Course title: software project management

Course code: comp 419

Question 1   30 marks   (Compulsory)

a) Explain the importance of software project management (10 MARKS)
b) Understanding and engaging stakeholders are crucial for project success. Explain in details three stakeholder's analysis to make the project successful (6 marks)
c) Time and cost estimation are critical aspects of project planning and involve predicting the resources required for each task. Explain three elements why Time, cost and Budget estimation is important (6 marks)
d) State ethical considerations that guides decision making and conducts of software managers (6 marks)

Question 220 MARKS

a) Define testing techniques, explain three types techniques (6 marks)
b) What are different strategies to employed to address conflicts in the project team (8 marks)
c) What are the effective ways to manage and respond to Risks (6 marks)

QUESTION 3 (20 MARKS)

a) Identified Risk analysis involved in assessment during software project management (4 marks)
b) The correctness and functionality of the software has four stages, explain them (8 marks)
c) Explain waterfall model in software development (6 marks)
d) Project initiation considers three elements during project identification and selection, state them (2 marks)

QUESTION 4 20 MARKS

a) When tracking project progress and performance, there are identified indicators, state and explain them (6 marks)
b) Explain the objectives of quality assurance to both customer and industry standards (6marks)
c) Explain roles of a software project manager (8 marks)

Question 5 20 marks

a) Explain in details three agile methodologies (6 marks)
b) What is change management, explain three elements of change management (6 marks)
c) Make a difference between quality assurance and quality control (4 marks)

d) Explain four ways of communication to make software project management a success(8 marks)