



FACULTY OF INFORMATION & COMMUNICATION TECHNOLOGY

BITI 2513

ARTIFICIAL INTELLIGENCE PROJECT MANAGEMENT

Lab 11

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LAB 11:QUALITY PROJECT MANAGEMENT

1. Explain briefly the project **quality management process and output** in planning, executing, monitoring and controlling the artificial intelligence project.

Every phase of a good AI project involves proper and effective Project Quality Management. For the planning phase, the process involved is Quality Planning. The outputs for Quality Planning include quality management plan, quality metrics, quality checklists, process improvement plan, quality baseline and updates to the project management plan.

Quality Assurance is the Project Quality Management process for the executing phase. Its outputs involve requested changes, recommended corrective actions, updates to organizational process assets and the project management plan.

For monitoring and controlling the artificial intelligence project, the process is Quality Control. Quality Control outputs are quality control measurements, validated and recommended defect repair, recommended corrective and preventative actions, requested changes, validated deliverables, and updates to the quality baseline, organizational process assets, and the project management plan.

2. Prepare the Expectations Management Matrix (EMM) for your AI Project Management using EMM below and with the given sample in the Table 1.

Expectations Management Matrix

Prepared by : Ramanan Gobalakrishnan

Date: 2/1/2021

| Measure of Success | Priority | Expectations | Guidelines |
|--------------------|----------|--|--|
| Scope | 3 | Scope clarifies the goal of the project. | To be able to differentiate between male and female using pictures/images. |
| Time | 2 | There is no compromise in the time taken to finish the project. Each important deadline has to be met with compromising results. | The sponsor of the project and the project manager has to be aware of the issues that may occur before the deadline or schedule. |
| Cost | 4 | The right amount of funds are needed to produce an acceptable and compromising product for our customers. | Acquire a sponsor who can provide the funds for the project and have a financial manager to properly manage the funds for the project. |
| Quality | 1 | Our system should be able to detect and differentiate between genders with optimal quality by using computer vision by following our processes for testing the system. | Create a group of experts who are well versed in using facial recognition to be able to differentiate between genders. |

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|-----------------------|---|--|---|
| Customer Satisfaction | 5 | Customer satisfaction is about satisfying their expectations by understanding, evaluating and managing their requirements. | Those who are involved in the project must prepare proper documentations and presentations and satisfy customers' satisfaction. |
| ROI Projection | 6 | The Gender Detection with Computer Vision project expects a 35% return of investment within 10 years of implementation. | Finance experts within the team are instructed to carefully research and calculate the ROI for the project. Achieving a higher ROI will attract more investors and ensure future success for the project. |