

LSCM 3001	Project Management	L	T	P	C
Version 1.0		2	1		3
Pre-requisites/Exposure	The participants should have knowledge of Operations Management and Basic knowledge of Accounting				
Co-requisites	Mathematics				

Course Objectives

The objectives of this course are to:

1. To make them understand the concepts of Project Management for planning to execution of projects.
2. To make them understand the feasibility analysis in Project Management and network analysis tools for cost and time estimation.
3. To enable them to comprehend the fundamentals of Contract Administration, Costing and Budgeting.
4. Make them capable to analyze, apply and appreciate contemporary project management tools and methodologies in Indian context.

Course Outcomes

On completion of this course, the students will be able to:

- 1. Understand project characteristics and various stages of a project.**
- 2. Understand the conceptual clarity about project organization and feasibility analyses –
Market, Technical, Financial and Economic.**
- 3. Analyze the learning and understand techniques for Project planning, scheduling and Execution Control.**
- 4. Apply the risk management plan and analyse the role of stakeholders.**
- 5. Understand the contract management, Project Procurement, Service level Agreements and productivity.**
- 6. Understand the How Subcontract Administration and Control are practiced in the Industry.**

Catalog Description

This course will provide a general introduction to project management. This This course will equip the students to various feasibility analyses – Market, Technical, Financial and Economic. To equip them with the knowledge and skills required to be successful in applying Project Management. To make them understand techniques for Project planning, scheduling and Execution Control. Lectures the focus will be on quizzes, group projects and case studies. Students are encouraged to work on live projects on various topics related to oil and gas sector. Students are developed to get exposure to Subcontract Administration and Control are practiced in Oil and Gas sector mainly downstream/retail.

Course Content

Module I	:	Introduction to Applied Project Management	6 lecture hour (1-6)
Module II	:	Project Definition: Project Feasibility Analysis	8 lecture hours (7-14)
Module III	:	Developing a Project Execution Plan	3 lecture hours (15)
Module IV	:	Setting up a Project Organization	2 lecture hour (16-17)
Module V	:	Resource Scheduling, Cost Estimating	3 lecture hours (18-20)
Module VI	:	Controlling Project Execution, Project Control: Planning and Scheduling	4 lecture hours (21-24)
Module VII	:	Cost Engineering and Detailed Engineering	4 lecture hours (25-29)
Module VIII	:	Project Procurement	3 lecture hours (30-32)
Module IX	:	Construction Management, Construction Progress, Productivity and Supervision	2 lecture hours (33-34)
Module X	:	Subcontract Administration and Control	2 lecture hours (35-36)

TEXT BOOK:

Prasanna Chandra; Projects- Planning, Analysis, Selection, Financing, Implementation and Review', VI Edition, Tata Mc Graw Hill, 8th Edition 2015.

References:

1. Chaudhary S.; Project Management, Tata Mc Graw Hill
2. Kerzner H.; Project Management, II Edition, CBS Publishers
3. Meredith Jack R., Mantel Samuel J.; Project Management, IV Edition, John Wiley & Sons
5. Gopalakrishnan P., Ramamoorthy V.E; Textbook of Project Management, MacMillan Publishers
6. Maylor Harvey, Project Management, MacMillan Publishers
7. Matheen A. Prof., Comprehensive Project Management, Laxmi Publications (P) Ltd.

8. Patel Bhavesh M.; Project Management- Strategic Financial Plannisng, Education & Control, Vikas Pub. House, 2014
1. PMBOK, 5th Edition, PMI, 201
 2. . Larsen & Gray, Project Management. (e-book)

Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination Examination Scheme:

Components	MSE	IA	ESE
Weightage (%)	20	30	50
		<ul style="list-style-type: none"> • Online Discussion (10 Marks) • Online Assignments (10 Marks) • Online Quiz (10 Marks) 	

Relationship between the Course Outcomes (COs) and Program Outcomes (POs)

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Programme Outcomes
CO1	Understand project characteristics and various stages of a project.	PO 1, 2, 4, 8,9,12
CO2	Understand the conceptual clarity about project organization and feasibility analyses.	PO 2,3,4,8,7,8
CO3	Analyze the learning and understand techniques for Project planning, scheduling and Execution Control.	PO 3,4,6,8, 9, 12
CO4	Apply the risk management plan and analyse the role of stakeholders.nderstand basics of strategic sourcing process & its application	PO 4,5,6,7,9,10,11
CO 5	Understand the contract management, Project Procurement, Service level Agreements and productivity.	PO 1,2,3,4,5,8,9
CO 6	Understand the How Subcontract Administration and Control are practiced in the industry.	PO 1,2,5,7,8,9,10,11

Program Outcome / Course Outcome mapping

CO	CO 1	CO 2	CO 3	CO 4	CO 5	CO 6
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PO 1	3	3	3	2	1	1
PO 2	3	3	3	2	1	1
PO 3	3	3	3	2	2	2
PO 4	3	1	1	3	2	2
PO 5	2	2	1	3	2	2
PO 6	2	2	2	2	2	2
PO 7	3	3	1	2	1	2
PO 8	3	3	3	3	1	2
PSO 9	3	3	3	1	2	2
PSO 10	3	3	3	2	2	1
PSO 11	3	3	3	2	2	1
PSO 12	1	1	1	3	2	2

		Students will demonstrate strong conceptual knowledge of management & its functional areas.	Students will demonstrate effective oral and written communication skills in the professional context.	Students will be able to work effectively in teams and demonstrate team-building capabilities.	Students will be able to evaluate the legal, social and economic environments of business.	Students will be able to describe the global environment of business.	Students will demonstrate sensitivity towards ethical and moral issues and have ability to address them in the course of business.	Students will be able to apply decision-support tools to business decision making.	Students will be able to apply knowledge of business concepts and functions in an integrated manner.	Students will demonstrate conceptual domain knowledge of the logistics sector.	Students will apply decision-support tools to decision making in logistics sector.	Students will apply conceptual knowledge of logistics sector in an integrated manner.	Students will demonstrate employable and deployable skills for appropriate roles in management.
LSC M 300 1	Project Managem ent	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	P O 7	PO 8	PSO 9	PSO 10	PSO 11	PSO1 2
		3	3	3	2	2	2	2	3	2	3	3	2

1 – Weakly mapped

2 – Moderately mapped

3 – Strongly mapped

Model Question Paper

Name:	
Enrolment No:	

Programme: BBA (LM) Time: 03 hrs.	Course: LSCM3001 – Project Management Semester: VI Max. Marks:100
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Section A (attempt all the questions)		Marks	CO
I)	1.1 Total Float is calculated as 1.2 The project management plan is “owned” by 1.3 PDCA stands for 1.4 Total float is..... 1.5 The output of the initiation phase of the project is 1.6 Gantt chart is used for 1.7 The rule of the “vital few” is also known as 1.8 The method for estimating cost in the planning phase is called 1.9 The lowest level in a WBS is called 1.10 The critical path is the path in the network outputs.	(10X1)	CO1, 2,4
II)	Define Key Terms		
a)	WBS	(2)	CO1
b)	PERT	(2)	CO4
c)	DPR	(2)	CO2
d)	COST SLOPE	(2)	CO4
e)	POSDCORB	(2)	CO1
<u>Section-B</u> (Attempt any 4)			
Q.2.	Differentiate Greenfield project from Brownfield project. Illustrate.	(5)	CO1
Q.3.	Discuss the components of Financial feasibility.	(5)	CO3
Q.4.	Discuss the applications and limitations of Gantt chart.	(5)	CO4
Q.5.	Differentiate between Single Factor Productivity and Multi Factor Productivity.	(5)	CO8
Q.6.	Discuss the methods of project appraisal.	(5)	CO6
Q.7.	Discuss the role of local stakeholders for designing a e-catalogue for dairy products..	(5)	CO5

Section-C
(Attempt any 2)

Q.8. Discuss the role of a project manager for installing a solar power plant in Uttarakhand. (15) CO1, 7

Q.9. Attempt the following Short Notes:

(a) Project Organizations (5) CO2

(b) The daily manpower requirement for the activities is given as follows. Make the resource histogram for the project. (5) CO6

ACTIVITY	MANPOWER REQUIREMENT
A	2
B	5
C	3
D	4
E	6
F	4
G	2
H	5

(c) NPV Vs ROI (5) CO6

Q.10. Describe various types of feasibility and what components would you consider for feasibility of launching a new product of any e-commerce company. (15) CO3

Section-D

Attempt the following questions.

Q.11. Schedule the following activities using the PDM method (15) CO4

ACTIVITY	IMMEDIATE PREDECESSOR	DURATION (WEEKS)
A	-	1
B	A	4
C	A	3
D	B	2
E	C,D	5
F	D	2
G	F	2
H	E,G	3

a) What is the duration of the project?
b) Which is the critical path?

	c) What is the total float and free float in each activity?					
Q.12.	Draw the project network given the information below. Identify the critical path, and the total float for the activities.				(15)	CO4
	ACTIVITY	DESCRIPTION	PREDECESSOR	TIME (5HOURS)		
	A	Data base for customers	-	20		
	B	Product Catalogue	A	12		
	C	e-catalogue	B	5		
	D	Client selecting the product code	C	0.25		
	E	Receiving order online	D	0.15		
	F	Receipt of payment	E	0.15		
	G	Communicating to the DC	F	0.10		
	H	Delivery of product	E,F,G	12		
	I	Updating the database	H	0.50		
	J	Customer feedback	I	0.50		