



مركز المستشار الوطني للتدريب  
National Consultant Centre For Training

## NCC In-House Training Courses In

### Civil & Construction Engineering

1. A Technical Introduction to Sewage Treatment
2. ACI Code Requirements & Specifications for Concrete Design, Construction & Repair
3. Advance in Sewage and Sludge Treatment Process
4. Advanced Analysis of STAAD Pro 2007
5. Advanced Concrete Technology
6. Advanced Construction Management and Site Operation
7. Advanced Facilities Engineering and Construction
8. Advanced Facility Management
9. Advanced GIS Project Management
10. Advanced GPS Control Network Survey and QC
11. Advanced in Steel Work Design and Inspection
12. Advanced Insulation and Refractory Materials and Work Execution
13. Advanced Materials for Construction and Repair of Concrete
14. Advanced Project and Construction Management
15. Advanced Techniques in Structural Engineering
16. Advanced Traffic Engineering
17. ARC GIS I& II: Introduction to GIS And Essential Work Flow
18. Asphalt Technology for Civil Engineers & Civil Eng. Contractors
19. Assessment of Defects in Concrete Structures and Evaluation of Safety of Concrete Infrastructure
20. AutoCAD Civil 3D: Land Development
21. Best Practice in Sewage & Effluent Treatment Technology: Process, Theory, Maintenance Operation and Troubleshooting
22. Best Practice Property Management
23. Biological Control of Sewage Treatment Process
24. Blast Resistance Buildings for Oil and Gas Field
25. Bridge Assessment & Maintenance & Repair
26. Bridge Design to BS5400-Steel & Concrete
27. Building & Facilities Maintenance Management
28. Building Envelopes & Finishes, Landscaping & Roofing System
29. Building Finishes and Rehabilitation Works
30. Building Operational Excellence in The Process Industry
31. Building Preventive Maintenance
32. Cement Standard Testing Specifications & Methods
33. Cladding of Buildings
34. Claims & Arbitration in Construction Projects
35. Coating Applicator Course for Civil and Structural Engineers
36. Computerized Maintenance Management Systems (CMMS) and Spares



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37. Concrete Bridge Design - BS 5400 and the transition to Euro Codes - Introduction
38. Concrete Bridges Design & Construction
39. Concrete Construction Special Inspector
40. Concrete Mix Design
41. Concrete Production & Categories
42. Concrete Structural Design for Industrial Projects (Tanks, Buildings, Retaining Walls, Pits, Ponds E
43. Concrete Technology - introductory course in concrete properties and materials
44. Concrete Technology and Construction for Engineers
45. Concrete Technology, Design & Standards
46. Construction & Maintenance of Asphalt & Gravel Roads
47. Construction & Protection of Berths & Offshore Platforms
48. Construction and Building Envelope Inspection Including Testing, Techniques and Practices
49. Construction Life Cycle & Risk Management
50. Construction Management – Procedures and Implementation
51. Construction Project Management
52. Construction Quality Control & Quality Assurance
53. Construction Supervision Skills
54. Constructions Contracts Variation Order & Claims
55. Corrosion & Concrete Protection
56. Costal Harbor Engineering
57. Damage Assessment and Rehabilitation of Concrete Structures
58. Design & Construction of Port and Waterfront
59. Design & Operation of Drinking Water Network
60. Design of Concrete & Structure Steel Design
61. Design of Distribution Water Mains and Extensions
62. Design, Construction & Maintenance of Highway Drainage Systems
63. Design, Inspection, Repair and Maintenance Concrete Structure in Petrochemical Plants.
64. Designing and Analyzing Water Networks Using Computer Applications
65. Designing High Performance Concrete Structures
66. Designing, Specifying and Constructing with Modern Concrete
67. Detailed Engineering Drawings, Codes & Standards
68. Deterioration and Protection of Reinforced Concrete
69. Disputes, Claims and Negotiation Skills for Construction Engineers
70. Drinking Water Distribution System
71. Drinking Water Systems Design, Operation, Quality and Maintenance
72. Durability of Reinforced Concrete Structures: Assessment & Repair
73. Dynamic Analysis for RC Structures Under Dynamic Loading in Petroleum Industry.
74. Introduction to Engineering & Construction Contract
75. Advanced Engineering and Construction Contract
76. Engineering Materials for Buildings and Bridges
77. Facility Management
78. Flexible Pavements - Maintenance Options for Wearing Surfaces
79. FRP-Strengthened Steel Structures



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80. Fundamentals of Construction Materials Inspection & Acceptance
81. Geodatabase Design Concepts
82. Geodatabases Using CASE Tools
83. Geographical & Mapping Information Management System: Theory and Practice Software Training
84. Geographical Information System in Urban Planning & Land Administration
85. Geometric Design of Highways
86. Geometric Design of Urban and Rural Roads
87. Geotechnical Engineering and Design Of Foundations
88. GIS Applications on Infrastructure Planning and Management
89. GPS General Training and Software Applications
90. Green Building and Whole Building Commissioning Tools
91. Green Building Design and Construction Techniques and Implementation
92. Groundwater- Investigation and Testing
93. Groundwater- Measurement and Monitoring
94. Groundwater Quality Pollution & Monitoring
95. Highway Drainage - An Overview
96. Highway Maintenance
97. Industrial Building Design (Control Room, Substations, Warehouse, Offices)
98. Industrial Building Design: Blast Resistance and Resilient for Oil and Gas Field
99. Industrial Refractory's Technology
100. Infrastructure, Waterfront Structures, Coastal Protection and Bridges
101. Inspection, Assessment and Repair of Concrete Structure
102. Interpretation and Enforcement of Construction Contracts for Industrial Plants
103. Interpreting Soil Test Results
104. Introduction to Construction Materials
105. Knowledge of Materials, Composite Materials & Testing Equipment
106. Laboratory soil tests
107. Leaking Monitoring and Detection
108. Location of Underground Apparatus and tracing of Mains
109. Maintenance & Renovation of Buildings
110. Maintenance of Sewer Network and Equipment
111. Maintenance of Sewer Network and Equipment
112. Managing Asbestos in Buildings and Auditing its Removal
113. Materials of Construction for Oil & Gas Industries (Specifications, Standards)
114. Maximizing Energy Efficiency in Buildings
115. Measurement & Valuation of Civil Engineering Works
116. Measurement and Valuation of Construction Contracts
117. Meeting Water Consumers Customers Services Standards
118. Offshore Structure Platform Design
119. Onshore Civil Engineering & Operations
120. Pavement Design and Construction
121. Pavement Design of Roads
122. Planning Construction Equipment and Methods for Reducing Cost of High-Rise Buildings



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123. Polymeric Composite Materials
124. Principles & Practice of Reinforced Concrete Design
125. Project Cost Estimation
126. Project Planning & Management
127. Quality Control and Assurance for Concrete and Steel Structure Projects
128. Quality for Project Engineer
129. Refractory Design, Installation, Inspection, & Repair
130. Reinforced Concrete Design & Construction
131. Reinforced Concrete for Hot Climate Regions
132. Reliability of Urban Heritage and Historical Areas
133. Remote Sensing Principles & Applications
134. Resolving Contract Disputes and Avoiding Construction Claims
135. Risk and Construction Management, New Engineering Contracts Techniques, and Knowledge Based Structure
136. Risk Based Inspection and Maintenance for Reinforced Concrete Structure.
137. Risk Management in Construction Projects
138. Road Construction Materials and Construction Technologies
139. Road Construction Work Specifications & Materials
140. Road Maintenance
141. Road Pavement & Maintenance
142. Road Safety
143. Sanitary water Networks Design & Maintenance
144. Setting Strategy for Building Maintenance and Facilities Maintenance
145. Sewer Mapping - site survey procedures
146. Sewer pipelines Specification & construction
147. Sewerage Maintenance
148. Sewerage Rehabilitation Forward Planning
149. Sewerage- Repairs and Modifications
150. Sewerage Systems Rehabilitation & Maintenance
151. Site Management, Documentation & Contract Close-Out
152. Site Supervision of Civil Engineering Contracts
153. Sloping, Benching, Embankments and Bundwalls
154. Sludge Treatment and Disposal Management
155. Smart Buildings Design
156. Soil & Aggregates Testing
157. Soil Investigations and Improvement
158. Soils, Trenching, Excavations and Piling
159. Storm Water Management and Road Maintenance
160. Structural Analysis and Design for Concrete Buildings
161. Structural Condition Assessment of Existing Structures.
162. Structural Design for Non-Structural Engineers
163. Structural Reliability Analysis and Design in Civil Engineering
164. Structural Renovation of Buildings
165. Structural Steel Design (Pipe Rack, Shelters, Pipe Supports, Platforms, Ladders Etc.
166. Superpave Asphalt Mix and Testing



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167. Sustainable Environmental Planning & Management
168. Techniques for Pavement Rehabilitation
169. Terms & Conditions of FIDIC Contracts
170. Terms & Conditions of the Tenders
171. The Complete Program on Construction Management, Creative Problem Solving and Decision Making
172. Total Building Commissioning Process
173. Traffic Data Collection and Analysis
174. Transportation Planning & Applications
175. Urban Regeneration of Inner Cities
176. Urban Transportation Planning Techniques
177. Utility & Infrastructure Maintenance, Rehabilitation & Renovation for Civil Engineers
178. Value Engineering (VE) Workshop
179. Value Engineering-Value Analysis
180. Water Network Installation & Commissioning
181. Water Pipeline Design
182. Water Pipeline Hydraulics
183. Water Pipelines Leak Detection Techniques
184. Water Supply Function – an introduction to process science and operational practices
185. Working with Arc GIS Spatial Analyst