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Project Management for Engineers

Course No. 219



Duration

21 Hours



Sessions

7 Sessions



Format

Instructor-driven via
Zoom



Outcome

QPS Certificate

COURSE OVERVIEW

This course has been designed to help participants understand fundamentals, processes, tools, and techniques in Project Management for Engineers, covering the entire journey from scope to closeout. This knowledge will increase competency in Engineering Agile Project Management and prepare participants to utilize these skills at the workplace.

This course empowers engineers to take ownership of project goals, manage multidisciplinary teams, and deliver results on time and within budget. By understanding project life cycles, risk management, and cost controls, engineers will be better equipped to meet client expectations and ensure project success.

LEARNING OUTCOMES & KEY TAKEAWAYS

Upon completion of this course, participants will be able to:

- ✓ Understand the fundamentals of project management tailored for engineering environments
- ✓ Develop project charters, scopes, and schedules using proven methodologies
- ✓ Apply cost estimation, budgeting, and resource allocation techniques
- ✓ Identify, assess, and mitigate project risks
- ✓ Utilize tools such as Gantt charts, Critical Path Method (CPM), and Earned Value Management (EVM)
- ✓ Manage cross-functional teams and stakeholder expectations
- ✓ Monitor and control project progress with key performance indicators
- ✓ Execute project closeout procedures and post-project reviews
- ✓ Apply principles of agile and lean project management in engineering contexts
- ✓ Integrate quality assurance and compliance standards into project planning

COURSE CURRICULUM

Session	Title	Key Topics Covered
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SESSION 1	PM Fundamentals & Framework	Project management basics, business environment, strategic alignment
SESSION 2	Agile Methodologies	Agile manifesto, Scrum, Kanban, and hybrid approaches
SESSION 3	Initiation & Planning	Project charter, stakeholders, team building, SOW, scope management
SESSION 4	Schedule & Cost Management	Define activities, estimate time & cost, develop schedules & budget
SESSION 5	Executing Processes	Communications, knowledge management, quality, procurement
SESSION 6	Risk Management	Risk identification, analysis, response planning, and mitigation
SESSION 7	Monitoring, Control & Closeout	Meetings, reporting, issue management, lessons learned, closeout

COURSE INSTRUCTOR

The instructor has Engineering Project Management experience and is a PMP Certified expert with 20+ years of industry experience.

WHO SHOULD ATTEND

Engineering Professionals

- ▶ Mechanical, civil, and electrical engineers
- ▶ Software and systems engineers
- ▶ Engineering project managers
- ▶ Design and technical team leads
- ▶ Engineers transitioning into PM roles

Technical & Management Teams

- ▶ Managers overseeing engineering projects
- ▶ Analysts and project coordinators
- ▶ Professionals dealing with engineering projects
- ▶ Anyone seeking engineering PM skills
- ▶ Technical professionals pursuing PMP certification

FOR FURTHER INFORMATION

Contact our Operations Manager via the email address given below!



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