

**Module I**

Operations management—meaning, definitions, scope and objectives—interaction of operations management with other areas—manufacturing and non manufacturing operations and their characteristics.

15 Hours

**Module II**

Facilities planning—plant location—factors determining plant location— plant layout—process layout and product layout—materials handling—MRP—Principle equipments.

12 Hours

**Module III**

Capacity planning—estimation of capital requirements—maintenance management—types of maintenance -work study—time and method study—work measurement, meaning, scope and importance.

15 Hours

**Module IV**

Operations planning and control—objectives of operations planning—planning procedure— operations planning categories ( concept only) operations control—meaning , importance and objectives—techniques of operations control.

15 Hours

**Module V**

Quality control—Concept of quality—quality planning—statistical quality control—control charts( X chart and R chart Only)—management of quality in organizations—quality circles— TQM.

15 Hours