

Operations Management  
Sem IV

I> Course Content:

Semester	IV Core
Subject	Operations Applications & Cases
Course Code	MMSOE402 (RGCMS)
Credits	4
Duration	40

**Learning Objective:**

To understand the complex process and operations of product and service industry

To apply various techniques, tools & practices in different situations to design & execute system in best manner

To develop a model as an extension from academic to practical complex real life situation.

**Module**

Sr. No.	Content	Activity	Course Outcome
1.	Application of Operations Management in Complex situations, Resource planning, Process analysis review	Discussion, Lectures and cases on excel	MMSOE402.1
2.	Applications in production & retail sector, practical examples of MRP-I & II on Excel	Discussion, Lectures and cases on excel	MMSOE402.2
3.	Applications related with workforce, examples of aggregate planning on Excel	Discussion, Lectures and cases on excel	MMSOE402.3
4.	Applications related with plant, investment, replacement & maintenance, Robotic process and financial evaluation, optimum period of replacement on excel	Discussion, Lectures and cases on excel	MMSOE402.4
5.	Application of learning in tendering & bidding, cost aspects, examples on excel	Discussion, Lectures and cases on excel	MMSOE402.5
6.	Uses in insurance, BPO/KPO, entertainment, production, etc.	Discussion, Lectures and cases on excel	MMSOE402.6

II> Course Outcomes

Course Code	Course Outcomes	Cognition
MMSOE402.1	CO1: Understand the importance of operations management in general	Understand
MMSOE402.2	CO2: To study applications of operations management in production and retail segment	Apply
MMSOE402.3	CO3: To study applications of operations management in workforce management	Analyse

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<b>MMSOE402.4</b>	CO4: To study applications of operations management in plant maintenance	Evaluate
<b>MMSOE402.5</b>	CO5: To study applications of operations management in tendering	Apply

Reference Books

Sr. No.	Books
1.	Operations Applications & Cases - Chase & Jacob
2.	Operations Applications & Cases – Gaither - Samson & Singh
3.	Operations Applications & Cases - Samson & Singh
4.	Operations Applications & Cases - L C Jhamb