

## BILDIN 2023

23 May '23

A ONE DAY SEMINAR ON

# 3D CONCRETE PRINTING

“AN EMERGING **TECHNOLOGY** TOWARDS **YOUNG MINDS**”



**Dr. Manu Santhanam**  
Professor, Civil  
Dean, ICSR  
IIT Madras

**Dr. Benny Raphael**  
Professor & Head, Civil  
IIT Madras



**Dr. Ambily P S**  
Principal Scientist  
Head, AML  
CSIR-SERC

**Dr. Najeeb Shariff**  
Asst. Professor, Civil  
IIT Bombay



**Mr. Somaraju**  
JGM & Head, EDRC  
L&T

**Mr. Dhandapani M**  
Sr. Engg. Manager  
L&T



**Mr. Parivarthan Reddy**  
CTO, Tvasta

### Tentative Program Schedule

08:30 – 09:20	Registration
09:20 – 10:10	Inaugural Session
10:15 – 11:00	“Materials and Mix Consistency in 3D Concrete Printing” - Dr. Manu Santhanam, IITM
11:00 – 11:15	Break
11:15 – 12:00	“Test on 3D Printing Concrete Mix” - Dr. Ambily P S, CSIR-SERC
12:00 – 12:45	“3D Printing Applications in Construction Sector” - Mr. Parivarthan Reddy, Tvasta
12:45 – 01:30	Lunch
01:30 – 02:15	“Structural Design and Evaluation of 3D Printed Concrete Elements” - Dr. Najeeb Shariff, IITB
02:15 – 03:00	“Challenges in 3DCP Construction with Case Studies” - Mr. Somaraju, L&T
03:00 – 03:20	Break
03:20 – 04:30	Panel Discussion - “The Way Forward and Challenges” - Dr. Benny Raphael, Dr. Ambily P S, Dr. Najeeb Shariff & Mr. Dhandapani

PUMPA**B**ILITY

EXTRUDAB**I**LITY

PRINTAB**L**ITY

BUILD**A**BILITY

QUAL**I**TY

OPEN**N** TIME

“ Strength  
is  
based  
on  
Bonding”

### ABOUT THE SEMINAR

**3D Concrete Printing** is a digital construction technique that has many advantages over conventional construction such as reduced construction time, less manpower and zero waste. Lot of research is happening globally on developing 3D printing technologies. This one day seminar aims to give a brief idea about the current research on 3D concrete printing.

#### Who can participate ?

Under graduates  
Post graduates  
PhD scholars  
Faculty Members  
Practicing Engineers  
Architects

#### Scan here to register



#### Coordinator

**Dr. K P Jaya**

Professor and Head

#### Co-Coordinators

**Dr. R Vidjeapriya**

Associate Professor

**Dr. V Ponmalar**

Associate Professor

Lunch and Certificate will be provided

#### Registration Fees :

Students - Rs.500  
Others - Rs.1000

#### Registration Link :

<https://forms.gle/JvnADSTPLX8yt6Zj7>

#### Student Coordinators

Suhaachine K  
9442364202

Arunkumar S  
7092937145

Jayashree K V  
7604935319

Date :  
23 May 2023

Venue :  
TAG Auditorium, CEG