INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal - 500 043, Hyderabad, Telangana

COURSE CONTENT

PROJECT MANAGEMENT								
I Semester: MBA								
Course Code	**Category**	**Hours / Week**			**Credits**	**Maximum Marks**		
		L	**T**	**P**	**C**	**CIA**	**SEE**	**Total**
CMBE11	**Elective**	**3**	**0**	**-**	**3**	40	60	100
Contact Classes: 45	**Tutorial Classes: Nil**	**Practical Classes: Nil**				**Total Classes: 45**		
Prerequisite: **Basic concepts of management**								
SDGs Mapped: **SDG 9 (Industry, Innovation and Infrastructure), SDG 11 (Sustainable Cities & Communities)**								

I. COURSE OVERVIEW:

Project management is the application of knowledge, skills, tools, and techniques applied to project activities in order to meet the project requirements. Project management is a process that includes planning, putting the project plan into action, and measuring progress and performance.

II. COURSES OBJECTIVES:

The students will try to learn:

I. How to evaluate a small or shorter term project in your workplace, such as running an event or an office move, implementing workplace changes, developing web sites, conducting trade work and managing office infrastructure changes.

II. The structured approach prepare a project plan, incorporating appropriate plans, schedules, a budget and specific outputs/deliverables for each step of the plan.

III. The Scope, Cost, and Schedule baselines as a means of evaluating project progress and incorporating Earned Value measurement

IV. The effective organizational leadership and change skills for managing projects, project teams, and stakeholders.

III. COURSE OUTCOMES:

At the end of the course students should be able to:

CO1 Understand the project management and project lifecycle, project management research to take business decision to accept or reject the project.

CO2 Analyze the project planning for defining the project and understand the approaches to project screening and selection to implement in project

CO3 Identify the project objective to finish the project within time period

CO4 Access the risk in project to reduce and minimize the cost and make decision about the project budget.

CO5 Gain the cross functional cooperation and conflicts management to solve the issues in team building.

CO6 Review the project control cycles and human factors in project evaluation and control to take project related decisions.

IV. COURSE CONTENT:

MODULE - I: INTRODUCTION (08)
Project management, what is project management, why project management, project lifecycle, project management research in brief, project management today, organization strategy and structure and culture, format of organization structure, stake holder management, organization culture, creating a culture for project management.

MODULE - II: PROJECT PLANNING (10)
Project planning defining the project, approaches to project screening and selection, work breakdown structure, financial module, getting approval and compiling a project charter, setting up a monitoring and controlling process.

MODULE - III: PROJECT EXECUTION (09)
Initiating the project, controlling and reporting project objectives, conducting project evaluation.

Managing risk four stage process, risk management an integrated approach, cost management, creating a project budget.

MODULE - IV: LEADING PROJECT TEAMS (10)
Building a project team, characteristics of a effective project team, achieving cross functional cooperation, virtual project teams, conflicts management, negotiations.

MODULE - V: PERFORMANCE MEASUREMENT AND EVALUATION (08)
Project control cycles, monitoring project performances, earned value management, human factors in project evaluation and control, project termination, types of project terminations, project management and future current and future trends in project management.

V. TEXTBOOKS:

1. Gray, Larson, "Project Management", Tata McGraw Hill, 4th edition, 2015.
2. Jeffery K.Pinto, "Project Management", Pearson Education, 4th edition, 2015.
3. Enzo Frigenti, "Project Management", Kogan, 4th edition, 2015.
4. Project Management Institute, "A guide to the Project Management Body of Knowledge", Project Management Institute, 5th edition, 2013.
5. Greg Horine, "Project Management Absolute Beginner's Guide", QUE Publishing, 3rd edition, 2012.

VI. REFERENCE BOOKS:

1. R. Panneerselvam, P. Senthilkumar: "Project Management", PHI, Revised 4th edition, 2015.
2. Thomas M.Cappels: "Financially Focused Project Management", SPD, Revised 4th edition, 2008.

VII. Web References:

1. http://home.hit.no/~hansha/documents/theses/projectmanagement.pdf
2. http://gurukpo.com/Content/MBA/Project%20Mngg..pdf

VIII. E-Text Books:

1. http://www.pondiuni.edu.in/sites/default/files/Project%20Managementt200813.pdf
2. http://www.adi.pt/docs/innoregio_pmanagement.pdf
3. http://index-of.co.uk/ Project%20Management/Fundamentals%20of%20Project%20 Management.pdf
4. https://book.akij.net/eBooks/2018/March/5abcc35b666f7/a%20guide%20to%20the%20project%20management%20body%20of%20knowledge%206e.pdf