

Professional Planning Engineer Workshop

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PLANNING ENGINEER

Professional Planning Engineer Workshop

Self-study online course with full support by Email & WhatsApp.

PRESENTED BY:

HANY ISMAEL, MSC., PMP

Recorded Videos	16	HRS
Practicing Hours	34	HRS
Total Duration	50	HRS

Course Overview

The Professional Planning Engineer (PPE) course has been expertly crafted to equip planning engineers with the necessary knowledge and practical techniques to effectively plan, monitor, control, and report on real construction projects. Our comprehensive content and personalized support aim to empower planning engineers to apply theoretical concepts with ease, transforming them into intelligent professionals in the field.

We understand that project management workshops can be a significant investment, and it's crucial to ensure that your time and money are well-spent. That's why we've developed this course with the trainee's ultimate benefit in mind, ensuring that the preparation investment yields genuine returns.



Why is this course essential?

Construction projects often allocate only a small fraction of their time to planning and adapting plans, usually around 15% to 20% of the total project timeline. The remaining time is dedicated to essential project management activities such as monitoring, controlling, and reporting. Despite its relatively brief allocation of time, planning is, without a doubt, the most critical element of any project. A single wrong move or minor mistake during the planning phase can jeopardize the entire project's success or delay its completion significantly.

Therefore, the primary focus of this planning and project management course is to equip planning engineers with the skills needed to efficiently manage projects using a meticulously formulated mega-project case study. Our course aims not only to provide planning engineers with theoretical knowledge but also practical expertise through the application of case studies.

By doing so, we prepare planning engineers to manage real-world projects with confidence, reducing the likelihood of costly errors and ensuring that their projects are delivered on time and within budget.

Who needs this course?

This advanced course is aimed at Planning Engineers who wish to improve their planning and scheduling skills. If you have a solid planning background, we highly recommend enrolling in this course immediately. However, if you are a junior or novice planning engineer with limited experience, we recommend completing the Basic Planning Course and Intermediate Planning Course prior to taking this advanced course

Course Instructor

The course material has been crafted in collaboration with a skilled planning and control manager who possesses 20 years of practical experience in managing high-end mega projects. In addition to this, the course instructor holds a degree in management of construction projects and infrastructure from Liverpool University, United Kingdom.

Our ultimate goal is to equip planning engineers with top-notch course content that will help them acquire invaluable planning techniques and develop the necessary skill set to excel in their field.

Course Contents

A- Project Management Plan

The workshop will cover more than just study materials, quizzes, and exams. It will also include practical applications of planning techniques through a project management development plan. This plan will involve creating a project from scratch aimed at improving the project management abilities of planning engineers.

The project will consist of constructing 164 buildings, 170 villas, external works, infrastructure works, and landscape works, with an overall worth of 600+ million U.S. dollars. The purpose of this technique being incorporated into the course curriculum is to help planning engineers refine their construction planning and project management skills, like:

1. Time Management (detailed construction time schedule)

2. Resource Utilization (develop cost and resource loading)

3. Labor Management (monitor the productivity)

4. Procurement (develop materials tracking log and monitor the progress)

5. Shop drawings (develop shop drawings tracking log and monitor the progress)

6. Progress reporting (different reports for different project team members)

This project aims to extend its benefits beyond just improving capacities. The course's main objective is to enhance planning engineers' planning and management skills when handling projects. Therefore, the focus will be on using smart techniques and tools to perform regular tasks faster and more accurately.



B- Workshop duration and study method

The course spans across a period of 8 weeks, and has been designed to accommodate the learning pace of engineers, while also reducing the amount of study pressure on them. Though the course has a week-by-week structure, it is self-paced, which means that trainees can access all the course content on the portal from day 1. Trainees have the freedom to choose how much content they wish to study, when and how they want to study it. Once trainees enroll in the course, they will be granted immediate access to the course content, without any time restrictions. The course material can be revisited as needed, at any time.

"Access to the course curriculum will be made available instantly, once the course registration fee has been paid."

C- What will you get from this course?

1. All **study material** including our special planning **excel tools**

2. **Unlimited online access** to All Video aid with the lecture contents

3. **Step by step guide** for the development of functional and working mega project (as outlined above).

4. The step-by-step guide will include: Time schedule, cost and resource loadings, **procurement strategies**, **budgeting method**s, mini schedules, **productivity rates**, planned weekly quantities, etc.

5. Ability to **enhance** management and Microsoft excel skills with the help of practical and **time saving** excel tools.

6. An **activity bank** with **relationship** which can be utilized by planning engineers in any project easily and effectively

7. **Productivity Bank**: enabling planning engineers to forecast and estimate the labor force required for any project, of any scale.

8. Specially developed **mobile application**, both platforms: IOS, and Android.

9. The mobile app will enable engineers to upload excel sheets and **view the progress** of tasks.

10. The mobile app will enable engineers to **send reminder emails** to the associated project team.

11. **Monitoring**, **controlling**, and **reporting** templates, **dashboards**, how to manage huge data and connect them together to avoid rework and repetitive works.

12. Access to **support email and WhatsApp** where the helpdesk staff is at the disposal of the engineers.

13. The support team will provide **answers** to student **queries** and will also provide **solutions** to various **problems** in the course

D- Certificate of completion

Completing this course and receiving the certificate of attendance can enhance your professional reputation and provide a competitive advantage in the job market. The certificate serves as tangible evidence of your newly acquired knowledge and skills, and can demonstrate to potential employers or clients your commitment to professional development.

In addition, having completed this course and earned the certificate can open up new opportunities for career advancement or career change. It can also serve as a foundation for pursuing more advanced courses or certifications in the field of project management and data analysis.



E- Conclusion

This course has been designed with the ultimate objective of providing engineers with a skillset that is directly applicable in real-world construction projects. As the demand for efficient and effective project planning engineers continues to increase globally, this course has been carefully crafted to meet this demand.

Unlike traditional week-by-week courses, this course provides all course materials upfront, giving trainees the flexibility to plan their own study pace and workload.

It is not only geared towards trainees seeking to acquire knowledge about construction planning and project management, but also towards project managers and other corporate entities looking to enhance their planning and project management skills.

The project development plan has been designed to help trainees fully grasp the concepts presented in the course. Our aim is not merely to impart information, but to empower trainees with the tools, applications, and knowledge needed to excel in their careers.

Our Promise

At our organization, we are committed to providing our trainees with more than just theoretical knowledge of project management. We are dedicated to helping our trainees improve their skills and abilities in the field. We understand the desire for growth and development, which is why we strive to provide course content that meets everyone's expectations.

Our promise to our trainees is to not only deliver conventional knowledge on project planning and monitoring but also practical techniques that can be applied in real-world situations. We are dedicated to ensuring our trainees' complete satisfaction with our courses.

However, in the unlikely event that you are not satisfied with the course and its material, we offer a full refund.

Course Reviews

Nickijg ★★★★★

PPE Professional planning engineer workshop

I can honestly say that this is the best course I have been on. I have learnt so much. Even though I am already a planning engineer, I learnt a lot. I learnt lots of new ways of doing things with Excel and Primavera. I will now adapt these new skills in my everyday role. I would recommend this to anyone. Thank you for teaching me some new skills.

Eng-Hassan80 ★★★★★

recommend senior or junior planning engineer to take the course

The course is well organized and presented. The lecture is so direct to the valuable information and description is accurate Course Director was awesome... and Fantastic trainer, Went through great effort to explain in-depth each module. This course is encouraged me to dive deeper into PLANNING AND SCHEDULING and I have enjoyed in taking this valuable course. AND I recommend any senior or junior planning engineer to take the course asap

Mohamed Abdel-Hamid ★★★★★

Course review

This course is very very very well organized and the process is detailed to accomplish all the tasks and steps. Also, the workshop is very useful where the concentration is about the process and not the data so the trainee can manage to get the data from the real existing project where such great advices been discussed in the course. Thank you Eng.hany for this amazing course :)

Mohammed Abdul Samad ★★★★★

Excellent PPE Course

A very detailed and informative course on practical projects for Planning Engineers with lots of tips and tricks and excellent explanations. Highly recommended to take this course.

Muhammad Fahad ★★★★★

Professional Planning Engineer

Engr. Hany never ceases to amaze. A really devoted and exceptional man, highly helpful. May Allah bless you.

Bola ★★★★★

A practical course with an experienced instructor.

I highly recommend this course for Planning Engineers. I use a lot of the tools I learnt in this course in my current job. It was a very intensive course but it's surely paying off!

Abdallah Essam ★★★★★

Professional & Advanced

How to Automatically Schedule using Macros and other Useful Tools and Templates , very Smart Course if You Want to be the top in your field

Share Your Progress in our Community!

Mahmoud EL-Marghny • 2nd
Civil Technical Office Engineer (BIM)
1w •

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I'm happy to announce that I have successfully completed the Professional Planning Engineer Course (PPE) presented by Planning Engineer. Special Thanks to Eng Hany Ismail, MSc, PMP for his efforts. #planningengineer ...see more



Eng. Shahmi Nilamdeen • 2nd
UPDA Cerified Planning Engineer, Qatar.
1mo •

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Muhammad Kashif Ali • 2nd
Planning Engineer
2mo •

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Successfully completed valuable course of Mr. Hany Ismail, MSc, PMP. Such an enlightenment in my professional knowledge and skill. Planning Engineer ...see more



Professional Planning Engineer Workshop Content



How to study the project and settle and planning concept:

- Planning Engineer responsibilities
- Construction Projects nature
- Read Project Layout
- Read Project Contract
- Read Project B.O.Q
- Develop project layout and planning concept
- Project information

Prepare B.O.Q for Planning

- Introduction - Prepare B.O.Q for Planning
- Know how to work with excel macros in 10 MIN Only!!
- Prepare B.O.Q (Add Ref. No & Merge Items description)
- Prepare B.O.Q (Add Div. No. & Add main Title for BOQ Items)
- Prepare B.O.Q (Combined all BOQ Items in one sheet)

Planning in Excel:

- Develop project activities bank.
- Develop project Productivity bank.
- Assign activities and Productivity to BOQ Items.
- Create project schedule WBS in Excel.
- Create project data loading in excel.

Planning in Primavera:

- Create project schedule in excel ready for primavera import.
- Import project WBS from excel to primavera.
- Import activities with relationships from excel to primavera.
- Import activities cost and resources from excel to primavera.

Monitor the project progress, project resources, and productivity:

- Finalize the project schedule in P6 and fine tune the project duration.
- Perform resource leveling in primavera.
- Export final activity dates from primavera to excel monitoring sheet.
- Understand the concept of successful progress monitoring.
- Develop project progress monitoring sheets.
- Understand the concept of successful resources monitoring.



Controlling the project

Understand the concept of successful controlling.

How to use our special mobile application (IOS and android) to perform proactive actions.

Receive your first update data and how to update all your baseline documents.

Project Reporting:

How to use the power of excel in reporting.

Develop senior management report with different dashboards.

Develop detailed reports for project team using our templates.

How to create any custom report.

Re-Planning:

Develop recovery schedule to mitigate contractor delays.

Develop revised schedule along with E.O.T to record client delays.

How to use our website support and keep you updated (Continuous improvement).

DON'T HESITATE TO CONTACT US!

WE'RE EVERYWHERE

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