

<b>S. No.</b>	<b>11</b>
<b>PROGRAM</b>	<b>Rehabilitation &amp; Strengthening of Structures</b>
<b>CATEGORY</b>	<b>Struct Assess &amp; Rehab</b>
<b>DURATION</b>	<b>2 Days</b>

**OBJECTIVE**

Structures are designed envisaging a service life of 50-100 years as per the codes of practice. However, due to various reasons, many of them deteriorate, sometimes prematurely, thereby reducing their service life. Such structures are required to be repaired, rehabilitated, strengthened or retrofitted.

Over the years, there have been vast improvements in the techniques of structural assessment and rehabilitation/ strengthening. The right technique for a case at hand and its methodology should, however be selected only after carefully considering the pros and cons of various techniques.

*The Program is designed to guide participants to carry out Condition Assessment, Rehabilitation & Strengthening of Structures. It will offer practical insight through case studies and active interaction with experts from industry and academia.*

**PROGRAM CONTENT**

Technical sessions in the Program shall cover the following aspects:

- ❖ Structural Deterioration: Types, Causes, Effects
- ❖ Structural Assessment & Structural Audit
- ❖ Structural Assessment & NDT
- ❖ Structural Repair & Rehabilitation
- ❖ Conservation of Heritage Structures
- ❖ Rehabilitation of Bridges & Other Structures
- ❖ Retrofitting of Structures
- ❖ Open Forum: Experiences & Viewpoints

**BENEFITS**

- ❖ **Why and how structures deteriorate**
- ❖ **Methods of structural assessment**
- ❖ **Methods of Structural Repair & Rehabilitation**
- ❖ **Methods of structural strengthening & retrofitting**
- ❖ **Practical insight through case studies**