

**Course Title: Six Sigma Yellow Belt**

**Course Code: PC 102**

**Course Background / Summary:**

Six Sigma ( $6\sigma$ ) is a set of techniques and tools for process improvement. Six Sigma strategies seek to improve the quality of an output of a process by identifying and removing the causes of defects and minimizing variability in manufacturing and business processes. It uses a set of quality management methods, mainly empirical, statistical methods, and creates a special infrastructure of people within the organization who are experts in these methods.

**Course Objectives:**

- Communicate using Six Sigma concepts.
- Gain an overview of Six Sigma and how to use basic problem-solving tools.
- Understand DMAIC for operational and transactional processes.
- Learn how to use data and basic statistics.
- Relate Six Sigma concepts to the overall business mission and objectives.
- Use the concept of a Sigma Level to evaluate the capability of a process or organization.
- Establish the structure that supports and sustains Six Sigma Quality.

**Target Audience:**

- Associate/ Assistant Engineers, Senior Technicians, Administrative Executives/ Officers, and/ or anyone who wants to be a trained Six Sigma project team member.

**Course Duration: 10 Days**

**Course Contents**

**Phase 1: Define**

**Phase 2: Measure**

**Phase 3: Analyze**

**Phase 4: Improve**

**Phase 5: Control**