Department of City & Regional Planning,
School of Architecture & Planning,
University of Management and Technology

Course Outline – Project Planning & Management

UMT Vision

OUR VISION IS LEARNING!

It defines our existence, inspires all stakeholders associated with us, creates a powerful momentum inside, and responds to the challenges outside. It continues to evolve as present captures new realities and foresight unfolds new possibilities.

All in an incessant attempt to help individuals and organizations discover their God-given potentials to achieve ultimate Success actualizing the highest standards of efficiency, effectiveness, excellence, equity, trusteeship and sustainable development of global human society.

UMT Mission

OUR MISSION IS LEADING!

We aspire to become a learning institution and evolve as the leading community for the purpose of integrated development of the society by actualizing strategic partnership with stakeholders, harnessing leadership, generating useful knowledge, fostering enduring values, and projecting sustainable technologies and practices.

Vision and Mission Statements of the City & Regional Planning Department

The vision statement of the Department of City & Regional Planning is:

- To be a leading City & Regional Planning Department aiming for excellence in learning, research and innovation with integrity and equity.

The mission of the Department of City & Regional Planning is:

- The mission is to establish a very important program concerning the development and management of the built environment. This is entitled Bachelor of Science in City and Regional Planning. The studies will be focused on the needs of the nation in the field of built environment of our regional, urban, and rural settlements. The students are required to be equipped with knowledge of advanced skills, latest knowledge and technology used in the planning and management of various settlements. They need to be fully aware of the current world, new trends and direction of developments in future.

Program Educational Objectives (PEOs)

Five years after graduating, the graduates of the program should be characterized by the following three features:

PEO-1:

The graduates will apply learnt knowledge and skills of spatial, temporal, and physical planning.

PEO- 2:

The graduates will propose and execute appropriate solutions to complex planning and urban

issues and adapt recent developments in planning focusing on research, creativity, and innovation.

PEO-3:

The graduates will reflect core ethical values in their professional conduct and become responsible members of society.

Program Learning Outcomes (PLOs) / Graduate Attributes

Graduates of the BS CRP program at UMT are expected to have acquired and developed the following set of knowledge, skills, and personality traits (these are also referred to as graduate attributes)

PLO 1: Planning Knowledge

An ability to demonstrate knowledge of contemporary planning theories and conceptual ideologies and models.

PLO 2: Designing Analysis

An ability to identify and investigate problems, construct theoretical framework through literature review and case studies and synthesize information.

PLO 3: Professional Skills

Apply planning knowledge in design/planning process to synthesize and articulate multi-faceted variables to generate an integrated solution based on societal and environmental considerations.

PLO 4: Usage of IT

An ability to select and apply appropriate techniques and resources, including prediction and modelling, to complex planning activities.

PLO 5: Communication

Convey ideas and solutions of planning/urban problems in verbal, written and graphical modes, effectively.

PLO 6: Leadership

Ability to opt a role for affective coordination within the team & collaboration with the community.

PLO 7: Professional Ethics

An ability to apply ethical principles and professional codes following the social norms to the best interest of the society.

PLO 8: Lifelong Learning

Capable of acquiring knowledge, skill, and information self-reliantly from diverse sources and appreciating new ideas and concepts.

Course Learning Outcomes (CLOs)

After studying this course, the learners will be able to:

- Explain the methods and techniques for project planning and management.
- Apply the techniques of project scope management in development projects.
- Develop WBS, PC-I form and Gantt Charts for development project.
- Analyze the project schedule using project schedule management.
- Make use of Primavera /MS Project for the execution of development projects.

Tittle	Course Learning Outcomes	PLO 1: Planning Knowledge	PLO 2: Designing Analysis	PLO 3: Professional Skills	PLO 4: Usage of IT	PLO 5: Communication	PLO 6: Leadership	PLO 7: Professional Ethics	PLO 8: Lifelong Learning
Project Planning and	Explain the methods and techniques for project planning and management.	✓							
	Apply the techniques of project scope management in development projects.			✓					
	Develop WBS, PC-I form and Gantt Charts for development project.			✓					
	Analyze the project schedule using project schedule management.			✓					
	Make use of Primavera /MS Project for the execution of development projects.				✓				

CODE	NAME	CLO	CLO Type
433.1	433.C1	Explain the methods and techniques for project planning and management.	C1
433.2	433.C2	Apply the techniques of project scope management in development projects.	C2
433.3	433.C3	Develop WBS, PC-I form and Gantt Charts for development project.	A4
433.4	433.C4	Make use of Primavera /MS Project for the execution of development projects.	A1

Proposed Teaching Methodology

- Lectures
- Videos
- Assignments
- Field Visits
- Case studies

Proposed Assessment (theory, 100%)

Mid Term (40%)

- Written long/short questions, quizzes etc.

Final Term (60%)

- Written long/short questions, quizzes etc.

Proposed Assessment (practical, 100%)

- Presentations, assignments, report writing, viva voce, field visits etc.

Grade Evaluation Criteria

Following is the criteria for the distribution of marks to evaluate final grade in a semester. These are tentative percentage weightings against each activity which may be changed as per requirements.

Marks Evaluation (Theory)	Percentage Weight age
Assignments/Quizzes	10%
Mid Term	25%
Attendance & Class Participation	5%
Final exam	**60%**
Total	**100%**

Marks Evaluation (Practical)	Percentage Weight age
Assignments	20%
WBS	20%
PC-I	30%
MS Project	30%
Total	100 %

Recommended Text Book

1. Project Management Institute (2013), *A Guide to the Project Management Body of Knowledge*, PMI, PMBOK Guide.
2. Chandramouli Subramanian (2015), *PMP Certification Excel with Ease based on PMBPOK 5th Edition*
3. Nicholas M. John, Steyn Herman (2008), Project Management for Business, Engineering and Technology: Principles and Practice, Elsevier.
4. Orr Alan, (2004), Advanced Project Management: A complete guide to the key processes models and techniques, Kogan Page.

COURSE CALENDAR

Week	Theory	CLO	Reading
1	Introduction to course Relationship among Policy, Plans, Program and Projects in Urban and Regional Development;	1	Class Notes
2	Introduction to Project Management, PMP Importance of Project Management 10 knowledge areas of Project Management Definition of Project Factors that lead to the creation of project Characterizes of project Project versus Operation	1	//

	Program and Portfolio, System and Model, Integration		
3	Project life cycle Typical project life cycle characteristics Product life cycle Project Management process groups EEF, Standard, Regulation, Work Performance Data, Project Documents, OPA, Tailoring	1	//
4	Role of Project Manager Project Management process flow Common Project Management mistakes Common things Project Manager should know	1	//
5	Time extensions, Change orders, changed conditions, Suspension, delay or interruption , liquidated damages, progress payment, retain age, progress reporting, acceptance Intrinsic Terminologies relevant to understand Conflict in Construction Industry: Addenda, bid bond, bid Security, Letter of Intent, Contract Agreement,	1	//
6	Introduction to Project Scope management Business case Characteristics of business case Development of business case for different government institution relevant to planning issues	2	//
7	Statement of Work (SOW) Work Breakdown Structure (WBS) Project Identification and Formulation. The PC-1 and PC-II Forms, Financial and Economic Appraisal and Selection of Projects,	2,3	//
8	Preparation of PC-I	3	Class Activity
9	**Midterm Exam**		
10	Introduction to Project Schedule Management	4	//

11	Project Schedule Management Critical Path Method	4	//
12	Schedule of Work, Gantt Chart PDM	4	//
13	Leads and Lags Schedule compression	4	//
14	Introduction to MS Project	5	Class Activity
15	Activity input Allocation of resources	5	//
16-17	Gantt chart development	5	//
18	**End Term Exam**		