

Objectives and Course Content of Short Term Courses

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| Operational Plan No. | CE-12 |
| Name of the Course | Structural Health Monitoring |
| Objectives of Course | <ul style="list-style-type: none"> • The course aims at exposing the participants to the techniques for investigations, repair and rehabilitation of structures and will enable them to: • Carryout monitoring of structures • Diagnose the causes of various types of defects. • Select appropriate non-destructive and other techniques for investigation. • Suggest techniques for repair, rehabilitation and strengthening of structures. |
| Course Content | <ul style="list-style-type: none"> • The course will cover topics like - • Causes of deterioration of structures. • Design and economic considerations in repairs and rehabilitation • Diagnosis of defects by NDT methods. • Remedial measures for defects due to dampness, corrosion etc. in foundation, finishes and building services and RCC elements and repair overhead tanks etc. • Repair materials and their evaluation for repairs • Strengthening techniques of RCC structures. • Anchoring Technology for Strengthening. |
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