NON-DESTRUCTIVE TESTING OF CONCRETE

(Based on Euro Code EN13791,6089 and EN 206 Requirements)

Certificate Course In

"NON-DESTRUCTIVE TESTING OF CONCRETE"

DATE:

Refer to Schedule

TIME:

Refer to Schedule

COURSE FEE:

- S$160/-For self-Sponsored
- S$200/-For Company sponsored

ACCREDITATIONS:

6 PDU / 6 CET / 6 STU (Structural)

CONTACT

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INTRODUCTION

Non-Destructive Testing is very critical and is the first activity to commence when Quality Control of new construction in doubt; Troubleshooting of problems with new construction/pre-cast products is needed; Condition evaluation of older concrete for rehabilitation purposes and Quality assurance of concrete repairs is needed. NDT can used to detect several defects that includes location of cracking, degree of consolidation, and presence of voids and honeycomb; Steel reinforcement location and size; Corrosion activity of reinforcement; and Extent of damage from freezing/thawing, fire, chemical exposures.

COURSE COVERAGE

- To provide principles of various NDT methods being used in practice
- Special emphasis on NDT methods applied
- to measure physical properties such as in-situ strength of concrete in structures,
- to detect flaws or discontinuities, and
- to corrosion & durability
- Typical data analysis for condition evaluation. Provide guidelines / Requirements
- To summarize NDT method applications and limitations

TARGET AUDIENCE

- Professional Engineers (PE)/ Resident Engineers (RE)/ Resident Technical Officers (RTO) / Design Engineers
- Project Managers / Site Engineers and Supervisors
- Other Construction Professionals

TRAINER

The trainer is **Dr Sarathi** Concrete ***Expert*** involved in various consultancy, collaboration and R&D projects locally and internationally in the area of concrete new product developments and testing. He has published and presented numerous research papers in many National/International Journals and conferences. He has enormous experience in building, civil and infrastructure (MRT) projects in terms of concrete quality control, good in-situ construction practices/methods, assessment of in-situ strength, Non-destructive testing (NDT) and provides consultancy/appropriate solutions to construction industry relevant to quality/constructional issues. His training approach is very practical with combinations of relevant theory and case studies. He has extensively involved in Training to the Industrial and Institutional level and delivered Training/Guest Lectures.