



## DURABILITY MONITORING OF CONCRETE CONSTRUCTIONS AND SUPERVISION - Virtual Training 1<sup>st</sup> Run

### Date

26 Mar 2022 (Saturday)

### Course Duration

6 Hrs

### Timings

8:30AM to 3:45PM

### CPD

TBC

### CET

Applicable

### Course Fee

S\$160/- per person

### Contact

Mr. Praveen

<https://wa.me/97583097>

[praveen@cutechgroup.com](mailto:praveen@cutechgroup.com)

### Organiser

Cutech Quality Solutions Pte Ltd



### Online Registration

[training.cutechgroup.com](http://training.cutechgroup.com)

### About the Course

Prefabricated Pre-finished Volumetric Construction (PPVC – steel, concrete and hybrid) is a construction technology that along with the implementation of Building Information Model (BIM) has seen many successful project adoption and implementation of such DfMA.

PPVC ensures higher productivity and qualitative benefits like increase in precision and related quality; safer working environment; reduction in noise, dust and wastage thereby providing a cleaner and environmentally friendly site. This also helps to reduce inconvenience and disturbance to neighbouring areas.

This course, through real-life case studies of local projects which successfully adopted PPVC, will provide participants a clear understanding and appreciation of the concepts of PPVC and the issues faced in the local context. With the knowledge learnt, the participants will be able to apply them in their development project planning, design, construction, production and supervision.

### Who is this Training Course for?

This training course is suitable to a wide range of professionals interested in precast concrete design and construction, such as:

- ▷ Civil Engineers, Design Structural Engineers
- ▷ Supervision Engineer, Planners, Steel Fabricator, Construction Engineers, Site Engineers
- ▷ RE / RTO / PE

### How will this Training Course be Presented?

A variety of proven adult learning techniques will ensure maximum understanding and retention information presented. One can expect a highly interactive and participation filled presentation with visual aids such as videos and real-case photos.

### Topics to be covered

- Introduction of ground rules
- Introduction to DMCC importance, factors affecting durability and mechanisms
- Understanding specifications on Design for Durability (DfD) of concrete constructions
- Supervision on assessment of defect in concrete and reinforcement condition in concrete for routine maintenance/durability
- Supervision on maintenance of concrete and remediation of reinforcement/corrosion for durability of structures
- Course Evaluation

### Instructor Profile

#### Dr. Saradhi

Member of Institution of Engineers, Singapore (IES),  
Member of American Concrete Institute (Singapore Chapter) and Singapore Concrete Institute.  
Doctor of Philosophy from the Department of Civil Engineering,  
Secured American Concrete Institute (Singapore Chapter)  
Best Student Paper Award, Canada.