



PROJACS ACADEMY
by egis



Building Rehabilitation and Repair Management

ادارة مشاريع الترميم واعادة التأهيل للمباني

18 - 22 June 2023

Cairo / Egypt

Introduction

The course aims to increase the knowledge and skill of the participant about the material used in rehabilitation and repair works specially for bearing wall system used in the old building. Also give the rules about how to design the repair works and make the bill of quantities. This course will develop the skill of the engineer in assessing the building and take the decision.

This course aims also to develop the skill of the participant in the field of managing the repair works and overcome the problems that happened in the field.

Who Should Attend?

This course is planned to meet the needs of all the structural consultants, site engineers, the supervision engineers and the site supervisor.

Course Outline

Day One

- Types of retrofitting and repairing materials
- Selecting the suitable material for repair.
- Common faults in application of repairing materials
- The main function of the retrofitting and repairing materials
- Application of the repair material

Day Two

- The main features of the wall bearing system (mud and stone).
- How to simulate structurally the wall bearing systems?
- Main distress you can face in the skeleton structures.
- Assessing and examining the building.
- The various methods of repair of wall bearing systems.
- Repair and retrofitting of old buildings.
- Case studies

Day Three

- The main features of the skeleton type structures.
- How to simulate structurally the skeleton type structures?
- Main distress you can face in the skeleton structures.
- Assessing of the skeleton type structures.
- The various methods of repair of the skeleton type structures.
- Case studies

Day Four

- Bill of quantities of the repair works.
- Specification of the repair materials.
- Influence of the properties of the materials on the cost of the repair works.
- Influence of the repair techniques on the cost of the repair works.
- Case studies

Day Five

- How to carry out the study for the safety of the building?
- The guide lines to take the decision of repair.
- Types of risk in the repair works.
- How to face the risk in the repair works?
- How to manage the repair site?

Training Method

- Pre-assessment
- Live group instruction
- Use of real-world examples, case studies and exercises
- Interactive participation and discussion
- Power point presentation, LCD and flip chart
- Group activities and tests
- Each participant receives a binder containing a copy of the presentation.
- slides and handouts.
- Post-assessment

Program Support

This program is supported by interactive discussions, role-play, case studies and highlight the techniques available to the participants.

Schedule

The course agenda will be as follows:

- | | |
|---------------------|------------------|
| • Technical Session | 08.30-10.00 am |
| • Coffee Break | 10.00-10.15 am |
| • Technical Session | 10.15-12.15 noon |
| • Coffee Break | 12.15-12.45 pm |
| • Technical Session | 12.45-02.30 pm |
| • Course Ends | 02.30 pm |

Course Fees*

- **3,200 USD**
**VAT is Excluded If Applicable*

المقدمة

تم تصميم هذا البرنامج ليزيد من معرفة المهندس المشارك عن مواد الترميم واسلوب ترميم المباني القديمة وخاصة المعتمدة على نظام الحوائط الحاملة والمباني الاثرية وكيفية عمل مقايضة وحصر للأعمال الترميم بالإضافة الى كيفية اعداد الدراسة الخاصة بالترميم ومساعدة المهندس على اتخاذ القرار في ترميم المبنى او هدمه واعادة بناءه بالإضافة الى كيفية مواجهة المشاكل وادارة الازمات التي تواجه اعمال الترميم.

الحضور

جميع المهندسين الاستشاريين ومهندسي التنفيذ والاشراف على التنفيذ سواء تخصص عمارة او مدنى والذين لهم صلة بأعمال الترميم واعادة التأهيل واتخاذ القرارات الخاصة بالترميم او الهدم وكذلك المشرفين الفنيين.