

Lecture 3.22: Importance of NDT.

Concrete Technology (DI04006011)

Civil Engineering Department

Lecture Agenda

- 1. Importance of NDT.
- 2. Summary and Q&A

3.6 Importance of NDT.

- Non-Destructive Testing (NDT) assesses concrete properties without causing structural damage.
- Importance: Useful for existing structures, evaluating post-fire or post-earthquake damage.
- Quality Assurance: Used to verify uniformity and locate internal voids or honeycombing.
- No single NDT method provides a direct measure of strength; they provide empirical correlations.
- Often combined with partially destructive tests (like core extraction) for reliable strength assessment.

Summary

- Recap of the specific material properties and methods discussed.
- Always refer back to the standard IS codes for parameter limits.