Int. Ed., 2001