K. J. Somaiya Institute of Technology, Sion, Mumbai-22
(Autonomous College Affiliated to University of Mumbai)

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Nov – Dec 2024-25
(B. Tech / M. Tech.) Program: Information Technology Scheme: II B
Regular/Supplementary Examination: TY Semester: VI
Course Code: ITC603 and Course Name: Advanced Software Engineering and Project
Management
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<tr><td>Date of Exam: 29/05/2025</td><td colspan="2">Duration: 02.5 Hours</td><td>Max. Marks: 60</td></tr>
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Instructions:
(1) All questions are compulsory.
(2) Draw neat diagrams wherever applicable.
(3) Assume suitable data, if necessary.

Q. No.	Question	Max. Marks	CO	BT level
Q 1	**Solve any two questions out of three: (05 marks each)**	10		
a)	List and explain Agility Principles		CO1	U
b)	Explain Describe User Interface Design		CO2	U
c)	Explain W5HH Principle		CO3	U
Q 2	**Solve any two questions out of three: (05 marks each)**	10		
a)	Describe change and version control process		CO4	U
b)	List and Describe types of Architecture style		CO5	U
c)	Explain Importance of Micro Services and Monolithic Architectures		CO6	U
Q.3	**Solve any two questions out of three. (10 marks each)**	20		
a)	Explain Kanban processing agile Model		CO1	U
b)	Explain Interface Design Steps Analysis and Evaluation process		CO2	U
c)	Explain Project charter and Project scope		CO3	U
Q.4	**Solve any two questions out of three. (10 marks each)**	20		
a)	Describe Software Configuration Management and SCM Repositories		CO4	U
b)	List and describe types of Architecture pattern		CO5	U
c)	Explain the challenges of Monolithic Architecture		CO6	U

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