

R18

Code No: 155GB

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech III Year I Semester Examinations, January/February - 2023

SOFTWARE PROJECT MANAGEMENT

(Computer Science and Engineering – Data Science)

Time: 3 Hours

Max. Marks: 75

Note: i) Question paper consists of Part A, Part B.

ii) Part A is compulsory, which carries 25 marks. In Part A, Answer all questions.

iii) In Part B, Answer any one question from each unit. Each question carries 10 marks and may have a, b as sub questions.

PART – A**(25 Marks)**

- 1.a) What is design phase of water fall model? [2]
- b) What is importance of requirements phase? [3]
- c) How do you reduce software product size? [2]
- d) How can we transition to an iterative process? [3]
- e) What is production stage? [2]
- f) What are pragmatic artifacts? [3]
- g) What are minor milestones? [2]
- h) What are work breakdown structures? [3]
- i) What are quality indicators? [2]
- j) What do you mean by metrics automation? [3]

PART – B**(50 Marks)**

2. Explain conventional software Management and performance in detail. [10]
- OR**
3. Explain evolution of software economics in detail. [10]
4. How can we improve team effectiveness and automation? Explain in detail. [10]
- OR**
5. What are the principles of conventional software Engineering? Explain. [10]
6. Explain Software process workflow in detail. [10]
- OR**
7. Explain management artifacts and engineering artifacts in detail. [10]
- 8.a) Explain Line-of-Business Organizations.
- b) Explain evolution of organizations in detail. [5+5]
- OR**
9. Explain cost and schedule estimation in detail. [10]
10. What are next generation software economics? Explain. [10]
- OR**
11. Explain modern project profiles and modern process transitions. [10]

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