



B.S. Abdur Rahman <sup>TM</sup>

# Crescent

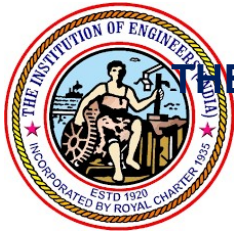
Institute of Science & Technology

Deemed to be University u/s 3 of the UGC Act, 1956

**SCHOOL OF INFRASTRUCTURE**

**DEPARTMENT OF CIVIL ENGINEERING**

in association with



**THE INSTITUTION OF ENGINEERS (INDIA)  
KANCHEPURAM LOCAL CENTRE**



## ROYAL CHARTER DAY

A Report on Guest Lecture

by

**Mr. N. KALYANARAMAN**

*Chief Operating Officer*

*NavinHousing&Properties (P)Ltd*

***Title: "Construction Insights (Buildings)"***

*September 2023*

## SCHOOL OF INFRASTRUCTURE

### DEPARTMENT OF CIVIL ENGINEERING

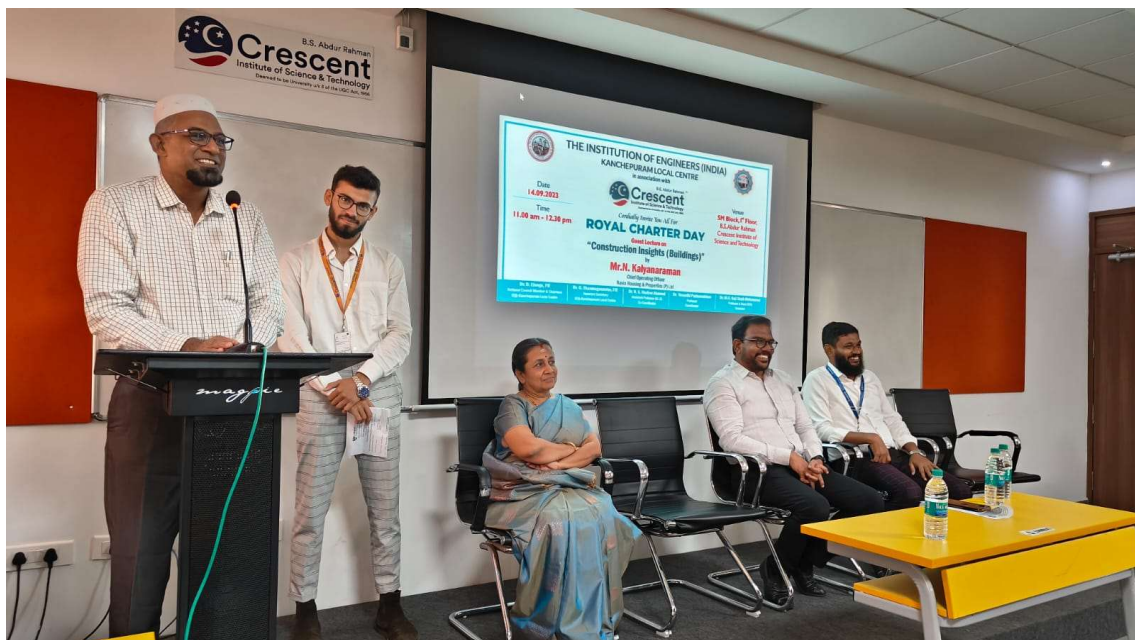
Ref.No. 567A / Dean (SOI) / 0923

Date: 30.09.2023

#### ROYAL CHARTER DAY CELEBRATION

The Royal Charter Day was celebrated on 14.09.2023 at BSA Crescent Institute of Science and Technology, Chennai. The event was organized by Department of Civil Engineering, School of Infrastructure, in association with The Institution of Engineers (INDIA), Kancheepuram Local Chapter at Seminar Hall, Department of Management Studies. The event was coordinated by Dr.Vasanthi Padmanabhan, Professor, and Dr. N. S. Shafeer Ahamed, Assistant Professor (Sel. Gr), Department of Civil Engineering.

As a part of the celebration, a lecture was arranged on the topic, “Construction Insights (Buildings)” which was delivered by the guest speaker **Mr.N.Kalyanaram** Chief Operating Officer, M/s. Navin Housing & Properties (P).Ltd. Chennai.



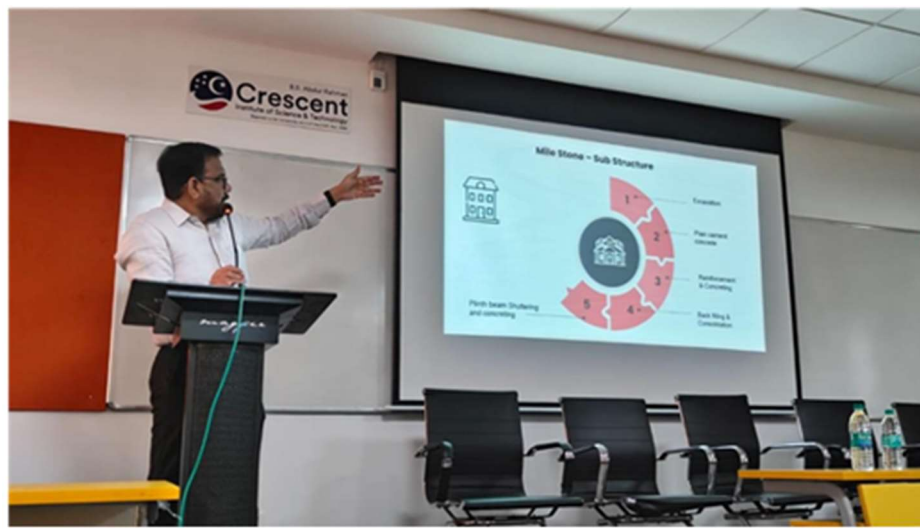
Felicitation by Dr. M. S. Haji Sheik Mohammed , Dean / SOI

The program started with the Quirath by Mr. Mohamed Adhil, Third Year Civil Engineering student followed by the welcome address by the coordinator Dr. Vasanthi Padmanabhan. She appraised the significance of Royal Charters Day celebration to the participants. Dr. M. S. Haji Sheik Mohammed, Professor and Dean, School of Infrastructure offered his felicitations.

The speaker initiated the talk by stating his contribution in the construction industry pertaining to the sustainability through his challenges faced during his execution of the several projects.

The speaker highlighted about the MIVAN construction technique which is constructed with green building concepts by adopting new technology, nothing but the development that meets the needs of the present, without compromising the ability of future generations to meet their own needs. In order to attain sustainability, the challenges faced by the industry must be analyzed and that was illustrated through his lecture.

The challenges faced are cost, quality and time taken for the raw materials to be transformed to the final product. The speaker further mentioned briefly about the importance of project stages like project management, pre-construction stage, construction stage, post construction stage.



**Presentation about the construction insights (buildings) by the guest speaker**

Key factors of project stages.

- Plan
- Resources
- Budget
- Site survey
- Soil test
- Micro-schedule
- Work breakdown Structure
- Materials management
- Timeline
- Resource allocation etc.

Risk, challenges and care to be taken during the construction

### **1. Challenges faced in the foundation**

Increased ground water level, Uplift of foundation because of water pressure, land slide during excavation, structure foundation problems encountered.

### **2. Risk and challenges in superstructures**

Selection of type of concrete for type of concreting, the amount of vibration should be provided, permissible limit for column concreting, problem facing during RMC Concrete, beam and column joints, lubricant agent for centering and shuttering, M-sand these were checked during post construction stage.

The guest lecture wrapped up well and the students were encouraged for open discussion with speaker to clarify their doubts. The program was well delivered by the chief guest and he was thanked by Dr. M. S. Haji Sheik Mohammed, Dean (SOI) for accepting the invitation. A memento was presented to Mr. N. Kalyanaraman by the coordinator of the function, Dr. Vasanthi Padmanbhan. Mr. Vishnu saran, M.Tech Student proposed the vote of thanks.

Around 60 students from UG and PG Department of Civil Engineering participated in the event and got benefitted.



**Discussion about project stages**



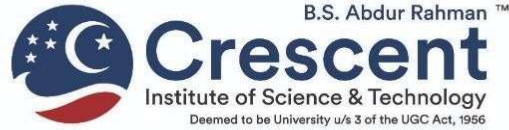
**Open discussion about the presentation with the students**



**Honouring the chief guest by Dr. Vasanthi Padmanabhan Professor**



**THE INSTITUTION OF ENGINEERS (INDIA)**  
KANCHEPURAM LOCAL CENTRE



**CORDIALLY INVITE YOU ALL  
FOR**

# **ROYAL CHARTER DAY**

**Mr.N. Kalyanaraman**  
Chief Operating Officer  
Navin Housing & Properties (P) Ltd



has kindly consented to be the chief guest

&

deliver a lecture on

**“Construction Insights (Buildings)”**

Date	Time
14.09.2023	11.00 am - 12.30 pm

**Dr. D. Elango, FIE**  
National Council Member & Chairman  
IE(I)-Kanchepuram Local Centre

**Dr. G. Shanmugasundar, FIE**  
Honorary Secretary  
IE(I)-Kanchepuram Local Centre

**Dr. N. S. Shafeer Ahamed**  
Assistant Professor (SL.G)  
Co-Coordinator

**Dr. Vasanthi Padmanabhan**  
Professor  
Coordinator

**Dr. M.S. Haji Sheik Mohammed**  
Professor & Dean (SOI)  
Convener

**Invitation for the Royal Charter Day celebration**



**THE INSTITUTION OF ENGINEERS (INDIA)  
KANCHEPURAM LOCAL CENTRE**

in association with

B.S. Abdur Rahman™



**School of Infrastructure**

Department of Civil Engineering

**ROYAL CHARTER DAY**

Guest Lecture on


**"Construction Insights (Buildings)"**


**BSA Crescent Institute of Science and Technology, Vandalur, Chennai**

**September 14, 2023 (Thursday) - 11.00 a.m.**

**Venue: SM Block - 1st Floor.**

11:00 to 11:05 am	Quirath	<b>Mr. Mohamed Aadil</b> 3rd year, Civil Engineering, BSACIST
11:05 to 11:10 am	Tamizhthai Vazhthu	
11:10 to 11:20 am	Welcome Address	<b>Dr. Vasanthi Padmanabhan</b> Professor, Civil Engineering, BSACIST
11:20 to 11:25 am	Felicitation	<b>Dr. M.S. Haji Sheik Mohammed</b> Dean, School of Infrastructure, BSACIST
11:25 to 11:30 am	Introduction to Chief Guest	<b>Dr. N. S. Shafeer Ahamed</b> Asst Professor(SI,G), Civil Engineering, BSACIST
11:30 to 12:30 pm	Addressing by Chief Guest	<b>Mr. N. Kalyanaraman</b> Chief Operating Officer, Navin Housing & Properties (P) Ltd
12:30 to 12:35 pm	Vote of Thanks	<b>Mr. K. Vishnu Sharan</b> Final Year, Structural Engineering

 **THE INSTITUTION OF ENGINEERS (INDIA)**  
**KANCHEPURAM LOCAL CENTRE**  
in association with



**Date**  
**14.09.2023**

**Time**  
**11.00 am - 12.30 pm**

**Venue**  
**SM Block, 1<sup>st</sup> Floor,**  
**B.S. Abdur Rahman**  
**Crescent Institute of**  
**Science and Technology**

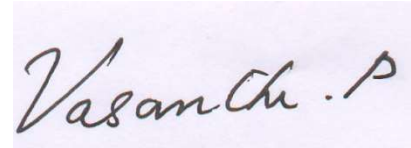
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*Cordially Invite You All For*  
**ROYAL CHARTER DAY**  
Guest Lecture on  
**“Construction Insights (Buildings)”**  
by  
**Mr. N. Kalyanaraman**  
Chief Operating Officer  
Navin Housing & Properties (P) Ltd

<b>Dr. D. Elango, FIE</b> National Council Member & Chairman IE(I)-Kanchepuram Local Centre	<b>Dr. G. Shanmugasundar, FIE</b> Honorary Secretary IE(I)-Kanchepuram Local Centre	<b>Dr. N. S. Shafeer Ahamed</b> Assistant Professor (SL.G) Co-Coordinator	<b>Dr. Vasanthi Padmanabhan</b> Professor Coordinator	<b>Dr. M.S. Haji Sheik Mohammed</b> Professor & Dean (SOI) Convener
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**Dr. N. S. Shafeer Ahamed**  
Co - Coordinator



**Dr. Vasanthi Padmanabhan**  
Coordinator



**Dr. M. S. Haji Sheik Mohammed**  
Dean (SOI)