



# SWARNANDHRA COLLEGE OF ENGINEERING & TECHNOLOGY (AUTONOMOUS)

Accredited by National Board of Accreditation, AICTE, New Delhi, Accredited by  
NAAC with "A" Grade – 3 32 CGPA Recognized under 2(f) & 12(B) of UGC Act 1956,  
Approved by AICTE, New Delhi, Permanent Affiliation to JNTUK, Kakinada  
Seetharampuram, W.G DT., Narsapur-534280, (Andhra Pradesh)

## DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

### TEACHING PLAN

Course Code	Course Title	Semester	Branches	Contact Periods /Week	Academic Year	Date of commencement of semester
24MB2 T03	Operations Management	II	MBA	5	2024-25	19-02-2025

#### COURSE OUTCOMES

1	Understand the basic concepts of operations management and some of the key issues which confront operations management in a business organization (K2)
2	Analyze the factors that need to be considered for site location, different types of facility layout and their characteristics, optimization of product/process layout. (K4)
3	Determine the elements that constitute the aggregate plan, preparation of aggregate demand, and specification of organizational policies for smoothing capacity utilization. (K3)
4	Determine the basic concepts of productivity and its role in the organization, (K3)
5	Understand the concept of quality and identify requirements of quality improvement programs. [K2]

UNIT	Out Comes / Bloom's Level	Topics No.	Topics/Activity	Text Book / Reference	Contact Hour	Delivery Method
I	Understand	Introduction				



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	the basic concepts of operations management and some of the key issues which confront operations management in a business organization (K2)	1.1	Introduction of Production/Operations mgt	T1, R1	1	Chalk & Talk, PPT, Active Learning & Tutorial
		1.2	Nature of Operation/ Production Management	T1,R1	1	
		1.3	Scope of Operation/ Production Management	T1, R1	1	
		1.4	Relationship with other functional <u>areas</u>	T1, R1	1	
		1.5	Recent trend in Operation Management	T1, R1	1	
		1.6	Manufacturing & Theory of Constraint	T1, R1	1	
		1.7	Types of Production System	T1, R1	1	
		1.8	Continuous production System/ Non-Continuous production System	T1,RI	2	
		1.9	Just in Time (JIT) & lean	T1,RI	1	
Total					10	
II	CO2:	Product design & Process Selection				





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	Analyze the factors that need to be considered for site location, different types of facility layout and their characteristics, optimization of product/process layout. (K4)	2.1	Product Design	T1, R2	1	Chalk & Talk,  PPT  Tutorial, Active Learning & Case Study
		2.2	Stages in Product Design process	T1, R2	2	
		2.3	Factors affecting product design	T1, R2	2	
		2.4	Process Design	T1, R2	2	
		2.5	Factors, Types of Process Design	T1, R2	1	
		2.6	Value Analysis	T1, R2	1	
		2.7	Facility location	T1, R2	1	
		2.8	Plant Lay out	T1, R2	1	
		2.9	Types of Plant layout	T1, R2	1	
		2.10	Job Design	T1, R2		
Total					10	
III	CO3: Determine the elements that constitute the aggregate plan, preparation of aggregate demand, and specification	Forecasting & Capacity Planning				
		3.1	Methods of forecasting	T2, T3, R 3	1	Chalk & Talk,  PPT,  Tutorial
		3.2	Aggregate Production Planning	T2, T3, R3	1	
		3.3	Production strategies	T2, T3, R3	1	
		3.4	Capacity Requirement Planning	T2, R3	1	



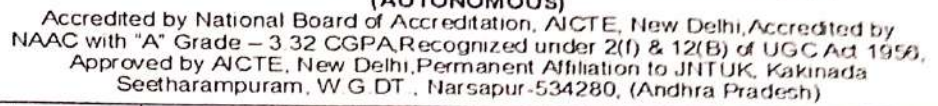
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	of organization al policies for smoothing capacity utilization. (K3)	3.5	Material Requirement planning	T1	1		
		3.6	Scheduling	T2	1		
		3.7	Supply Chain Management	T2, T3, r3	1		
		3.8	Purchase Management	T1	1		
		3.9	Inventory management	T1	1		
		3.10	Inventory Control techniques	T2, T3, R3	1		
		3.11	Production Planning and Control	T2R3	1		
Total					13		
IV	CO4:	Productivity					Chalk & Talk, PPT Tutorial, Active Learning & Case Study
	Determine the basic concepts of productivity and its role in the organization, (K3)  1	4.1	Productivity-Meaning ,Formula	T2, T3, R3	1		
		4.2	Measurement of productivity	T2, R3	1		
		4.3	Factors Affecting Productivity	T1	1		
		4.4	Work study/ Method Stud	T2, T3, R3	2		
		4.5	Techniques in method Study	T2, T3, R3	1		
		4.6	Work measurement Techniques	T2, T3, R3	1		
		4.7	Engineering and Behavioral Approaches	T2, T3, R3	1		







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S. NO.	AUTHORS, BOOK TITLE, EDITION, PUBLISHER, YEAR OF PUBLICATION
T1	k.Aswathappa and Sridhar Bhatt, production & operations management, Himalaya, New Delhi, 2012
T2	Upendra Krchu, Production & Operations Management, Excel Books, New Delhi, 2013.
T3	Deepak Kumar Battacharya, , Production & Operations Management, University Presss, New Delhi, 2012.

### Reference Books:

S. NO	AUTHORS, BOOK TITLE, EDITION, PUBLISHER, YEAR OF PUBLICATION
R1	Ajay .K.Garg, , Production & Operations Management, TMH, New Delhi, 2012.
R2	L.C.Jhamb, , Production & Operations Management, Everest Publishing House, New Delhi, 2013.
R3	Kaushal, Case studies solutions in Production & Operations Management, Mc.Millan, New Delhi, 2012.

### Web Details

1	<a href="https://www.bigcommerce.com/blog/inventory%20management">https://www.bigcommerce.com/blog/inventory management</a>
2	<a href="https://www.slideshare.net/ismatullahzazai/operationmanagementnotes">https://www.slideshare.net/ismatullahzazai/operationmanagementnotes</a>

	Name	Signature with Date
i Faculty	Ms. P. Suchitra	P. Suchitra
ii Course Coordinator	Ms. D. Haleena	Haleena
iii Module Coordinator	Ms. D. Haleena	Haleena
iv PROGRAMME COORDINATOR	Dr. G. Grace	G. Grace

Principal