

Engineering Courses

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Training Course Information Form

Course Information

Course Name: Construction Planning and Scheduling with Primaver								
Institute/Centre:			Department	Construction Engineerin	on & Building			
Type:	□Program	■ Course	□ Workshop	2				
Course Duration:	■ 5 days	□ 3 days	□ 1 days	Other: -				
Course Conducted:	■ Local		☐ International					
Course Venue:	AASTMT		Indicate:					
Course Language:	■ English	☐ Arabic	☐ Both	Other:				
		Course	Description					
Course Outlines:								
construction	h activities hedule filtering sources graphics construction, planning	civil, electrical,	mechanical, and arc	hitectural eng	ineers to			
Learning outcomes: Familiarity with con		anning and the	ability to use the p	orimavera pro	ogram			
Course includes:	Course includes: ☐Theoretical ☐ Tutorial ■ Laboratory ☐ Workshop ☐ Site Visit							
Course Prerequisites None	:							
Who should attend:	oivil alactric	ool maahanissl	and architectural on	zinaore				

Construction, civil, electrical, mechanical, and architectural engineers

This form should be completed by the accountable who conduct courses inside or outside A.R.E

- Hinze, J. Construction Planning and Scheduling, Prentice Hall, USA, 2003.
- Newitt, J., Construction Scheduling Principles and Practices, Prentice Hall, 2004.
- Pierce, D., Project Scheduling and Management for Construction, Reed Construction Data, USA, 2005.
- Feigenbaum, L., Construction scheduling with Primavera Project Planner, Prentice Hall, 2001.
- Harris, P., Project Planning and Scheduling using Primavera Contractor, Ver. 4.1, for the Construction Industry, John Wiley and Sons, 2005.
- Books available at the AASTMT library

No. of Participa	ants/course: □5-10	■ 10-15	□ 15-20	□Other:							
Qualifications of Participants:											
No. of Lecturer											
No. of Assistance	ce: □1 □2	3									
	Course Facilities										
White	rojector ■Data show	■ PC	☐ Manual	☐ Handouts							
Board Han Books	douts	s □ S/W	☐Other:								
	Course Evaluation										
■ Written Example ■ Written Example ■ Delegates Particularly		Report(s) ■ Oral l	Presentation [Attendance							
Certificate Issue	: 🗖 Local Premises	■ AASTM	T 🗖 Iı	nternational							
		Course Registration	o n								
Registration:	■AAST Admission Re	gistration	☐ Online	☐ Other:							
Sponsor:	☐ Individual		☐ Funded By	: 8000 L.E. Egyptian Company							
Fee's:	☐ L.E. 600 For Egyptian	□ \$ 200 For non Egyptian	☐ Other: 2000								
Documents required:	☐ Registration form	■ ID/Passport copy	☐ Photo								



Training Course Information Form

Course Name:	Conditio	ns of Contra	ct for Construction	on FIDIC Re	ed Book - 1999
Institute/Centre:			Department	Construction	on & Building
Type:	□Program	■ Course	■ Workshop		
Course Duration:	■ 5 days	□ 3 days	☐ 1 days	☐ Other:	
Course Conducted:	■ Local		☐ International	l 	
Course Venue:	AASTMT		marcute.		
Course Language:	■ English	☐ Arabic	☐ Both	☐ Other: -	
		Course	Description		
Course Outlines:			-		
Overview ofManaging claDispute reso Course Objectives:	aims / change of lution action engineers the Construction	of contracts forder s to the condi	l Book - 1999		k 1999 n FIDIC Red Book - □ Site Visit
Who should attend: Construction		tract engineers	and project manage	ers	

- Collier, K. Construction Contracts, Prentice Hall, 2001.
- Murdoch, J. and Hughes, W., Construction Contracts, Spon Press, UK, 2000.
- Savage, C., Mitchell K. J., Construction Forms and Contracts, Craftsman Book Company, 2003
- Hinze, J., Construction Contracts, McGraw-Hill Science, USA, 2000.
- Phillips, C. S., Construction Contract Administration, SME, 1999
- Fidic Conditions of Contract for Construction Red Book, FIDIC, 1999.
- Knutson, Robert, Fidic: An Analysis of International Construction Contracts (International Bar Association), Kluwer Law International, The Netherlands, 2005.
- Books available at the AASTMT library.

No. of P	articipants/cou	ırse: □5-10	■ 10-15	□ 15-20	□Other:						
Qualific	Qualifications of Participants:										
No. of Lecturer: ■1 □2 □3											
No. of Assistance: $\Box 1$ $\Box 2$ $\Box 3$											
	Course Facilities										
■ White	■V. Projector	■Data show	□ PC	☐ Manual	☐ Handouts						
Board □ Books	☐ Handouts	□Flip charts	□ S/W	Other:							
			Course Evalua	ition							
	ten Examination gates Participat		Report(s) ■Or	al Presentation	☐ Attendance						
Certifica	te Issue: 🗖 Loc	al Premises	■ AAST	MT 🔲 I	International						
			Course Registre	ation							
Registration: ■AAST Admission Registration □ Online □ Other:											
Sponsor	□ Ind:	ividual		☐ Funded By	y: 8000 L.E. Egyptian Company						
Fee's:	□ L.E	. 600 For Egyptian	□ \$ 200 For non Egyptian	Other: 200							
Document required	□ Reg	ristration form	■ ID/Passport copy	☐ Photo							



Training Course Information Form

Course Information

			injornation						
Course Name:	Course Name: Financial Management in Construction								
Institute/Centre:			Departmen	Constructi Engineerir	on & Building				
Type:	□Program	■ Course	□ Workshop						
Course Duration:	■ 5 days	□ 3 days	□ 1 days	☐ Other:					
Course Conducted:	■ Local		☐ International	al 					
Course Venue:	AASTMT		muicate.						
Course Language:	■ English	☐ Arabic	☐ Both	☐ Other:					
		Course	e Description						
Course Outlines:									
financial stat Reading and Financial and	ements. understanding	financial state nancial ratios	ements.		s; and compilation of eand efficiency.				
To introduce constru of financial managem	•		_	tion firms exec	utives to the concept				
Learning outcomes: Knowledge of finance		nt concepts							
Course includes: ☐	Theoretical	■ Tutorial	☐ Laboratory	☐ Workshop	☐ Site Visit				
Course Prerequisites None	:								
Who should attend: Construction		ject managers	, and construction fi	rms executives	ı				

This form should be completed by the accountable who conduct courses inside or outside A.R.E

- Peterson, S. J., Construction Accounting and Financial Management, Prentice Hall, USA, 2004.
- Atrian, "Construction Accounting," Prentice Hall, Englewood Cliffs, N.J., USA, 1990.
- Coombs & Polwer, Construction Accounting and Financial Management, McGraw Hill, New York, 1995.
- Jackson I.J. Jackson, III, "Financial Management for Contractors," McGraw-Hill, New York, USA, 1990
- Books available at the AASTMT library

No. of Pa	articipaı	nts/course	: □5-10		■ 10-15		□15-20		□Other:	
Qualifications of Participants:										
No. of A			□ 2 □ 2		□ 3 □ 3					
NO. OI A	5515141100	:. □ 1	4 2			.•				
				Cou	rse Faciliti	ies				
■ White	■V. Pro	jector	■Data show	□ PC		□ M	anual		Handouts	
Board □ Books	☐ Hand	outs	☐Flip charts	□ S/W	V	□Otl	her:			
				Cour	se Evaluat	tion				
	en Exam gates Pai	nination rticipation	□ Written l	Report(s) ■ Oral	l Pres	entation	☐ At	ttendance	
Certifica	te Issue:	☐ Local F	Premises		■ AASTM	МT		Interr	national	
				Cour	se Registrat	tion				
Registrat	tion:	■AAST A	Admission Reg	istration			Online	[☐ Other:	
Sponsor:	:	☐ Individ	ual				☐ Funded B		00 L.E. gyptian Company	
Fee's:		□ L.E. 60 Fo	0 or Egyptian	□ \$ 200 For n	on Egyptian		Other: 20	000\$	on Egyptian Company	
Document required					ssport copy		☐ Photo		. ,	



Training Course Information Form

Course Name:	Business Concepts for Mangers of Construction Firms							
Institute/Centre:			Department	Department: Construction of Engineering				
Type:	□Program	■ Course	■ Workshop					
Course Duration:	■ 5 days	□ 3 days	□ 1 days	☐ Other:				
Course Conducted:	■ Local		☐ International Indicate: -					
Course Venue:	AASTMT		marcure.					
Course Language:	■ English	☐ Arabic	☐ Both	☐ Other:				
		Course 1	Description					
Course Outlines:								
 Strategic man Risk manager Human resour Health and sa Business perf Quality mana Process mana Knowledge m Sustainable co Course Objectives:	 Strategic management Risk management Human resource management Health and safety in construction Business performance management Quality management Process management Knowledge management Sustainable construction 							
To introduce the man firms	agers of const	truction firms to	business concepts	necessary to ma	anage construction			
Learning outcomes: Be aware of busines	s concepts ne	eeded to be app	plied in construction	on firms				
Course includes: □T	heoretical	☐ Tutorial	■ Laboratory	■ Workshop	☐ Site Visit			
Course Prerequisites: None This form should be con		accountable who c	conduct courses inside	e or outside A.R. E				

Who should attend:

 Senior and executive management of contracting and consulting firms working in the construction industry

- Kerzner, Harold, Project Management: A Systems Approach, John Wiley & Sons, New Jersey, USA, 2006.
- A Guide to the Project Management Body of Knowledge PMBOK, Project Management Institute, 2004.
- Fisk, R., Construction Project Administration, 2003.
- Smith, N., Merna, T., and Jobling, P., Managing Risk: In Construction Projects, Blackwell Publishing, UK, 2006.
- Halpin, D. W., Construction Management, John Wiley & Sons, 2005.
- Kibert, C., Sustainable Construction: Green Building Design and Delivery, Wiley, 2005.
- LEVY S.M., "Project Management for Construction," McGraw Hill Inc., N.Y., USA, 2002.
- Books available at the AASTMT library

No. of Pa	articipants/cour	se: □5-10	■ 1	0-15	□ 15-20	□Other:					
Qualifica	Qualifications of Participants:										
No. of Lo	ecturer: ■1	2	3	3							
No. of A	ssistance: 🗆1	2		3							
	Course Facilities										
■ White	■ V. Projector	■Data show	□PC		Manual	☐ Handouts					
Board Books	☐ Handouts	☐Flip charts	□ S/W		Other:						
			Course 1	Evaluation)						
	en Examination gates Participatio	☐ Written R	eport(s)	■Oral Pr	esentation \Box	1 Attendance					
Certificat	te Issue: 🗖 Local	Premises	•	AASTMT	☐ In	ternational					
			Course R	Registration	!						
Registrat	tion: ■AAST	Admission Regis	stration		☐ Online	☐ Other:					
Sponsor:	☐ Indiv	idual			☐ Funded By:	8000 L.E. Egyptian Company					
Fee's:	□ L.E. (600	■ \$ 200 For non F	Egyptian	☐ Other: 2000						
Documer required	nts Regis		■ ID/Passpo		☐ Photo						



Training Course Information Form

		comse	111y or metatore				
Course Name:	Fina	ncial / Econ	omic Feasibility S	Studies in Co	onstruction		
Institute/Centre:			Departmen	Constructi	ion & Building		
Type:	□Program	■ Course	□ Workshop				
Course Duration:	■ 5 days	□ 3 days	☐ 1 days	☐ Other:			
Course Conducted:	■ Local		☐ International				
Course Venue:	AASTMT		maicate:				
Course Language:	■ English	☐ Arabic	☐ Both	☐ Other:			
		Course	e Description				
Course Outlines:							
 Measures of Project select Cost benefit at Course Objectives: To introduce construte of producing financia Learning outcomes: Being able of conduction 	analysis ction engineers 1 / economic fe	s, project man casibility studi	es for construction por construction pro	projects	eutives to the concepts		
Course includes:	Theoretical	■ Tutorial	□Laboratory	☐ Workshop	☐ Site Visit		
Course Prerequisites None	:						
Who should attend: Construction engineers, project managers, and construction firms executives							

- Tang, S. L., Economic Feasibility of Projects: Managerial and Engineering Practice, The Chinese University Press, 2004.
- Barrie, D.S. and Paulson, B.C., Professional Construction Management, McGraw Hill Inc., N.Y., USA, 1992.
- McCaffer, R., Harris, F. and Edum-Fotwe, F., Modern Construction Management, 2004.
- Books available at the AASTMT library

No. of Partic	cipants/course	e: □5-10		■10-15	□ 15-20	□Other:					
Qualification	Qualifications of Participants:										
No. of Lectu	rer: ■1	2		3							
No. of Assist	tance: 🗆1	$\square 2$		3							
	Course Facilities										
■ ■V White	7. Projector	■Data show	□ PC		☐ Manual	☐ Handouts					
Board Books	Handouts	☐Flip charts	□ S/W		□Other:						
	Course Evaluation										
	Examination s Participation	☐ Written F	Report(s)) ■Oral	Presentation	☐ Attendance					
Certificate Is	sue: 🗖 Local l	Premises		■ AASTM	IT [☐ International					
			Cours	e Registrat	ion						
Registration	• ■AAST A	Admission Regi	stration		Online	☐ Other:					
Sponsor:	☐ Individ	lual			☐ Funded	By: 8000 L.E. Egyptian Company					
Fee's:	☐ L.E. 60 Fe	00 or Egyptian	□ \$ 200 For no	on Egyptian	Other: 2						
Documents required:	☐ Registr	ration form	■ ID/Pas	sport copy	☐ Photo						



Training Course Information Form

Course Name: Value Engineering							
Institute/Centre:			Department	Construction Engineerin	on & Building		
Type:	□Program	■ Course	☐ Workshop				
Course Duration:	■ 5 days	□ 3 days	□ 1 days	☐ Other: -			
Course Conducted:	■ Local		☐ International				
Course Venue:	AASTMT		Indicate:				
Course Language:	■ English	☐ Arabic	☐ Both	Other:			
		Course	e Description				
Course Outlines:			•				
Evaluation tePresenting vaWhole life cy	alue studies yele costing case studies ar	nd applications of value engin	s neering and its applic		construction industry		
Course includes:	Pharmatha 1	■ Total	DI showstown [D We also be a			
Course Prerequisites None Who should attend:	:	■ Tutorial t engineers an	☐ Laboratory ☐ d project managers	■ Workshop	☐ Site Visit		

- Kerzner, Harold, Project Management: A Systems Approach, John Wiley & Sons, New Jersey, USA, 2006.
- A Guide to the Project Management Body of Knowledge PMBOK, Project Management Institute, 2004.
- Fisk, R., Construction Project Administration, 2003.
- Halpin, D. W., Construction Management, John Wiley & Sons, 2005.
- LEVY S.M., "Project Management for Construction," McGraw Hill Inc., N.Y., USA, 2002.
- Books available at the AASTMT library

No. of Pa	articipants/cour	rse: □5-10	■ 10	-15	□ 15-20	□Other:			
Qualifica	Qualifications of Participants:								
No. of Lo	ecturer: ■1	2	3						
No. of As	ssistance: □1	2	3						
Course Facilities									
■ White	■ V. Projector	■Data show	□PC		Manual	☐ Handouts			
Board Books	☐ Handouts	□Flip charts	□ S/W		Other:				
	Course Evaluation								
	en Examination gates Participation	☐ Written F	Report(s)	■Oral Pro	esentation	☐ Attendance			
Certificat	te Issue: 🗆 Loca	1 Premises	■ A	AASTMT	- I	International			
			Course Re	gistration	:				
Registrat	tion: ■AAST	Admission Regi	stration		☐ Online	☐ Other:			
Sponsor:	☐ Indiv	ridual			☐ Funded By	y: 8000 L.E. Egyptian Company			
Fee's:	☐ L.E.	600 For Egyptian	□ \$ 200 For non Eg	gyptian	☐ Other: 200				
Documer required:	□ Regi	stration form	■ ID/Passport	t copy	☐ Photo				



Training Course Information Form

Course Information

Course Name:	Course Name: Introduction to Quality Control in Construction								
Institute/Centre:			Departmen	Construction t: Engineerin	on & Building				
Type:	□Program	■ Course	□ Workshop						
Course Duration:	■ 5 days	□ 3 days	☐ 1 days	Other: -					
Course Conducted:	■ Local		☐ Internationa						
Course Venue:	AASTMT		Indicate:						
Course Language:	■ English	☐ Arabic	☐ Both	☐ Other:					
	Course Description								
Course Outlines:									
quality manages Responsibilit Statistical profile Introduction Course Objectives: To introduce To provide an	gement] y for quality ocess control to the evaluation	on of strength to	est results of concre	ete ot of quality					
Learning outcomes: Familiarity with qua	ality control c	concepts							
Course includes:	Theoretical	■ Tutorial	☐ Laboratory	☐ Workshop	☐ Site Visit				
Course Prerequisites: None	:								
 Who should attend: All construction and civil site engineers and project managers All quality control engineers connected with the concrete construction 									

This form should be completed by the accountable who conduct courses inside or outside A.R.E

- Tang, S. L., Ahmed, S. M., Aoieong, R. T., Poon, S. W., Construction Quality Management, Hong Kong University Press, Hong Kong, 2005.
- McCabe, S. "Quality Improvement Techniques in Construction," Addison Wesly Longman limited, Edinburgh Gate, England 1998.
- McCaffer, R., Harris, F. and Edum-Fotwe, F., Modern Construction Management, 2004.
- Thorpe, Brian and Sumner, Peter, Quality Management in Construction, Gower Publishing, UK, 2005. Kubal, M.T. "Engineering Quality in Construction: Partnering and TQM," McGraw Hill Inc., New York, 1994.
- Besterfield, D.M. "Quality Control," Prentice Hall, Englewood Cliffs, USA 1994.
- ACI Committee 214, "Evaluation of strength test results of concrete," ACI 214R-02, American Concrete Institute, Detroit, MI, USA, 2002
- Books available at the AASTMT library

No. of Participa	ants/course: □5-10	■10-15	□ 15-20	□Other:						
Qualifications of Participants:										
No. of Lecture	r: ■1 □2	3								
No. of Assistan	ce: □1 □2	3								
Course Facilities										
White	Projector Data show	□PC	☐ Manual	☐ Handouts						
Board Books Har	ndouts	s □ S/W	□Other:							
Course Evaluation										
■ Written Exa □ Delegates P		Report(s) ■Oral	Presentation [☐ Attendance						
Certificate Issue	: • Local Premises	■ AASTM	IT 🔲 Iı	nternational						
		Course Registrati	ion							
Registration:	■AAST Admission Re	gistration	Online	☐ Other:						
Sponsor:	☐ Individual		☐ Funded By	: 8000 L.E. Egyptian Company						
Fee's:	☐ L.E. 600 For Egyptian	□ \$ 200 For non Egyptian	☐ Other: 200							
Documents required:	☐ Registration form	■ ID/Passport copy	☐ Photo							



Training Course Information Form

Course Name:	Course Name: Structural Analysis Using SAP 2000 (SAP 2000 (I))						
Institute/Centre:			Department:	Construction Engineering	on & Building		
Type:	□Program	■ Course	■ Workshop				
Course Duration:	■ 5 days	□ 3 days	□ 1 days	Other: -			
Course Conducted:	■ Local		☐ International				
Course Venue:	AASTMT		Indicate:				
Course Language:	■ English	☐ Arabic	☐ Both	Other:			
		Course	Description				
Course Outlines:							
Analysis of sAnalysis of SAnalysis of F	R.C. Structures teel structures Shallow founda Flooring Syster Deep (pile) fou	ntions ns					
The objective of the o	course in to acc	quaint the stude	ents with the structura	l analysis usi	ng structural		
analysis program SA		1		J	8		
Learning outcomes: acquaint the student		uctural analys	is using structural	analysis prog	gram SAP 2000.		
Course includes:	Γheoretical	☐ Tutorial	■ Laboratory □	Workshop	☐ Site Visit		
Course Prerequisites ICDL	:						
Who should attend: Design civil of Civil and Con	•	ineering Depar	tment students.				

- Ghoneim, M, and El-Mihilmy, M, "Design of Reinforced Concrete Structures", First Edition, Vol 1 and 2, 2005
- MACHALY, EL-SAYED BAHAA, "Behaviour, Analysis and design of Structural Steel Elements", Vol. 1, Cairo university, Egypt.
- MACHALY, EL-SAYED BAHAA, "Behaviour, Analysis and design of Steelwork Connections", Vol. 3, Cairo university, Egypt.
- DAS, Braja M., Principles of Foundation Engineering, Brooks-Cole, London, 1998

No. of Parti	cipants/course:	□ 5-10		■ 10-15	1	5-20	□Other:			
Qualification	Qualifications of Participants:									
No. of Lecturer: $\blacksquare 1$ $\square 2$ $\square 3$										
No. of Assis	stance: □1	2		3						
Course Facilities										
White	V. Projector	■Data show	■ PC		☐ Manua	ıl	☐ Handouts			
Board Books	Handouts	⊒Flip charts	□ S/W							
	Course Evaluation									
	Examination es Participation	☐ Written R	(s)	☐ Oral	Presenta	tion 🗆	1 Attendance			
Certificate Is	ssue: 🗖 Local Pr	emises		■ AASTM	ÍΤ	☐ In	ternational			
			Cours	e Registrati	ion					
Registration	a: ■AAST A	dmission Regis	stration		☐ Oı	nline	☐ Other:			
Sponsor:	☐ Individu	al			☐ Fu	ınded By:	8000 L.E. Egyptian Company			
Fee's:	☐ L.E. 600 For	Egyptian	\$ 200 For no	on Egyptian	☐ Of	ther: 2000				
Documents required:	☐ Registra	tion form	■ ID/Pas	sport copy	☐ Ph	ioto				



Training Course Information Form

Course Name: Advanced Structural Analysis Using SAP 2000						
Institute/Centre:			Department:	Construction & Building Engineering		
Type:	□Program	■ Course	□ Workshop			
Course Duration:	■ 5 days	□ 3 days	□ 1 days	☐ Other:		
Course Conducted:	■ Local		☐ International			
Course Venue:	AASTMT		Indicate:			
Course Language:	■ English	☐ Arabic	☐ Both	☐ Other:		
		Course	Description			
Course Outlines:			-			
 Analysis of real Analysis of green Anal	aft foundations etaining structuround tanks levated tanks course in to an	alyze skeleton		teel structures using SAP taining structures, ground		
C						
Acquaint the studen	ts with the sti	ructural analy	sis using structural	analysis program SAP 2000.		
Course includes: □T	heoretical	☐ Tutorial	■ Laboratory □	1 Workshop □ Site Visit		
Course Prerequisites:						

Structural Analysis Using SAP 2000

(SAP 2000 (I))

Who should attend:

- Design civil engineers.
- Civil and Construction Engineering Departments students .

- Ghoneim, M, and El-Mihilmy, M, "Design of Reinforced Concrete Structures", First Edition, Vol 1 and 2, 2005
- MACHALY, EL-SAYED BAHAA, "Behaviour, Analysis and design of Structural Steel Elements", Vol. 1, Cairo university, Egypt.
- MACHALY, EL-SAYED BAHAA, "Behaviour, Analysis and design of Steelwork Connections", Vol. 3, Cairo university, Egypt.
- DAS, Braja M., Principles of Foundation Engineering, Brooks-Cole, London, 1998

No. of Participa	No. of Participants/course: $\square 5-10$ $\square 10-15$ $\square 15-20$ $\square Other:$									
Qualifications of	Qualifications of Participants:									
No. of Lecturer	: ■1	2	3							
No. of Assistance	ce: □1	2	3							
		Cou	rse Facilit	ties						
■White Board □ Books	☐ V. Projector☐ Handouts	■Data show □Flip charts	■ PC □ S/W	☐ Manual ☐Other:	☐ Handouts					
		Cour	se Evalua	tion						
■ Written Exar □ Delegates Pa		Written Report(s	s) 🔲 Ora	l Presentation [☐ Attendance					
Certificate Issue:	☐ Local Prem	ises	■ AASTI	MT 🗖 Iı	nternational					
		Cour	se Registra	tion						
Registration:	■AAST Admi	ssion Registration		☐ Online	☐ Other:					
Sponsor:	☐ Individual			☐ Funded By	: 8000 L.E. Egyptian Company					
Fee's:	L.E. 600 For Eg	yptian \$200 For n) ion Egyptian	☐ Other: 200						
Documents required:	☐ Registration	form ID/Pa	assport copy	☐ Photo						



Training Course Information Form

Course Name:	ourse Name: Formwork Design						
Institute/Centre:				Constructi Engineerir	on & Building		
Type:	□Program	■ Course	☐ Workshop				
Course Duration:	■ 5 days	□ 3 days	□ 1 days	☐ Other:			
Course Conducted:	■ Local		☐ Internationa	1			
Course Venue:	AASTMT		marcate:				
Course Language:	■ English	☐ Arabic	☐ Both	☐ Other: -			
		Course	Description				
Course Outlines:							
 Design of ver 	rizontal formworkecial formwork	k systems systems ign horizontal	, vertical and special	formwork sys	stems.		
Course includes:	Γheoretical	■ Tutorial	□Laboratory	☐ Workshop	☐ Site Visit		
Course Prerequisites: Design of reinforced concrete structures Building construction methods							
Who should attend:							
 Construction engineers. Construction & Building Departments students . 							

- Nunnaly, S.W., "Construction Methods and Management," Prentice Hall, New Jersey, 1993.
- Peurifoy, R.L., Ledbetter, W.B., and Schexnayder, G.J., "Construction Planning, Equipment, and Methods, "McGraw Hill Co., New York, 1996.
- Peurifoy, R.L., and Oberlender, G.D., "Formwork for Concrete Structures," McGraw Hill Co., New York, 1996.
- Illingworth, J.R., "Construction Methods and Planning," E & FN SPON, London, 1993.
- Harris, F., "Modern Construction & Ground Engineering Equipment and Methods," Longman Group Co., U.K., 1994.
- Books available at the AASTMT library

No. of Participa	ants/course:	15-10	■10-15	□ 15-20	□Other:					
Qualifications of Participants:										
No. of Lecturer	: ■1	2	3							
No. of Assistance	ce: □1	2	3							
Course Facilities										
■White Board □ Books	■ V. Projector ■ Handouts	□Data show □Flip charts	□ PC □ S/W	☐ Manual ☐Other:	☐ Handouts					
	Course Evaluation									
	 ■ Written Examination □ Written Report(s) □ Oral Presentation □ Attendance □ Delegates Participation 									
Certificate Issue	: 🗖 Local Prem	ises	■ AAST	MT 🗖 I	nternational					
		Cour	rse Registra	tion						
Registration:	■AAST Admi	ssion Registration	ı	☐ Online	☐ Other:					
Sponsor:	☐ Individual			☐ Funded By	7: 8000 L.E. Egyptian Company					
Fee's:	L.E. 600 For Eg	yptian Sor 1) 10n Egyptian	☐ Other: 200						
Documents required:	☐ Registration	form ID/Pa	assport copy	☐ Photo						



Training Course Information Form

Course Name: Construction Equipment								
Institute/Centre:			Department	Construction: Engineerin	on & Building			
Type:	□Program	■ Course	□ Workshop	8	6			
Course Duration:	■ 5 days	□ 3 days	□ 1 days	Other:				
Course Conducted:	■ Local		☐ Internationa					
Course Venue:	AASTMT		Indicate: -					
Course Language:	■ English	☐ Arabic	☐ Both	Other: -				
		Course	Description					
Course Outlines:			•					
 Earth moving Excavators (\$\frac{3}{3}\$ Dozers and lo Trucks and w Course Objectives: The objective of the knowledge for equipm draglines, clamshells,	Shovels, Hoes, paders agons course in to the ment used in the	acquaint stude e heavy const	ents with construction such as sho	vels, hydraulic	excavators,			
Estimating equipment	Learning outcomes: Selecting the suitable equipment for construction Estimating equipment production How to increase equipment production							
Course includes: □T	'heoretical	■ Tutorial	☐ Laboratory	☐ Workshop	☐ Site Visit			
Course Prerequisites: Building construction								
Who should attend: Construction Construction	Engineers. & Building De	epartments stud	lents .					

- Peurifoy, R.L., Ledbetter, W.B., and Schexnayder, G.J., "Construction Planning, Equipment, and Methods, "McGraw Hill Co., New York, 1996.
- Harris, F., "Modern Construction & Ground Engineering Equipment and Methods," Longman Group Co., U.K., 1994.
- Nunnaly, S.W., "Construction Methods and Management," Prentice Hall, New Jersey, 1993.
- Peurifoy, R.L., and Oberlender, G.D., "Formwork for Concrete Structures," McGraw Hill Co., New York, 1996.
- Illingworth, J.R., "Construction Methods and Planning," E & FN SPON, London, 1993.
- Books available at the AASTMT library

No. of Participa	nts/course: 🗆	5-10	■ 10-15	□ 15-20	□Other:					
Qualifications of Participants:										
No. of Lecturer:	= 1	2	3							
No. of Assistance	e: □1	2	3							
Course Facilities										
■White Board	■V.	□Data show	□ PC	☐ Manual	☐ Handouts					
☐ Books	Projector ■Handouts	☐Flip charts	□ S/W	□Other:						
Course Evaluation										
■ Written Exam □ Delegates Pa		Written Report	(s) • Oral	Presentation	Attendance					
Certificate Issue:	☐ Local Premi	ses	■AASTM	IT 📮 Int	ernational					
		Cou	rse Registrat	tion						
Registration:	■AAST Admis	sion Registratio	n	Online	☐ Other:					
Sponsor:	☐ Individual			☐ Funded By:	8000 L.E. Egyptian Company					
Fee's:	☐ L.E. 600 For Egy	□ \$ 20 optian For	00 non Egyptian	☐ Other: 2000						
Documents required:	☐ Registration		Passport copy	☐ Photo						



Who should attend:

Construction employees.

Arab Academy for Science, Technology and Maritime Transport

Training Course Information Form

Course Information **Health and Safety in Construction Course Name:** Construction & Building **Institute/Centre: Department:** Engineering Type: □Program ■ Course ■ Workshop **Course Duration:** ■ 5 days □ 3 days □ 1 days ☐ Other: -----**Course Conducted:** ■ Local ■ International Indicate: -**Course Venue: AASTMT Course Language: ■** English ☐ Arabic □ Both ☐ Other: -----Course Description **Course Outlines:** Health and safety foundations General site issues- Hazards and control Working at height- Hazards and control Excavation and control- Hazards and control Movement of people and vehicles - Hazards and control Work equipment - Hazards and control **Course Objectives:** The objective of the course is to acquaint students with the importance of health and safety in the construction field. **Learning outcomes:** Applying safety regulations in the construction industry to minimize the accidents **Course includes:** □ Theoretical ■ Tutorial ☐ Site Visit ☐ Laboratory ☐ Workshop **Course Prerequisites:** None

This form should be completed by the accountable who conduct courses inside or outside A.R.E

Course References: PHIL Hughes, "Introduction to Health and Safety in Construction, "Ferrett, 2005.									
No. of Participa	nts/course:	15-10	■10-15		15-20	□Other:			
Qualifications of Participants:									
No. of Lecturer No. of Assistance		□2 □2	□3 □3						
		Cou	rse Facili	ties					
■White Board □ Books	■V. Projector ■Handouts	□Data show □Flip charts	□ PC □ S/W	☐ Manu ☐Other:		Handouts			
		Cour	se Evalua	tion					
■ Written Exar □ Delegates Pa		Written Report(s	s) 🚨 Ora	ıl Present	ation \Box	1 Attendance			
Certificate Issue:	☐ Local Prem	ises	■AASTN	ИΤ	☐ Int	ernational			
		Cour	se Registra	tion					
Registration:	■AAST Admi	ssion Registration			Online	☐ Other:			
Sponsor:	☐ Individual			□ F	unded By:	8000 L.E. Egyptian Company			
Fee's:	☐ L.E. 600 For Eg	□ \$ 200 Typtian For n) non Egyptian		Other: 2000				
Documents required:	☐ Registration	• •	assport copy		hoto				



Training Course Information Form

Program 5 days	■ Course	Concrete Mix De	Construction:	, & Duilding		
•	■ Course	Department	•	. & Duilding		
•	■ Course		Engineering			
5 days		■ Workshop				
	□ 3 days	□ 1 days	Other:			
Local						
ASTMT		Indicate: -				
English	☐ Arabic	☐ Both	Other:			
	Course	Description				
	Course	Description				
stablish min normal conc	imum require rete mix desig	ed average strength				
Learning outcomes: Ability of designing concrete mixtures in the light of American Concrete Institute / Egyptian code requirement.						
oretical •	Tutorial	☐ Laboratory	□ Workshop	☐ Site Visit		
Course Prerequisites: None						
	he concept of establish min normal concentrate streng engineer training the American training traini	ASTMT Lenglish	Local International Indicate: - ASTMT Lenglish Arabic Both Course Description The properties and testing of Portland cement concept of concrete mixture design. The establish minimum required average strength mormal concrete mix design mixed establish data The engineer trainee to the concept of concrete mixed engineer traineer to the light of American Concrete engineer traineer traineer to the light of American Concrete engineer traineer traineer traineer to the light of American Concrete engineer traineer traineer to the light of American Concrete engineer traineer t	Local		

Who should attend:

All construction and civil engineers directly related to site concrete construction.

- M Neville, "Properties of concrete, " 3 Edition, longman scientific and technical, England, 1995.
- P.K.Mehta and P.J.Monterio, "Concrete: Structure, properties, and Materials,"2nd Edition, Prentice-Hall, Englewood Cliffs, USA, 1994.
- American Concrete institute," Manual for concrete partice," Parts 1 5, detroit, USA, 1995.
- M.Sidney and Y.Francis, "Concrete "printice-Hall, Inc. Englewood cliffes, N.J.07632.1981.
- M.S. Mamlouk, J. P. Zaniewski, "Materials for Civil and Construction Engineers," 2nd Edition, Pearson Education, Inc., Pearson Prentice Hall, Upper Saddle River, NJ USA, 2006.
- J. F. Young, S. Mindess, R. J. Gray and A. Bentur, "The Science and Technology od Civil Engineering Materials," Prentice Hall, Upper Saddle River, NJ USA, 1998.
- Shan Somayaji, "Civil Engineering Materials", prentic-Hall, Englewood Cliffs, USA, 1995.
- J.M.Illston," Construction Materials their nature and behavior, "E.&FN Spon, 1994.
- ESS Standards.
- ASTM Standards.
- Derucher, K.N., Korfiatis, G.P., and Ezeldin, A.S., "Materials for civil and Highway Engineers" 3rd Edition, Prentice-Hall, Englwood Cliffs, N.J., USA, 1994.

No. of Participa	ants/course: □5-10	■10-15	□ 15-20	□Other:					
Qualifications of Participants:									
No. of Lecturer	: ■1 □2	3							
No. of Assistano	ce: □1 □2	3	3						
	Course Facilities								
■ White Board □ Books		Data show	☐ Manual ☐Other:	☐ Handouts					
		Course Evalue	ation						
■ Written Examination □ Written Report(s) ■ Oral Presentation □ Attendance □ Delegates Participation									
Certificate Issue	Local Premises	■ AAST	TMT 🗆	International					
		Course Registr	ation						
Registration:	■AAST Admission R	egistration	Online	☐ Other:					
Sponsor:	☐ Individual		☐ Funded 1	By: 8000 L.E. Egyptian Company					
Fee's:	☐ L.E. 600 For Egyptian	□ \$ 200 For non Egyptia	Other: 20						
Documents required:	☐ Registration form	■ ID/Passport copy	Photo	☐ Photo					



Training Course Information Form

Course Name: Advances in the Technology of Portland Cement Concrete Industry						
Institute/Centre:			Department:	Construction Engineering	n & Building	
Type:	□Program	■ Course	□ Workshop			
Course Duration:	■ 5 days	□ 3 days	☐ 1 days	Other:		
Course Conducted:	Local		☐ International			
Course Venue:	AASTMT		Indicate:			
Course Language:	■ English	☐ Arabic	☐ Both	Other:		
		Course	Description			
Course Outlines:						
 Mineral admixtures for concrete Concrete at early ages Special types of concrete Non-destructive testing of Portland .cement concrete Shrinkage and creep of Portland cement concrete Course Objectives:						
	the engineer trement concrete.		test advances and tech	nologies in th	e field of the	
Learning outcomes: Familiarity with latest technology of Portland cement concrete						
Course includes:	Γheoretical	■ Tutorial	☐ Laboratory ☐	l Workshop	☐ Site Visit	
Course Prerequisites None	:					
 Who should attend: All construction and civil engineers directly related to site concrete construction. 						

- M Neville, "Properties of concrete, " 3 Edition, longman scientific and technical, England, 1995.
- P.K.Mehta and P.J.Monterio, "Concrete: Structure, properties, and Materials,"2nd Edition, Prentice-Hall, Englewood Cliffs, USA, 1994.
- American Concrete institute," Manual for concrete partice," Parts 1 5, detroit, USA, 1995.
- M.Sidney and Y.Francis, "Concrete "printice-Hall, Inc. Englewood cliffes, N.J.07632.1981.
- M.S. Mamlouk, J. P. Zaniewski, "Materials for Civil and Construction Engineers," 2nd Edition, Pearson Education, Inc., Pearson Prentice Hall, Upper Saddle River, NJ USA, 2006.
- J. F. Young, S. Mindess, R. J. Gray and A. Bentur, "The Science and Technology od Civil Engineering Materials," Prentice Hall, Upper Saddle River, NJ USA, 1998.
- Shan Somayaji, "Civil Engineering Materials", prentic-Hall, Englewood Cliffs, USA, 1995.
- J.M.Illston," Construction Materials their nature and behavior, "E.&FN Spon, 1994.
- ESS Standards.
- ASTM Standards.
- Derucher, K.N., Korfiatis, G.P., and Ezeldin, A.S., "Materials for civil and Highway Engineers" 3rd Edition, Prentice-Hall, Englwood Cliffs, N.J., USA, 1994.

No. of Participants/course: □5-10			■10-15	1	5-20	□Other:		
Qualifications of Participants:								
No. of Lecturer: No. of Assistance			□3 □3					
		Cou	rse Facili	ties				
■ White Board □ Books	J	Data show Tip charts	□ PC □ S/W	☐ Manua☐Other:		☐ Handouts		
	Course Evaluation							
 ■ Written Examination □ Written Report(s) ■ Oral Presentation □ Attendance □ Delegates Participation Certificate Issue: □ Local Premises ■ AASTMT □ International 								
		Cour	se Registra	tion				
Registration:	■AAST Admission R	egistration		O	nline	☐ Other:		
Sponsor:	☐ Individual			☐ Fu	ınded By	r: 8000 L.E. Egyptian Company		
Fee's:	☐ L.E. 600 For Egyptian	□ \$ 200 For r) 10n Egyptian	_	ther: 200	271 1 7		
Documents required:	☐ Registration form		assport copy	☐ Pi	ioto			



Training Course Information Form

Course Information

Course Name:	Durability of Portland Cement Concrete						
Institute/Centre:			Departmen	Construction Engineering	_		
Type:	□Program	■ Course	■ Workshop				
Course Duration:	■ 5 days	□ 3 days	□ 1 days	☐ Other:			
Course Conducted:	■ Local		☐ Internationa	1			
Course Venue:	AASTMT		mulcate.				
Course Language:	■ English	☐ Arabic	☐ Both	☐ Other:			
		Course	Description				
Course Outlines:							
 Permeability of portland cement concrete. Chemical attacks Alkali Silica reaction Sulfate attack Corrosion of steel reinforcement 							
Course Objectives:							
 To introduce the issue of concrete durability to the engineer trainee. To provide a brief insight about the different factors affecting the portland cement concrete mechanism of attack and the method of protection for different concrete structures. 							
Learning outcomes: Be aware of concrete durability, as well as methods of concrete structures protection.							
Course includes: □T	'heoretical	■ Tutorial	☐ Laboratory	☐ Workshop	☐ Site Visit		
Course Prerequisites: None							
Who should attend:							

• All construction and civil engineers directly related to site concrete construction.

This form should be completed by the accountable who conduct courses inside or outside A.R.E

- M Neville, "Properties of concrete, " 3 Edition, longman scientific and technical, England, 1995.
- P.K.Mehta and P.J.Monterio, "Concrete: Structure, properties, and Materials, "2nd Edition, Prentice-Hall, Englewood Cliffs, USA, 1994.
- American Concrete institute," Manual for concrete partice," Parts 1 5, detroit, USA, 1995.
- M.Sidney and Y.Francis, "Concrete "printice-Hall, Inc. Englewood cliffes, N.J.07632.1981.
- M.S. Mamlouk, J. P. Zaniewski, "Materials for Civil and Construction Engineers," 2nd Edition, Pearson Education, Inc., Pearson Prentice Hall, Upper Saddle River, NJ USA, 2006.
- J. F. Young, S. Mindess, R. J. Gray and A. Bentur, "The Science and Technology od Civil Engineering Materials," Prentice Hall, Upper Saddle River, NJ USA, 1998.
- Shan Somayaji, "Civil Engineering Materials", prentic-Hall, Englewood Cliffs, USA, 1995.
- J.M.Illston," Construction Materials their nature and behavior, "E.&FN Spon, 1994.
- ESS Standards.
- ASTM Standards.
- Derucher, K.N., Korfiatis, G.P., and Ezeldin, A.S., "Materials for civil and Highway Engineers" 3rd Edition, Prentice-Hall, Englwood Cliffs, N.J., USA, 1994.

No. of Participa	nts/course: □5-10	■ 10-	15	□ 15-20	□Other:			
Qualifications of Participants:								
No. of Lecturer	: ■1 □2	3						
No. of Assistance	e: □1 □2	3						
Course Facilities								
■ White Board □ Books	3			Ianual ther:	☐ Handouts			
Course Evaluation								
■ Written Examination □ Written Report(s) ■ Oral Presentation □ Attendance □ Delegates Participation								
Certificate Issue:	☐ Local Premises	■ A	ASTMT	☐ In	ternational			
	Course Registration							
Registration:	■AAST Admission R	egistration		☐ Online	☐ Other:			
Sponsor:	☐ Individual			☐ Funded By:				
Fee's:	☐ L.E. 600 For Egyptian	□ \$ 200 For non Eg		☐ Other: 2000	Egyptian Company \$ Non Egyptian Company			
Documents required:	☐ Registration form	■ ID/Passport	сору	☐ Photo				



Training Course Information Form

		Course	Injormation				
Course Name: Masonry in Construction							
Institute/Centre:			Departmen	Construction	on & Building		
msutute/Centre.			Departmen	Engineerin	g		
Type:	□Program	■ Course	☐ Workshop				
Course Duration:	■ 5 days	□ 3 days	☐ 1 days	Other: -			
Course Conducted:	■ Local		☐ Internationa	1			
Course Venue:	AASTMT		marcate.				
Course Language:	■ English	☐ Arabic	☐ Both	☐ Other:			
		Course	Description				
Course Outlines:							
 Properties of different masonry units Testing of different masonry units Mortar, Grout and Plaster Masonry Construction Course Objectives: To introduce the engineer trainee to the properties and testing of different masony units and grouts used in masonry construction. 							
Learning outcomes: Knowledge of masonry properties and testing principles							
Course includes: □	Theoretical	■ Tutorial	☐ Laboratory	☐ Workshop	☐ Site Visit		
Course Prerequisites: None							
Who should attend: • All construct		ngineers direct	ly related to site con	struction.			

- M.S. Mamlouk, J. P. Zaniewski, "Materials for Civil and Construction Engineers," 2nd Edition, Pearson Education, Inc., Pearson Prentice Hall, Upper Saddle River, NJ USA, 2006.
- P.K.Mehta and P.J.Monterio, "Concrete: Structure, properties, and Materials,"2nd Edition, Prentice-Hall, Englewood Cliffs, USA, 1994.
- J. F. Young, S. Mindess, R. J. Gray and A. Bentur, "The Science and Technology od Civil Engineering Materials," Prentice Hall, Upper Saddle River, NJ USA, 1998.
- Shan Somayaji, "Civil Engineering Materials", prentic-Hall, Englewood Cliffs, USA, 1995.
- J.M.Illston," Construction Materials their nature and behavior, "E.&FN Spon, 1994.
- American Concrete institute," Manual for concrete partice," Parts 1-5, Detroit, USA, 1995.
- ESS Standards.
- ASTM Standards.
- Derucher, K.N., Korfiatis, G.P., and Ezeldin, A.S., "Materials for civil and Highway Engineers" 3rd Edition, Prentice-Hall, Englwood Cliffs, N.J., USA, 1994.

No. of Participa	ants/course: □5-10		■ 10-15	□ 15-20	□Other:				
Qualifications of Participants:									
No. of Lecturer	: ■1 □2		3						
No. of Assistance	ce: □1 □2		3						
Course Facilities									
■ White Board □ Books	J	Data show Flip charts	□ PC □ S/W	☐ Manual ☐Other:	☐ Handouts				
Course Evaluation									
■ Written Examination □ Written Report(s) ■ Oral Presentation □ Attendance □ Delegates Participation									
Certificate Issue:	Local Premises		■ AASTI	MT 📮 I	nternational				
		Cours	e Registra	tion					
Registration:	■AAST Admission R	egistration		☐ Online	☐ Other:				
Sponsor:	☐ Individual			☐ Funded By	r: 8000 L.E. Egyptian Company				
Fee's:	☐ L.E. 600 For Egyptian	□ \$ 200 For no	n Egyptian	☐ Other: 200					
Documents required:	☐ Registration form	■ ID/Pas	sport copy	☐ Photo					



Training Course Information Form

Course Name:	Course Name: Testing of Construction Materials According to the Egyptian Code						
Institute/Centre:			Department	Construction: Engineerin	on & Building		
Type:	□Program	■ Course	■ Workshop				
Course Duration:	■ 5 days	□ 3 days	□ 1 days	☐ Other: -			
Course Conducted:	■ Local		☐ International				
Course Venue:	AASTMT		Indicate: -				
Course Language:	■ English	☐ Arabic	☐ Both	☐ Other: -			
		Course	e Description				
Course Outlines:							
 Fresh concre Hardened co Non-destruct Reinforcing s Masonry test 	ncrete testing ive testing of costeel testing						
 Course Objectives: To introduce the engineer trainee to the testing concept of the different construction materials such as aggregate, Portland cement, concrete, mixing and curing water, steel reinforcement, masonryetc. 							
Learning outcomes: Know how to test various construction materials							
Course includes:	Γheoretical	■ Tutorial	☐ Laboratory	□ Workshop	☐ Site Visit		
Course Prerequisites: None							
Who should attend: • All construct	ion and civil er	igineers direc	tly related to site con	struction.			

- W. D. Callister Jr, "Materials Science and Engineering: An Introduction,".JohnWiley &Sons, Inc, Canada, 1994
- Handouts will be available on demand subject to course requirements.
- BENHAM,P. and CRAWFORD,Z.R.," Mechanics of Engineering Materials "Longman Group, 1981.
- J. F. Young, S. Mindess, R. J. Gray and A. Bentur, "The Science and Technology od Civil Engineering Materials," Prentice Hall, Upper Saddle River, NJ USA, 1998.
- M.S. Mamlouk, J. P. Zaniewski, "Materials for Civil and Construction Engineers," 2nd Edition, Pearson Education, Inc., Pearson Prentice Hall, Upper Saddle River, NJ USA, 2006.
- BEER, F. and JOHNSTON, E.R.," Mechanics of Materials", McGraw-Hill, New York, USA, 1986.
- POPOR,E.P.," mechanics of Materials ", 2 nd Edition, Prentice-Hall Englewood cliffs.
- R.C.HIBBELER, "Mechanics of Materials," McMillan, New York, 1991.
- R.S.KHURMI, "Strength of Materials", S.Chand & Company, NewDelhi, 1986.
- GERE & TIMOSHENKO, "Mechanics of Materials", PWS-KENT Publisher, 1990.
- Books available in the library.

No. of Participants/course: □5-10			■10-15	□ 15-20	□Other:			
Qualifications of Participants:								
			□ 3					
		Cours	se Facili	ties				
■ White Board □ Books	■V. Projector ☐ Handouts	□Data show □Flip charts	□ PC □ S/W	☐ Manual ☐Other:	☐ Handouts			
	Course Evaluation							
■ Written Examination □ Written Report(s) ■ Oral Presentation □ Attendance □ Delegates Participation								
Certificate Issue	Local Premises		■ AAST	MT 🗖 I	International			
Course Registration								
Registration:	■AAST Admission	n Registration		Online	☐ Other:			
Sponsor:	☐ Individual			☐ Funded By	y: 8000 L.E. Egyptian Company			
Fee's:	☐ L.E. 600 For Egyptia	an \$ 200	n Egyptian	☐ Other: 200				
Documents required:	☐ Registration form	m ID/Pass	sport copy	☐ Photo				



Training Course Information Form

Course Information

Course Name:	Course Name: Special Types of Portland Cement Concrete						
Institute/Centre:			Department	Construction: Engineering	on & Building		
Type:	□Program	■ Course	□ Workshop				
Course Duration:	■ 5 days	□ 3 days	☐ 1 days	☐ Other:			
Course Conducted:	■ Local		☐ Internationa				
Course Venue:	AASTMT		Indicate: -				
Course Language:	■ English	☐ Arabic	☐ Both	Other:			
		Course	e Description				
Course Outlines:			*				
 Self compact High perform Fiber reinford Lightweight of Hot weathering Course Objectives:	nance concrete ced concrete concrete						
_	n introduction rtland cement	_	eral properties, uses,	testing and app	lications of special		
Learning outcomes: Complete understand	ing of special	types of Portla	and cement concrete				
Course includes: 🗆 7	Theoretical	■ Tutorial	☐ Laboratory	☐ Workshop	☐ Site Visit		
Course Prerequisites: None	:						
Who should attend: • All construction Course References:	ion and civil e	ngineers direct	tly related to site con	crete constructi	ion.		

- M Neville, "Properties of concrete, " 3 Edition, longman scientific and technical, England, 1995.
- P.K.Mehta and P.J.Monterio, "Concrete: Structure, properties, and Materials,"2nd Edition, Prentice-Hall, Englewood Cliffs, USA, 1994.
- American Concrete institute," Manual for concrete partice," Parts 1 5, detroit, USA, 1995.
- M.Sidney and Y.Francis, "Concrete "printice-Hall, Inc. Englewood cliffes, N.J.07632.1981.
- M.S. Mamlouk, J. P. Zaniewski, "Materials for Civil and Construction Engineers," 2nd Edition, Pearson Education, Inc., Pearson Prentice Hall, Upper Saddle River, NJ USA, 2006.
- J. F. Young, S. Mindess, R. J. Gray and A. Bentur, "The Science and Technology od Civil Engineering Materials," Prentice Hall, Upper Saddle River, NJ USA, 1998.
- Shan Somayaji, "Civil Engineering Materials", prentic-Hall, Englewood Cliffs, USA, 1995.
- J.M.Illston," Construction Materials their nature and behavior, "E.&FN Spon, 1994.
- ESS Standards.
- ASTM Standards.
- Derucher, K.N., Korfiatis, G.P., and Ezeldin, A.S., "Materials for civil and Highway Engineers" 3rd Edition, Prentice-Hall, Englwood Cliffs, N.J., USA, 1994.

	No. of Participants/course: □5-10				15	□ 15-20	□Other:	
	Qualifications	of Participar						
	No. of Lecture	r: ■1	2	3				
	No. of Assistar	nce: □1	2	3				
				Course Fo	acilities			
■ White □ Books		3	□Data show □Flip charts	□ PC □ S/W		Manual Other:	☐ Handouts	
				Course Ev	aluation			
	en Examination gates Participatio		☐ Written l	Report(s)	■ Oral Pre	esentation	☐ Attendance	
	Certificate Issue	e: 🗖 Local Pr	emises	■ A.	ASTMT		International	
				Course Reg	gistration			
	Registration:	■AAST Ad	lmission Reg	istration		Online	☐ Other:	
	Sponsor:					☐ Funded B	y: 8000 L.E. Egyptian Company	
Fee's: L.E. 600 For Egyptian			□ \$ 200 For non Egy	ptian/	Other: 20			
	Documents required:	☐ Registrat	ion form	■ ID/Passport	copy	☐ Photo		



Training Course Information Form

	D.C.	D. J. M.		C	N 4 .
Course Name:	WII	x Design, 10	esting and Quality	Control of C	oncrete
Institute/Centre:			Department:	Construction Engineerin	on & Building
Type:	□Program	■ Course	■ Workshop		
Course Duration:	■ 5 days	□ 3 days	□ 1 days	☐ Other: -	
Course Conducted:	■ Local		☐ International		
Course Venue:	AASTMT		Indicate:		
Course Language:	■ English	☐ Arabic	☐ Both	Other:	
		Course	2 Description		
Course Outlines:					
 Concrete add Mix design. Tests for fres Tests for har Tests for fres 		oretical). (theoretical). d application)			
Course Objectives:					
different applications	s. The course alecording to diffe	so aims at intrerent s	g the suitable material roducing engineers to tandards, as well as gi	the different t	ests for fresh and
Learning outcomes: Ability of designing thardened concrete tes	the right mix fo	or various app	lications, in addition to	understandi	ng all fresh and
Course includes:	Theoretical	■ Tutorial	☐ Laboratory ☐	l Workshop	☐ Site Visit
Course Prerequisites None This form should be co		ccountable who	o conduct courses inside	or outside A.F	R.E

Who should attend:

- Fresh engineering graduates.
- Engineers working at ready mix concrete plants.
- Quality control engineers.
- Consultants' site engineers.
- Contractors' project managers and engineers.

- M.S. Mamlouk, J. P. Zaniewski, "Materials for Civil and Construction Engineers," 2nd Edition, Pearson Education, Inc., Pearson Prentice Hall, Upper Saddle River, NJ USA, 2006.
- M.Neville "Properties of Concrete," 3rd Edition, longman & Technical, England 1996.
- P.K.Mehta and P.J.Monterio, "Concrete: Structure, properties, and Materials,"2nd Edition, Prentice-Hall, Englewood Cliffs, USA, 1994.
- Shan Somayaji, "Civil Engineering Materials", prentic-Hall, Englewood Cliffs, USA, 1995.
- American Concrete institute," Manual for concrete partice," Parts 1-5, Detroit, USA, 1995.
- ESS Standards.
- ASTM Standards.
- Tang, S. L., Ahmed, S. M., Aoieong, R. T., Poon, S. W., Construction Quality Management, Hong Kong University Press, Hong Kong, 2005.
- McCabe, S. "Quality Improvement Techniques in Construction," Addison Wesly Longman limited, Edinburgh Gate, England 1998.
- Besterfield, D.M. "Quality Control," Prentice Hall, Englewood Cliffs, USA 1994.
- ACI Committee 214, "Evaluation of strength test results of concrete," ACI 214R-02, American Concrete Institute, Detroit, MI, USA, 2002

	No. of Participa	ants/course	e: □ 5-10	■ 10-15	□ 15-20	□Other:
	Qualifications	of Particip	ants:			
	No. of Lecture	: ■1	2	3		
	No. of Assistan	ce: □1	2	3		
■ White □ Books		rojector idouts	■Data show □Flip charts	Course Facili □ PC □ S/W	ities Manual Other:	☐ Handouts
				Course Evalua		
	en Examination gates Participatio	n	☐ Written I	Report(s) ■ Or	al Presentation	☐ Attendance
	Certificate Issue	: 🗖 Local I	Premises	■ AAST	MT 🗆	International
				Course Registre	ation	
	Registration:	■AAST A	Admission Reg	stration	Online	☐ Other:
	Sponsor:	☐ Individ	lual		☐ Funded l	By: 8000 L.E. Egyptian Company
	Fee's:	□ L.E. 60 Fo	00 or Egyptian	■ \$ 200 For non Egyptian	Other: 20	
	Documents required:			■ ID/Passport copy		



Training Course Information Form

Course Name: Quality Control for Concrete Production (According to ACI 214R02					
Institute/Centre:			Departmen	Construction t: Engineerin	on & Building
Type:	□Program	■ Course	□ Workshop		
Course Duration:	■ 5 days	□ 3 days	☐ 1 days	☐ Other: -	
Course Conducted:	■ Local		☐ Internationa Indicate:	.1	
Course Venue:	AASTMT				
Course Language:	■ English	☐ Arabic	☐ Both	☐ Other: -	
		Cours	e Description		
Course Outlines:					
 Variation in of Analysis of c Criteria used Evaluation of Course Objectives: To introduce application 	the construction	th data inimum requi ngth data on engineers t dustry	red average strength		
To provide an quality con		to the evaluat	ion of concrete stren	gth test data an	d the use of statistical
Learning outcomes: Knowledge of quality concrete strength test Course includes: Course Prerequisites None	/ control conce s Γheoretical	epts and the us ■ Tutorial	se of statistical qualit	y control tools	in the evaluation of ☐ Site Visit

Who should attend:

- All construction and civil engineers directly related to site concrete construction.
- All quality control engineers connected with the concrete construction.

- Tang, S. L., Ahmed, S. M., Aoieong, R. T., Poon, S. W., Construction Quality Management, Hong Kong University Press, Hong Kong, 2005.
- McCabe, S. "Quality Improvement Techniques in Construction," Addison Wesly Longman limited, Edinburgh Gate, England 1998.
- McCaffer, R., Harris, F. and Edum-Fotwe, F., Modern Construction Management, 2004.
- Thorpe, Brian and Sumner, Peter, Quality Management in Construction, Gower Publishing, UK, 2005. Kubal, M.T. "Engineering Quality in Construction: Partnering and TQM," McGraw Hill Inc., New York, 1994.
- Besterfield, D.M. "Quality Control," Prentice Hall, Englewood Cliffs, USA 1994.
- ACI Committee 214, "Evaluation of strength test results of concrete," ACI 214R-02, American Concrete Institute, Detroit, MI, USA, 2002
- Books available at the AASTMT library

	No. of Participa	nts/course	: □5-10	•	10-15	□ 15-20	□Other:
	Qualifications of	of Participa	ants:				
	No. of Lecturer	: ■1	2		13		
	No. of Assistance	e: □1	2		13		
				Course	e Facilitie	?S	
■ White □ Books			□Data show □Flip charts	□ PC □ S/W		☐ Manual ☐Other:	☐ Handouts
				Course	Evaluatio	on	
	en Examination gates Participation	n	☐ Written I	Report(s)	■ Oral I	Presentation	1 Attendance
	Certificate Issue:	Local F	Premises	•	■ AASTM	T 🗖 I	nternational
				Course	Registratio	on	
	Registration:	■AAST A	Admission Reg	istration		Online	☐ Other:
	Sponsor:	☐ Individ	ual			☐ Funded By	: 8000 L.E. Egyptian Company
	Fee's:	□ L.E. 60 Fo	0 or Egyptian	□ \$ 200 For non	Egyptian	☐ Other: 200	
	Documents required:			■ ID/Passp		☐ Photo	



Training Course Information Form

Course Name:	Inspection	ı, Maintena	nce, Evaluation, St	rengthening	and REPAIR OF
Institute/Centre:			STRUCTURES Department:	Construction Engineerin	on & Building
Type:	□Program	■ Course	☐ Workshop	-	
Course Duration:	■ 5 days	□ 3 days	□ 1 days	Other: -	
Course Conducted:	■ Local		☐ International Indicate:		
Course Venue:	AASTMT				
Course Language:	■ English	☐ Arabic	☐ Both	☐ Other:	
		Course	e Description		
Course Outlines:					
Repair and stRepair and stRepair and stRepair of str	trengthening of trengthening of trengthening of uctures using a unical reports in	masonry stru reinforced co steel structur dvanced comp	oncrete structures.	nce, evaluatio	on, strengthening and
Course Objectives:					
addition this course a may occur in structur different repair and s	nims at helping res and their car trengthening te	engineers in i uses. This cou	er tools for the inspect dentifying the different arse also aims at introd different types of struc	t problems ar ucing the eng	nd deteriorations that
Learning outcomes: Be aware of maintenance.		n, and repair o	of structures		
Course includes:	Theoretical	■ Tutorial	☐ Laboratory ☐	W orkshop	☐ Site Visit
Course Prerequisites None This form should be co		occountable wh	o conduct courses inside	or outside A I	R.E

Who should attend:

- Fresh engineering graduates.
- Engineers working in consulting firms and offices.
- Engineers working in maintenance and engineering departments in non engineering firms and companies.
- Engineers working for or supervising repair contractors.

- L.H.Son,and G.C.S.Yuen, "Building Maintenance Technology", Macmillan Press, London, 1993.
- N.P.Mailvaganam, "Repair and Protection of Concrete Structures", CRC Press, Florida, USA, 1991

	No. of Participants/course: □5-10					□ 15-20	☐Other:			
	Qualifications of Participants:									
	No. of Lecturer:	■ 1	2		13					
	No. of Assistance	e: □1	2		13					
				Course	e Facilities	,				
■ White □ Books			■Data show □Flip charts	□ PC □ S/W		Manual Other:	☐ Handouts			
	Course Evaluation									
	en Examination gates Participation		☐ Written I	Report(s)	■ Oral P	resentation \square	Attendance			
	Certificate Issue:	☐ Local P	remises		■ AASTMT	In	iternational			
				Course	Registratio	n				
	Registration:	■AAST A	dmission Regi	istration		☐ Online	☐ Other:			
	Sponsor: Individual				☐ Funded By: 8000 L.E. Egyptian Company					
	Fee's:	□ L.E. 600 Fo	0 or Egyptian	□ \$ 200 For non	Egyptian	☐ Other: 2000				
	Documents required:	☐ Registra		■ ID/Passp		☐ Photo				



Training Course Information Form

Course Name: Introduction to the Current Egyptian Code of Practice for Concre Design						
In atitust of Company			G	Construction	on & Building	
Institute/Centre:			Departmen	Engineerin	ıg	
Type:	□Program	■ Course	☐ Workshop			
Course Duration:	■ 5 days	□ 3 days	□ 1 days	☐ Other: -		
Course Conducted:	■ Local		☐ Internationa Indicate:	nl 		
Course Venue:	AASTMT					
Course Language:	■ English	☐ Arabic	☐ Both	Other: -		
		Course	e Description			
Course Outlines:						
 Material stret Design for be Design for sh Design for ax Detailing and Using the des Course Objectives:	near and torsion it is and combin to design for diffigure aids.	ties according ded axial and the ferent types of the content types.	g to the codes. Dending loads. Estructures.	ice for concrete	e design, and the	
changes that occurred	l in it compared	d to the previo	ous codes.			
Learning outcomes: Be aware of the current code for concrete design, in addition to understanding changes that had occurred to it.						
Course includes:	Γheoretical	■ Tutorial	☐ Laboratory	☐ Workshop	☐ Site Visit	
Course Prerequisites: None						

Who should attend:

- Design engineers in consulting offices and firms.
- Technical office engineers in construction companies.

- Ghoneim, M, and El-Mihilmy, M, "Design of Reinforced Concrete Structures", First Edition, Vol 1 and 2, 2005
- W.H.Moslay, R.Hulse, J.H.Bungey, "Reinforced Concrete Design", MacMillan, 1990.
- Egyptian Code of Practice for Reinforced Concrete Structures, 2006.
- J.C.McCarmac, "Design of Reinforced Concrete Structures", Harper Collins, 1993.
- Ghali, R. Favre, and M. Elbadry, "Concrete Structures: Stresses and Deformations", 3rd edition, Taylor & Francis, Inc., 2004.
- A.E. Naaman, "Prestressed Concrete: Analysis and Design", McGraw-Hill, 1983.
- C.K. Wang and C.G. Salmon, "Reinforced Concrete Design", 4th Edition, Harpor Row, 1998.

	No. of Par	■ 10-	-15	□ 15-20	□Other:					
	Qualificat	ions of Particip	oants:							
	No. of Lec	eturer: ■1	$\square 2$	3						
	No. of Ass	istance: □1	2	$\square 2$ $\square 3$						
				Course F	acilities					
■ White □ Books		■V. Projector ☐ Handouts	□Data show □Flip charts	□ PC □ S/W		Manual Other:	☐ Handouts			
	Course Evaluation									
	en Examina gates Partici		☐ Written I	Report(s)	■ Oral Pre	esentation [☐ Attendance			
	Certificate	Issue: Local	Premises	■ A	ASTMT		International			
				Course Reg	gistration					
	Registratio	on: ■AAST	Admission Regi	istration		☐ Online	☐ Other:			
	Sponsor: □ Individual					☐ Funded B	y: 8000 L.E. Egyptian Company			
	Fee's:	□ L.E. 6 H	600 For Egyptian	□ \$ 200 For non Eg	yptian	☐ Other: 200				
Documents required:				■ ID/Passport		☐ Photo				



Who should attend:

Arab Academy for Science, Technology and Maritime Transport

Training Course Information Form

Course Information **Introduction to Structural Dynamics Course Name:** Construction & Building **Department: Institute/Centre:** Engineering Type: □Program ■ Course ■ Workshop **Course Duration:** ☐ Other: ---■ 5 days □ 3 days □ 1 days **Course Conducted:** ■ Local ■ International Indicate: -**Course Venue: AASTMT Course Language:** □ Both ■ English ☐ Arabic ☐ Other: -Course Description **Course Outlines: Dynamic Loads** Linear Differential Equation of Motion Response to Dynamic Loading Single and multe Degree of Freedom models of Structures Response Spectra Method of Analysis Modal Analysis of structures **Course Objectives:** Introducing the students to dynamics that the Structures undergo on being loaded with special dynamic lands and showing them how to model the structures and obtain the structures response to such loads **Learning outcomes:** Calculation of dynamic loads Structural behavior under dynamic load Structural response **Course includes:** □ Theoretical ■ Tutorial □ Laboratory ☐ Workshop ☐ Site Visit **Course Prerequisites:** None

- B.SC. Civil Engineering
- B.SC. construction Engineering

- CHOPRA, ANIL K., "Dynamics of Structures", Theory and Applications to Earthquake Engineering, Prentice-Hall, Englewood Cliffs, USA.
- PAZ, M." Structural Dynamics: Theory and Computation", 2 nd Edition, Van Nastrand Reinhold Company, New York, 1985.
- LIN, Y. "Probabilistic Theory of Structural Dynamics", McGraw-Hill Inc.,1967.

	No. of Participa	nts/course: □5-10	■ 10-15	□ 15-20	□Other:
	Qualifications o	f Participants:			
	No. of Lecturer:	: ■1 □2	□ 3		
	No. of Assistance	e: □1 □2	□ 3		
			Course Facilities	S	
■ White □ Books				l Manual lOther:	☐ Handouts
			Course Evaluatio	n	
	en Examination gates Participation		Report(s) Oral P	resentation	☐ Attendance
	Certificate Issue:	☐ Local Premises	■ AASTM7		International
			Course Registratio	n	
	Registration:	■AAST Admission Re	gistration	Online	☐ Other:
	Sponsor:		☐ Funded By	y: 8000 L.E. Egyptian Company	
	Fee's:	☐ L.E. 600 For Egyptian	□ \$ 200 For non Egyptian	☐ Other: 200	
	Documents required:	☐ Registration form	■ ID/Passport copy	☐ Photo	



Training Course Information Form

Course Name:	Course Name: Design for Dynamic Loads							
Institute/Centre:			Departmen	Construction Engineering	on & Building			
Type:	□Program	■ Course	☐ Workshop					
Course Duration:	■ 5 days	□ 3 days	☐ 1 days	Other: -				
Course Conducted:	■ Local		☐ Internationa					
Course Venue:	AASTMT		Indicate:					
Course Language:	■ English	☐ Arabic	☐ Both	☐ Other:				
Course Description								
Course Outlines: Structures models . Dynamic Loads . Response to structural Loads . Design Detailing Codes approaches Course Objectives: To introduce the students to the criteria of how to design for dynamic loads and how some codes approach the problem Learning outcomes: Be aware of structure models, dynamic loads and design detailing								
Course Prerequisites:		■ Tutorial	☐ Laboratory	☐ Workshop	☐ Site Visit			
Introduction to Struct								
		Who should attend: Design Experience						

- CHOPRA, ANIL K., "Dynamics of Structures", Theory and Applications to Earthquake Engineering, Prentice-Hall, Englewood Cliffs, USA.
- PAZ, M." Structural Dynamics: Theory and Computation", 2 nd Edition, Van Nastrand Reinhold Company, New York, 1985.
- LIN, Y. "Probabilistic Theory of Structural Dynamics", McGraw-Hill Inc.,1967.

	No. of Part	■ 10-	-15	□ 15-20	□Other:					
	Qualificati	ons of Particip	oants:							
	No. of Lect	turer: ■1	1 2	3						
	No. of Assi	stance: □1	2	3						
Course Facilities										
■ White □ Books		IV. Projector I Handouts	■Data show □Flip charts	□ PC □ S/W		Manual Other:	☐ Handouts			
Course Evaluation										
	en Examinat gates Particij		■Written]	Report(s)	■Oral Pre	esentation [☐ Attendance			
	Certificate	Issue: 🗖 Local	Premises	■ A	ASTMT	□ I	nternational			
				Course Re	gistration					
	Registratio	n: ■AAST	Admission Reg	istration		☐ Online	☐ Other:			
	Sponsor:	☐ Indivi	dual			☐ Funded By	7: 8000 L.E. Egyptian Company			
	Fee's:	□ L.E. 6 F	00 For Egyptian	□ \$ 200 For non Eg	yptian	☐ Other: 200				
	Documents required:	i	ration form	■ ID/Passport		☐ Photo	67F F			



Training Course Information Form

Course Information

Course Name Earthquake Design									
Course Name:		•							
Institute/Centre:			Departmen	t:	Construction & Building Engineering				
Type:	□Program	■ Course	□ Workshop	Engineerin	ıg				
Course Duration:	■ 5 days	□ 3 days	□ 1 days	☐ Other:					
Course Conducted:	■ Local	·	☐ Internationa						
Course Venue:	AASTMT		Indicate:						
Course Language:	■ English	☐ Arabic	☐ Both	Other: -					
Course Description									
Course Outlines:			Ŷ						
 Design ar 	nd detailing of and strengthening course is to intro	steel structures g of structures roduce engine	_	dings. uake loadings. gineering, in a	ddition to the design				
Learning outcomes: Knowledge of earthque		d structures su	ubjected to earthqual	ke loadings.					
Course includes:	Theoretical	■ Tutorial	☐ Laboratory	☐ Workshop	☐ Site Visit				
Course Prerequisites	:								
Who should attend: • Fresh engined	ering graduates								

- Design engineers in consulting offices and firms.
- Technical office engineers in construction companies.

- CHOPRA, ANIL K., "Dynamics of Structures", Theory and Applications to Earthquake Engineering, Prentice-Hall, Englewood Cliffs, USA.
- PAZ, M." Structural Dynamics: Theory and Computation", 2 nd Edition, Van Nastrand Reinhold Company, New York, 1985.
- LIN, Y."Probabilistic Theory of Structural Dynamics", McGraw-Hill Inc.,1967.

	No. of Participa	nts/course	: □5-10	■ 10-15	□ 15-20	□Other:						
	Qualifications o	f Participa	ants:									
	No. of Lecturer	■ 1	2	3								
	No. of Assistance	e: 🗆 1	2	3								
				Course Facilit	ies							
■ White □ Books			■Data show □Flip charts	□ PC □ S/W	☐ Manual ☐Other:	Handouts						
	Course Evaluation											
	en Examination gates Participation	l	☐ Written F	Report(s) ■ Ora	l Presentation	Attendance						
	Certificate Issue:	☐ Local P	Premises	■ AASTN	MT 📮 Ir	nternational						
				Course Registra	tion							
	Registration:	■AAST A	dmission Regi	stration	Online	☐ Other:						
	Sponsor:	☐ Individu	ual		☐ Funded By:	8000 L.E. Egyptian Company						
	Fee's:	□ L.E. 60 Fo	0 or Egyptian	□ \$ 200 For non Egyptian	☐ Other: 2000							
	Documents required:	☐ Registra		■ ID/Passport copy	☐ Photo							



Training Course Information Form

Course Information **Tall Buildings Course Name: Construction & Building Institute/Centre: Department: Engineering** Type: ■ Workshop **□**Program ■ Course ☐ Other: -----**Course Duration:** ■ 5 days □ 3 days □ 1 days ■ International **Course Conducted:** ■ Local Indicate: **Course Venue: AASTMT Course Language:** ■ English ☐ Arabic □ Both ☐ Other: ---Course Description **Course Outlines:** History of tall buildings. Difference between ordinary and tall buildings. Types of tall buildings. Lateral loads on tall buildings. Types of lateral load resisting elements in tall building. Gravity load resisting elements in tall buildings. Preliminary analysis and design lateral load resisting elements. Detailed analysis of lateral load resisting elements. Designing and detailing lateral load resisting elements. Foundations for tall buildings **Course Objectives:** This course aims at providing design engineers with the knowledge needed to design tall buildings, in lieu of the proposed increase of the maximum allowable height of buildings in some areas in Egypt. **Learning outcomes:** Ability of designing tall buildings **Course includes:** □ Theoretical ■ Tutorial ☐ Laboratory ☐ Workshop ☐ Site Visit **Course Prerequisites:** None

Fresh engineering graduates. Design engineers in consulting offices and firms. Technical office engineers in construction companies. **Course References:** No. of Participants/course: $\Box 5-10$ **■**10-15 **15-20** □Other: -----**Qualifications of Participants:** No. of Lecturer: ■1 $\square 2$ $\square 3$ No. of Assistance: $\Box 1$ $\square 2$ $\Box 3$ Course Facilities ■ White Board ■V. Projector □Data show \square PC ☐ Manual ☐ Handouts ☐ Books ☐ Handouts □Other: -☐Flip charts \square S/W Course Evaluation ■ Written Examination ☐ Written Report(s) ■ Oral Presentation □ Attendance ☐ Delegates Participation **Certificate Issue:** \square Local Premises ■ AASTMT ☐ International Course Registration **Registration:** ■AAST Admission Registration ☐ Online ☐ Other: -----

□ \$ 200

For non Egyptian

■ ID/Passport copy

☐ Funded By: 8000 L.E.

☐ Other: 2000 \$

☐ Photo

Egyptian Company

Non Egyptian Company

Who should attend:

Sponsor:

Documents

required:

Fee's:

☐ Individual

□ L.E. 600

For Egyptian

☐ Registration form



Training Course Information Form

Course Name:		Reli	ability in Civil En	gineering					
Institute/Centre:			Department	Construction Engineerin	on & Building				
Type:	□Program	■ Course	☐ Workshop	C					
Course Duration:	■ 5 days	□ 3 days	□ 1 days	Other: -					
Course Conducted:	Local		☐ International						
Course Venue:	AASTMT		maleute.						
Course Language:	■ English	☐ Arabic	☐ Both	☐ Other:					
Course Description									
Course Outlines:									
 Defining unce 	theorem and or ertainty parame	eters from actu	ual data . uncertainty condition	S.					
To introduce the stude applications and how of indeterminist trend Learning outcomes:	to model such	uncertainty ar	nd how to approach p	•	O I				
Understanding and ap	plying reliabil	ity in civil eng	gineering						
Course includes: □T	'heoretical	■ Tutorial	☐ Laboratory ☐	■ Workshop	☐ Site Visit				
Course Prerequisites: None									
Who should attend: This form should be con	npleted by the a	accountable who	o conduct courses inside	or outside A.F	R.E				

Course References: No. of Participants/course: $\Box 5-10$ **■**10-15 **15-20** □Other: -----**Qualifications of Participants:** No. of Lecturer: ■1 $\square 2$ $\Box 3$ $\square 2$ **3** No. of Assistance: $\Box 1$ Course Facilities ☐ Handouts ■ White Board ■V. Projector □Data show □ PC ☐ Manual ☐ Books ☐ Handouts ☐Flip charts □ S/W □Other: Course Evaluation ■ Written Examination ☐ Written Report(s) ■ Oral Presentation □ Attendance ☐ Delegates Participation ☐ International **Certificate Issue:** \square Local Premises ■ AASTMT Course Registration **Registration:** ■ AAST Admission Registration ☐ Online ☐ Other: -----

□ \$ 200

For non Egyptian

■ ID/Passport copy

☐ Funded By: 8000 L.E.

☐ Other: 2000 \$

☐ Photo

Egyptian Company

Non Egyptian Company

B.SC. Civil engineering .
B.SC. Construction Engineering

Sponsor:

Documents

required:

Fee's:

☐ Individual

□ L.E. 600

For Egyptian

☐ Registration form



Training Course Information Form

Course Information

Course Name:		Elements	Elements Health Monitoring of Structures						
Institute/Centre:			Departmen	Constructi Engineerir	on & Building				
Type:	□Program	■ Course	☐ Workshop						
Course Duration:	■ 5 days	□ 3 days	□ 1 days	☐ Other:					
Course Conducted:	■ Local		☐ Internationa	1					
Course Venue:	AASTMT		maicute.						
Course Language:	■ English	☐ Arabic	☐ Both	☐ Other: -					
		Cours	e Description						
Course Outlines:									
Examples ofMethods of a Course Objectives:		oblems .	nealth monitoring and	the potential l	behind its requiremen				
Learning outcomes Understanding health		oncepts and th	e importance of its a	oplication					
Course includes: □	Theoretical	■ Tutorial	☐ Laboratory	☐ Workshop	☐ Site Visit				
Course Prerequisites None	5:								
 Advanced de 	Iathematical Kr		ction to structural dyn	amics).					

	Course Referenc	es:									
	No. of Participants/course: □			5-10 •10-15		1 13	5-20	□Other:			
	Qualifications of										
	No. of Lecturer:		■ 1 □2		3						
	No. of Assistanc	e: □1	2	Ū	3						
Course Facilities											
■ White ■ Books		J	□Data show □Flip charts	□ PC □ S/W		☐ Manua☐Other:		Handouts			
Course Evaluation											
	en Examination gates Participation		☐ Written I	Report(s)	■ Oral	l Presenta	tion 🗖	Attendance			
	Certificate Issue:	☐ Local Pr	remises		■ AASTN	МΤ	□ In	nternational			
				Course	Registrat	tion					
	Registration:	■AAST A	dmission Reg	istration		☐ Or	nline	Other:			
	Sponsor:	☐ Individu	ıal	□ \$ 200 For non Egyptian		☐ Fu	☐ Funded By: 8000 L.E. Egyptian Company				
	Fee's:	L.E. 600 For) r Egyptian				her: 2000				
	Documents required:	☐ Registra	tion form	■ ID/Pass		☐ Ph	oto				



Training Course Information Form

Course Information

Course Name:		Design for	Design for Cold-Formed Steel Structures						
Institute/Centre:			Department:	Construction & Building Engineering					
Type:	□Program	■ Course	■ Workshop						
Course Duration:	■ 5 days	□ 3 days	□ 1 days	□ Other:					
Course Conducted:	■ Local		☐ International Indicate:						
Course Venue:	AASTMT								
Course Language:	■ English	☐ Arabic	☐ Both	☐ Other:					

Course Description

Course Outlines:

- Become familiar with steel grades applicable for cold-formed steel members.
- Develop and understanding of the behavior of cold-formed steel members and connections.
- Learn the appropriate applications for cold-formed steel members and connections.
- Be able to develop more optimum designs using cold-formed steel.
- Develop an understanding of industry practices, standards, and code requirements.
- Gain an understanding of differences between hot-rolled and cold-formed steel design for members, connections and assemblies.

Course Objectives:

Cold-formed steel products have enjoyed significant growth in recent years. They may be utilized in various forms on commercial, industrial and residential construction projects today. Their strength, light weight, versatility, non-combustibility, and ease of production have encouraged architects, engineers, and contractors to use cold-formed steel products which can improve structural function and building performance, and provide aesthetic appeal at lower cost.

The concepts of cold-formed steel design are typically not taught in engineering schools, therefore, engineers are required to self-teach these concepts. This course will provide an understanding of the behavior and design principles of cold-formed steel members and connections. These principles will be applicable to many aspects of cold-formed steel design to included tension members, columns, beams, and bolted, and welded connections.

Learning outcomes:

- Become familiar with steel grades applicable for cold-formed steel members.
- Develop and understanding of the behavior of cold-formed steel members and connections.
- Learn the appropriate applications for cold-formed steel members and connections.
- Be able to develop more optimum designs using cold-formed steel.
- Develop an understanding of industry practices, standards, and code requirements.
- Gain an understanding of differences between hot-rolled and cold-formed steel design for members, connections and assemblies.

	Course includes	: Theoretical	l ■ Ti	utorial	☐ Labora	atory	☐ Works	hop	☐ Site Visit			
	Course Prerequia	sites:										
	Who should atte Structural engine											
	Course Reference	ces:										
	No. of Participa	nts/course: [□ 5-10	•	10-15	1 15	-20	ПO	ther:			
	Qualifications o	Qualifications of Participants:										
	No. of Lecturer:	■ 1	$\square 2$		1 3							
	No. of Assistanc	e: □1	2		1 3							
				Cours	e Faciliti	es						
■ White □ Books			Oata show Flip charts	□ PC □ S/W		☐ Manual ☐Other: -		□ Hand				
				Course	Evaluati	ion						
	en Examination gates Participation		■Written]	Report(s)	■Oral	Presentat	ion 🗖	Attenda	ance			
	Certificate Issue:	☐ Local Pren	mises	I	■ AASTM	ÍΤ	☐ Inte	ernation	nal			
				Course	Registrati	ion						
	Registration:	■AAST Adm	nission Reg	istration		On!	line	☐ Otl	ner:			
	Sponsor:	☐ Individual				☐ Fur	nded By: 8	3000 L.I	E. 1 Company			
	Fee's:	□ L.E. 600 For E	gyptian	□ \$ 200 For nor	n Egyptian	☐ Oth	ner: 2000 S	5	yptian Company			
	Documents required:	☐ Registratio	on form	■ ID/Pass	port copy	☐ Pho	oto					



Training Course Information Form

Course Name: Structural Design of Building and Industrial Facilities for Blast Loads and Accident Explosions										
Institute/Centre:			Department:	Construction & Building Engineering						
Type:	□Program	■ Course	☐ Workshop							
Course Duration:	■ 5 days	□ 3 days	□ 1 days	☐ Other:						
Course Conducted:	■ Local		☐ International							
Course Venue:	AASTMT		indicate:							
Course Language:	■ English	☐ Arabic	□ Both	☐ Other:						
		Course D	Description							
Receive a comby step calce Course Objectives: Threat of Bomb blasts a need to design these problem is accident computation, structurative topics are coverestructures to withstand Learning outcomes: Learning outcomes:	s at key governing to we chemical exal response analord together in the domb blasts at how to complete	ment, business, withstand intens plosions in pelysis and structions course. This and accidental cl	industrial and large se dynamic loads ge etrochemical and oural design for both se course will teach nemical explosions.	residential buildings have created merated by bomb blast. A similar other industrial facilities. Load these problems are similar. These how to design steel and concrete and accidental chemical						
LearnUndeDesigRecei	rstand structura on steel and con	al material behar acrete members y worked out de	subjected to bomb a	explosion loads. nort-duration dynamic loads. nd chemical explosions. teel and concrete building,						
Course includes: □T	'heoretical •	■ Tutorial	☐ Laboratory ☐	Workshop						

	None				
	Who should atte Structural engine				
	F ■ F	CHOPRA, ANIL K., " Engineering, Prentice-I PAZ, M." Structural Dy Reinhold Company, No	Hall, Englewood Cliffs ynamics: Theory and C	S, USA. Computation", 2	Applications to Earthquake aw-Hill Inc.,1967.
	No. of Participar	nts/course: □5-10	■ 10-15	□ 15-20	□Other:
	Qualifications of	f Participants:			
	No. of Lecturer:	■ 1 □ 2	□ 3		
	No. of Assistance	e: □1 □2	□ 3		
			Course Facilities	S	
■ White □ Books				I Manual IOther:	☐ Handouts
			Course Evaluatio	n	
	en Examination gates Participation		Report(s) ■Oral P	Presentation \square	Attendance
	Certificate Issue:	☐ Local Premises	■ AASTMT	Γ □ In	ternational
			Course Registratio	n	
	Registration:	■AAST Admission Re	gistration	☐ Online	☐ Other:
	Sponsor: Fee's:	☐ Individual ☐ L.E. 600 For Egyptian	□ \$ 200 For non Egyptian	☐ Funded By: ☐ Other: 2000	Egyptian Company
	Documents required:	☐ Registration form	■ ID/Passport copy	☐ Photo	

Course Prerequisites:



Training Course Information Form

Course Information

Course Name:		Environme	nt Impact Asses	sment for Pro	ojects
Institute/Centre:			Departme	Construct nt: Engineeri	ion & Building
Type:	□Program	■ Course	□ Workshop		
Course Duration:	■ 5 days	□ 3 days	□ 1 days	☐ Other:	
Course Conducted:	■ Local		☐ Internation	al :	
Course Venue:	AASTMT		malcate		
Course Language:	☐ English	☐ Arabic	■Both	☐ Other:	
		Course	Description		
Course Outlines:					
History & mApplicationCourse Objectives:	ain contents of of EIA	EIA report			
					national environmental Environmental Impact
Learning outcomes : Be aware of environing		assessment cor	acepts and importar	nce.	
Course includes: ■7	Γheoretical	■ Tutorial	□Laboratory	☐ Workshop	☐ Site Visit
Course Prerequisites Environment and Pol					
Who should attend: Engineers & Researchers Environment					

- M.L. Davis and Cornwell, "Introduction to environmental Engineering", PWS Publishers Boston, 1985.
- H.S. Peavy, D.R. Rowe and G. Tchobanoglous, "Environmental Engineering", Mc Graw-Hill Co., New York, 1987.
- Schmidtc, "Air pollution assessment and control", Wiley, 1998
- Cheremisinoff, Paul N., "Ecological issues and environmental impact assessment", Gulf Publishing Company, 1997.
- Books available at the AASTMT library

	No. of Partic	■ 1	10-15	□ 15-20	□Other:			
	Qualificatio	ns of Particip	oants:					
	No. of Lectu	ırer: ■1	2		3			
	No. of Assist	tance: □1	2		3			
				Course	Facilities			
■ White □ Books		7. Projector Handouts	■Data show □Flip charts	■PC □ S/W		Manual Other:	■Handouts	
				Course l	Evaluation	!		
	n Examinatio gates Participa		■Written	Report(s)	■ Oral Pre	esentation I	Attendance	
	Certificate Is	ssue: 🗖 Local	Premises	•	AASTMT	☐ Ir	nternational	
				Course I	Registration			
	Registration	: ■AAST	Admission Reg	gistration		☐ Online	☐ Other:	
	Sponsor:	☐ Indivi	dual			☐ Funded By	r: 8000 L.E. Egyptian Company	
	Fee's:	□ L.E. 6 F	00 For Egyptian	□ \$ 200 For non I	Egyptian	☐ Other: 200		
	Documents required:		ration form	■ ID/Passpo		☐ Photo	- ·	



Training Course Information Form

Course Name:	Environment and Pollution						
Institute/Centre:		Department:		Construction & Building Engineering			
Type:	□Program	■ Course	□ Workshop				
Course Duration:	■ 5 days	□ 3 days	□ 1 days	☐ Other:			
Course Conducted:	■ Local		☐ International				
Course Venue:	AASTMT		Indicate:				
Course Language:	☐ English	☐ Arabic	■Both	☐ Other:			
		Course De	scription				
Course Outlines:							
 Solid & hazar Noise pollution Course Objectives: The objective of this of	lop an understa	nagement cts & control elop an appreciat		of environment and eco- ution, their effects, and			
Learning outcomes: Knowledge with the rand disposal systems.	main sources of	f pollution, the w	vater quality manaş	gement and wastewater treatment			
Course includes: ■T	heoretical	Tutorial \Box	Laboratory \(\bigcup \)	Workshop			
Course Prerequisites: None							

Who should attend:

- Engineers & Architects
- Researchers
- Environment Responsibles

- M.L. Davis and Cornwell, "Introduction to environmental Engineering", PWS Publishers Boston, 1985
- H.S. Peavy, D.R. Rowe and G. Tchobanoglous, "Environmental Engineering", Mc Graw-Hill Co., New York, 1987.
- Metcalf and Eddy, Inc., "Waste water Engineering, Collection and Pumping of Waste water", Mc Graw-Hill Co., New York, 1981.
- Bradshaw V., "Building Control Systems", John Wiley, New York, 1995
- MERRITT F.S., RICKETTS J.T., "Building design & Construction Hand Book" Mc Graw Hill, Inc, New York, 1994
- Books available at the AASTMT library

	No. of Particip	oants/course: □5-10	•	1 10-15	□ 15-20	□Other:
	Qualifications	of Participants:				
	No. of Lecture	er: ■1 □2		3 3		
	No. of Assistan	nce: □1 □2		3 3		
			Cours	e Facilities		
■White I Books		Projector Data sh ndouts Flip ch			Manual Other:	■Handouts
			Course	e Evaluation	ı	
	en Examination gates Participation		ten Report(s)	■ Oral Pr	resentation	■Attendance
	Certificate Issue	e: □ Local Premises	I	■AASTMT		nternational
			Course	Registration	\imath	
	Registration:	■AAST Admission	Registration		☐ Online	☐ Other:
	Sponsor:	☐ Individual			☐ Funded B	y: 8000 L.E. Egyptian Company
	Fee's:	☐ L.E. 600 For Egyptia	□ \$ 200 n For nor	n Egyptian	☐ Other: 200	
	Documents required:	☐ Registration form			☐ Photo	



Training Course Information Form

Course Name:		Port d	levelopment and l	Planning
Institute/Centre:			Department:	Construction & Building Engineering
Type:	□Program	■ Course	□ Workshop	
Course Duration:	■ 5 days	□ 3 days	□ 1 days	☐ Other:
Course Conducted:	■ Local		☐ International	
Course Venue:	AASTMT		Indicate:	
Course Language:	■ English	☐ Arabic	☐ Both	☐ Other:
		Course 1	Description	
 Turning basi Dock structure Berths Quay Fender syste On shore material Dredging and Guidelines for Ports mitigate Beach nouris 	channels and Pons ares (Quays, Jetwalls ms rine terminals f d reclamation or ports developion measures a shment oastal Zone Ma	ties and Dolphi	lans	
Ensure a soliOffer an outsand practic	standing opport cal application of valuable oppor	unity to gain de of port developn tunity to develo	nent and planning p and update existing	both the contractual framework
Course includes: □	Theoretical	■ Tutorial	☐ Laboratory ☐	Workshop ☐ Site Visit
This form should be co	mpleted by the a	ccountable who c	conduct courses inside	or outside A.R.E

Course Prerequisites:

None

Who should attend:

- Coastal and marine structures companies.
- Oil and Liquefied Natural Gas (L.N.G) companies.
- Maritime Military.

Course References:

- J.W. Kamphuis, "Introduction to Coastal Engineering and Management", World Scientific Publishing Co., NJ, USA, 2001.
- "Coastal Defense-ICE design and practice guide", A. Brampton, Thomas-Telford, London, 2002.
- Hydraulics in Civil and Environmental Engineering", A. Chadwick and A.J. Morfett, Spon Press, London, New York, 2002.
- "Coastal Engineering-processes, theory and design practice", D. Reeve, A. Chadwick and C. Fleming, Spon Press, London and New York, 2004.
- "Port Engineering", Per Bruun, Gulf Publishing Co., Houston, USA, 1981.
- "Construction Risk in Coastal Engineering", ed. J. Simm and I. Cruickshank, Thomas Telford, U.K., 1998.
- "Coastal Engineering Manual (US Army): http://chl. erdc. usace. Army. Mil/, formerly: "Shore Protection Manual", U.S. Army Corps of Engineering, Coastal Engineering Research Center, Vicksburg, USA, 1984.
- "Oceanographical Engineering", R.L. Wiegel, Prentice-Hall, Inc., Englewood Cliffs, New Jersey, USA, 1964.

	No. of Participa	■10-15	1 5	5-20	□Other:			
	Qualifications of	of Particip	oants:					
	No. of Lecturer	: ■1	2	3				
	No. of Assistance	e: □1	$\square 2$	3				
				Course Facili	ities			
■ White ■ Books		ojector douts	■Data show □Flip charts	□ PC □ S/W	☐ Manua ☐Other: -		☐ Handouts	
				Course Evalue	ation			
	en Examination gates Participation	1	☐ Written l	Report(s) ■ Or	al Presenta	tion 🗖	Attendance	
	Certificate Issue:	Local	Premises	■ AAST	MT	☐ In	aternational	
				Course Registro	ation			
	Registration:	■AAST	Admission Reg	istration	☐ Or	nline	☐ Other:	
	Sponsor:	☐ Indivi	dual		☐ Fu	☐ Funded By: 8000 L.E.		
	Fee's:	□ L.E. 6	600 For Egyptian	□ \$ 200 For non Egyptian		her: 2000	Egyptian Company) \$ Non Egyptian Company	
	Documents			■ ID/Passport copy		oto		



Training Course Information Form

Course Name: Design of Port Structures								
Institute/Centre:			Departmen	Construction	on & Building			
Type: Program		■ Course	□ Workshop					
Course Duration:	■ 5 days	□ 3 days	□ 1 days	☐ Other:				
Course Conducted:	■ Local		☐ Internationa Indicate:					
Course Venue:	AASTMT							
Course Language:	■ English	☐ Arabic	☐ Both	☐ Other: -				
		Course	Description					
Course Outlines:								
detached b Breakwater f Breakwater c Dock structu Design of gra Design of she Fender system Dredging and	definition and reakwater and a failures types. design methods res (Quays, Jeavity quay wall eet pile wall.	floating break tties and Dolp . ers, rubber fen	water). hins) ders and foam filled		vater, reef breakwate			
Course Objectives:								
and practicEnsure a soliPresent an in Learning outcomes:	al application of d foundation in valuable oppor	of the design of these keys as tunity to deve	of port structures. pect of design of port lop and update existing	t structures. ng knowledge				
Complete knowledge	about port stru	icture design a	and updating existing	understanding	g S			
Course includes:	Theoretical	■ Tutorial	☐ Laboratory	☐ Workshop	☐ Site Visit			

Course Prerequisites:

None

Who should attend:

- Coastal and marine structures companies.
- Oil and Liquefied Natural Gas (L.N.G) companies.
- Maritime Military.

- J.W. Kamphuis, "Introduction to Coastal Engineering and Management", World Scientific Publishing Co., NJ, USA, 2001.
- "Coastal Defense-ICE design and practice guide", A. Brampton, Thomas-Telford, London, 2002.
- Hydraulics in Civil and Environmental Engineering", A. Chadwick and A.J. Morfett, Spon Press, London, New York, 2002.
- "Coastal Engineering-processes, theory and design practice", D. Reeve, A. Chadwick and C. Fleming, Spon Press, London and New York, 2004.
- "Port Engineering", Per Bruun, Gulf Publishing Co., Houston, USA, 1981.
- "Construction Risk in Coastal Engineering", ed. J. Simm and I. Cruickshank, Thomas Telford, U.K., 1998.
- "Coastal Engineering Manual (US Army): http://chl. erdc. usace. Army. Mil/, formerly: "Shore Protection Manual", U.S. Army Corps of Engineering, Coastal Engineering Research Center, Vicksburg, USA, 1984.
- "Oceanographical Engineering", R.L. Wiegel, Prentice-Hall, Inc., Englewood Cliffs, New Jersey, USA, 1964.

No. of Participants/course: □5-10			■ 10-15	□ 15-20	□Other:
Qualifications	of Participant	ts:			
No. of Lecture	er: = 1	2	3		
No. of Assistar	nce: □1	2	3		
			Course Facili	ties	
	3	Data show IFlip charts	□ PC □ S/W	☐ Manual ☐Other:	☐ Handouts
			Course Evalua	ition	
itten Examination legates Participation	on	☐ Written I	Report(s) ■ Ora	al Presentation [
	on		Report(s) ■ Ora	al Presentation MT I	☐ Attendance International
legates Participation	on		Report(s) ■ Ora	al Presentation MT I	
legates Participation	on	emises	Report(s)	al Presentation MT I	
legates Participation Certificate Issu	on e: 🗖 Local Pre	emises mission Regi	Report(s)	al Presentation MT ution	International Other:y: 8000 L.E.
Certificate Issu Registration:	e: □ Local Pre ■AAST Adr □ Individual □ L.E. 600	emises mission Regi	Report(s)	MT	International ☐ Other:y: 8000 L.E. Egyptian Company



Training Course Information Form

Course Information **Integrated Coastal Zone Management Course Name:** Construction & Building **Institute/Centre: Department:** Engineering Type: □Program ■ Course ■ Workshop **Course Duration:** ☐ Other: -----■ 5 days □ 3 days □ 1 days **Course Conducted:** ■ Local ☐ International Indicate: -**Course Venue: AASTMT Course Language:** □ Both ■ English ☐ Arabic ☐ Other: -----Course Description

Course Outlines:

- An introduction to coastal zones.
- Coastal processes.
- Integrated Coastal Zone Management (ICZM); definitions, objectives, urgencies and benefits.
- Approach of ICZM; integration and arrangements.
- Practice of ICZM; stages, initiation, planning, implementation, monitoring and evaluation.
- Methods, tools and techniques of ICZM
 - o Classes of useful methods, tools and techniques
 - o Environmental Impact assessment (EIA) techniques
 - Policy tools
- General overview of ICZM.
- Case of study

Course Objectives:

- Offer an outstanding opportunity to gain detailed knowledge of concept of the Integrated Coastal Zone Management.
- Ensure a solid foundation in these keys aspect of Integrated Coastal Zone Management.
- Present an invaluable opportunity to develop and update existing knowledge

I	_earning	out	tco	me	s:

Complete knowledge of integrated coastal zone management

Course includes: ☐ Theoretical ☐ Tutorial ☐ Laboratory ☐ Workshop ☐ Site Visit

	Course Prerequia None	sites:					
	 Oil and I 	end: and marine str Liquefied Natu e Military.		_	anies.		
	Course Reference	ces:					
	No. of Participa	nts/course: [⊒ 5-10	= 10)-15	□ 15-20	□Other:
	Qualifications of	f Participants	s:				
	No. of Lecturer:	■ 1	$\square 2$	3			
	No. of Assistanc	e: □1	2	3			
				Course 1	⁷ acilitie	S	
■ White □ Books			Data show Flip charts	□ PC □ S/W		Manual Other:	Handouts
				Course E	valuatio	on	
	en Examination gates Participation		Written F	Report(s)	■ Oral F	Presentation	Attendance
	Certificate Issue:	☐ Local Pren	nises		AASTM	Γ 🗖 Iı	nternational
				Course Re	gistratio	on	
	Registration:	■AAST Adm	ission Regi	stration		Online	☐ Other:
	Sponsor:	☐ Individual				☐ Funded By	8000 L.E. Egyptian Company
	Fee's:	□ L.E. 600 For E	gyptian	□ \$ 200 For non Eg	vntian	☐ Other: 2000	
	Documents required:	☐ Registratio		■ ID/Passpor		☐ Photo	25, puin company



Training Course Information Form

Course Name:	Traffic Engineering							
Institute/Centre:				Constructio Engineering	n & Building			
Type:	□Program	■ Course	□ Workshop					
Course Duration:	■ 5 days	□ 3 days	☐ 1 days	Other:				
Course Conducted:	■ Local		☐ International	al 				
Course Venue:	AASTMT		mulcate.					
Course Language:	■ English	☐ Arabic	☐ Both	☐ Other:				
		Course	Description					
Course Outlines:								
 Important def 	fic engineering		ngineering					
Learning outcomes: Understanding traffic	engineering pr	inciples						
Course includes: □T	Theoretical	■ Tutorial	☐ Laboratory	☐ Workshop	☐ Site Visit			
Course Prerequisites: None								
	r in traffic Divi							

- C.H.Oglesby and R.G.Hicks "Highway Engineering", John Wiley & Sons, NY.
- F.S.Merrit, "Standard Handbook for Civil Engineers", McGraw Hill book NY.
- M.Y.Shahin, "Pavement Management for Airports, Roadsand Parking lots", Chapman & Hall, New York 1994.
- Ministry of Urban Planning "Egyptian Code for Highway " 1998.
- Institute of transportation Engineers, "Transportation and traffic Engineering Handbook"
 Prentice Hall Londan ", 1982.
- R.Baker, van Nostrand Reinforced Co." Handbook of Highway Engineering ",New York,1975.
- R.Horonejeff, "The Planning and Design of Airports ",McGraw-Hill Co.Inc.1976.
- F.S.Merritt, "Standard Handbook for Civil Engineers", McGraw Hill book NY, 1983.
- M.Y.Shahin, "Pavement Management for Airports, Roadsand Parking Lots", Chapman & Hall, New York 1994.
- Ministry of Urban Planning "Egyptian Code for Highways" 1998.

	No. of Participa	nts/course: 🗆:	5-10	■ 10-15	□ 15-20	□Other:
	Qualifications o	f Participants:				
	No. of Lecturer	= 1	1 2	3		
	No. of Assistance	e: □1	1 2	3		
			(Course Facili	ties	
■White □ Books				PC S/W	☐ Manual ☐Other:	☐ Handouts
			C	ourse Evalua	tion	
	en Examination gates Participation		Written Repo	ort(s) ■ Ora	l Presentation	■Attendance
	Certificate Issue:	☐ Local Premi	ses	■ AASTI	MT 🗖	International
			C	ourse Registra	tion	
	Registration:	■AAST Admis	sion Registrat	tion	Online	☐ Other:
	Sponsor:	☐ Individual			☐ Funded B	y: 8000 L.E. Egyptian Company
	Fee's:	L.E. 600 For Egy	□\$ ptian F	200 For non Egyptian	☐ Other: 200	
	Documents required:	☐ Registration	_	D/Passport copy	☐ Photo	



Training Course Information Form

Course Information

Course Name:	me: GIS for Construction Engineering								
Institute/Centre:			Department	Construction Engineerin	on & Building				
Type:	□Program	■ Course	□ Workshop						
Course Duration:	■ 5 days	□ 3 days	□ 1 days	☐ Other: -					
Course Conducted:	■ Local		☐ Internationa						
Course Venue:	AASTMT		Indicate: -						
Course Language:	■ English	☐ Arabic	☐ Both	☐ Other: -					
		Course I	Description						
Course Outlines:									
 Application of Course Objectives: Understanding GIS How to apply it in contraction of Course Objectives: 	onstruction en		construction engine	eering.					
Ability of applying the	he GIS techno	ology in construct	ion engineering						
Course includes:	Theoretical	☐ Tutorial	■ Laboratory	☐ Workshop	☐ Site Visit				
Course Prerequisites None	:								
Who should attend: Design civil									

Civil and Construction Engineering Department students

- Star, J. and Estes, J. (1990) Geographic information systems: An introduction. Printice-Hall, Englewood Cliffs, N.J.
- DeMers M. N. (1997) Fundamentals of Geographic information systems. John Wiley & Sons, New York.
- Thill J.C. (ed.) (2000) Geographic Information Systems in Transportation Research. Oxford, UK: Elsevier Science Ltd.
- Miller H.J. and Shaw S.L. (2001) Geographic Information Systems for Transportation: Principles and Applications. New York: Oxford University Press.
- Lo C.P. and Yeung A.K.W. (2002) Concepts and Techniques of Geographic Information Systems. Upper Saddle River, NJ: Prentice Hall.

	No. of Partic	■ 10-1	15	□ 15-20	□Other:			
	Qualification	ns of Particip	ants:					
	No. of Lecturer: ■1			3				
	No. of Assist	tance: □1	1 2	3				
				Course Fa	icilities			
■White I		V. Projector Handouts	■Data show □Flip charts	■PC □ S/W	□ Ma □Oth		☐ Handouts	
				Course Eva	luation			
	en Examinatio gates Participa		■Written	Report(s)	Oral Prese	entation	■Attendance	
	Certificate Is	sue: 🗆 Local 1	Premises	■ AA	ASTMT		International	
				Course Reg	istration			
	Registration	: ■AAST	Admission Reg	istration		Online	☐ Other:	
	Sponsor:	☐ Individ	lual			☐ Funded By: 8000 L.E. Egyptian Company		
	Fee's:	□ L.E. 60 F	00 or Egyptian	□ \$ 200 For non Egy		Other: 200		
	Documents required:	☐ Registr	ration form	■ ID/Passport o	сору 🗆	l Photo		



Training Course Information Form

Course Name: Surveying and Practical Use of Total Station									
Institute/Centre:			Department	Construction	on & Building				
Type:	□Program	■ Course	■ Workshop						
Course Duration:	■ 5 days	□ 3 days	□ 1 days	☐ Other:					
Course Conducted:	■ Local		☐ Internationa	l 					
Course Venue:	AASTMT		malcate.						
Course Language:	■ English	☐ Arabic	☐ Both	☐ Other:					
Course Description									
		2007502							
Course Outlines:									
 Description of total station Basic application of total station Civil application of total station 									
Course Objectives:									
How to be familiar with instrument of total station									
Application of total station for construction engineering									
Learning outcomes: Ability of using and applying the total station instrument in construction engineering									
Course includes:	Γheoretical	☐ Tutorial	■ Laboratory	☐ Workshop	☐ Site Visit				
Course Prerequisites None	:								
 Who should attend: How to be familiar with instrument of total station Application of total station for construction engineering 									

	 Course References: William Irvine , FRICS ; "Surveying for Construction" ; McGraw-Hill , London , 1974 Bannister & S. Raymond ; "Surveying" ; Pitman ; London , 1993 										
	No. of Participants/course: □5-10				5	□ 15-20	□Other:				
Qualifications of Participants:											
	No. of Lecturer: ■1 □2		3								
	No. of Assistance	e: □1	$\square 2$	3							
	Course Facilities										
■ White □ Books			■Data show □Flip charts	□ PC □ S/W		Manual Other:	☐ Handouts				
Course Evaluation											
☐ Written Examination											
Certificate Issue: ☐ Local Premises ☐ AASTMT ☐ International											
	Course Registration										
	Registration: ■AAST Admission Registration			istration		☐ Online	☐ Other:				
	Sponsor:				☐ Funded By: 8000 L.E. Egyptian Company						
	Fee's:		Egyptian	□ \$ 200 For non Egyptian		☐ Other: 2000					
	Documents required:	☐ Registrat	tion form	■ ID/Passport co	ру	☐ Photo					