Part 4. Project Quality Management

TASKS

1. Develop a list of at least eight quality standards/requirements of the system to be developed related to meeting the stakeholder expectations. Also provide a brief description of each of those quality standards/requirement. For example, a requirement might be that 90 percent of employees have logged into the system within two weeks after the system rolls out.

2. Based on the list created for Task 1, determine how you will measure progress on meeting the requirements. For example, you might have employees log into the system as part of the training program and track who attends the training. You could also build a feature into the system to track usage by user name, department, and other criteria.

Part 5. Project Resource Management

TASKS

1. Prepare a responsibility assignment matrix for the project based on the following information: The main tasks for testing include writing a test plan, unit testing, integration testing for each of the main system modules, system testing, and user acceptance testing. In addition to the project team members, a team of user representatives is available to help with testing. Prepare a RACI chart to help clarify roles and responsibilities for these testing tasks and for your project. Document key assumptions you make in preparing the chart.

2. The employees of the outside consulting firm and the user representatives have asked you to create a resource histogram to show how many people you think the project will need for testing, and to show when testing will occur. Assume that the consulting firm has junior and senior testers and that the user group has workers and managers. You estimate that you'll need the involvement of both groups in testing over a period of seven weeks. Assume that you'll need two senior tester for all seven weeks, three junior testers for the last four weeks, one user-group workers for the two weeks, four user-group workers for the last three weeks, and three user-group managers for the last two weeks. Create a resource histogram.

Part 6. Project Risk Management

TASKS

1. Create a risk register for the project. Identify eight potential risks, including risks related to the problems described in the previous paragraph. Include six negative and two positive risks with descriptions/analyses.

2. Plot the eight risks on a probability/impact matrix. Also assign a numeric value for the probability and impact of each risk on meeting the main project objective. Use a scale of 1 to 10 in assigning the values, with 1 representing the lowest values. For a simple risk factor calculation, multiply the probability score and the impact score. Add a column called Risk Score to your risk register to the right of the impact column. Enter the new data in the risk register. Write your rationale for how you determined the scores for each of the negative risks and each of the positive risks.

3. Develop a response strategy for each of the negative risks and each of the positive risks. Enter the information in the risk register. Also write a separate paragraph describing what specific tasks would be required to implement the strategy. Include time and cost estimates for each strategy as well.