

# TECNIA INSTITUTE OF ADVANCED STUDIES

Grade 'A' Institute

Department of Management Sciences

## Master of Business Administration (MBA)

Scheme and Syllabus (w.e.f. AS 2021-22)

### Sustainable Operations Management

Course Code: MS-108

L - 3, Credit - 3

**Objectives:** The course will enable students appreciate the strategic significance of operations management in a highly competitive global economy and to introduce various principles, concepts, tools and techniques in the area of operations management. Students are expected to gain a conceptual understanding of the subject and relate them to practical application in real life situation.

#### Course Outcomes (COs)

After completion of this course, the learners will be able to:-

<b>CO1:</b>	Define operations management and discuss its scope and its strategic significance for the organizations to achieve competitive advantage as well as the nation to enhance its productive efficiency.
<b>CO2:</b>	Explain the major milestones and trajectory of evolution of operations management as a field of study, discuss the contribution of various individuals and organizations to the field of operations management.
<b>CO3:</b>	Identify the major decision areas included in operations management and explain the principles, concepts, tools and techniques employed for decision making in each of the decision areas.
<b>CO4:</b>	Identify the processes of product design and development, analyse various approaches, to product development, compare and classify manufacturing and service delivery processes and analyse the factors determining process selection.
<b>CO5:</b>	Apply various tools and techniques and use operations analytics for operations planning and control and managing supply chains.
<b>CO6:</b>	Design and implement quality management systems applying both traditional and Japanese management philosophies for sustainable operations management.