



R17 Regulation

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous, Accredited by NAAC with 'A' Grade)

Subject code: 1E7FG

B.Tech IV Year I Semester Regular Examinations, February 2021

Software Process and Project Management
(Information Technology)

Maximum Marks: 70

Date: 04.03.2021 Duration: 3 hours

- Note:**
1. This question paper contains two parts A and B.
 2. Part A is compulsory which carries 20 marks. Answer all questions in Part A.
 3. Part B consists of 5 Units. Answer any one full question from each unit.
 4. Each question carries 10 marks and may have a, b, c, d as sub questions.

Part-A

All the following questions carry equal marks

(10x2M=20 Marks)

- 1 Define Software maturity Framework.
- 2 Distinguish between Initial and Repeatable process.
- 3 List down the software management renaissance.
- 4 How does software economics improve?
- 5 What are the periodic status assessments?
- 6 Differentiate between Iteration and pragmatic planning.
- 7 Define Process Automation.
- 8 Define the Management and Quality indicators.
- 9 Define Modern Process Transitions.
- 10 Define model project profiles.

Part-B

Answer All the following questions.

(10M X 5=50Marks)

- 11 Explain various process reference models such as CMM, CMMI, PCMM, PSP and TSP. (10M)
- OR
- 12 Explain the steps involved in design of framework for software process assessment. (10M)
 - 13 Explain the purpose and importance of project management from the perspectives of planning, tracking and completion of projects. (10M)
- OR
- 14 Explain various Artifacts sets such as management, engineering and pragmatic artifacts. (10M)

15 What are the Software Process workflows and how to reach the milestones in it.(10M)

OR

16 Explain the Planning guidelines for cost and schedule estimation process of software projects.(10M)

17 Explain the process of implementation of different software metrics.(10M)

OR

18 Explain about Line-of-business Organizations and Project Organizations.(10M)

19 Explain about Next generation software economics.(10M)

OR

20 Elaborate on Modern Project Profiles.(10M)