



**A report on**

***“Inauguration of IGBC Student Chapter & Expert Lectures”***

Organized by

**Department of Civil Engineering**

**B.M.S. COLLEGE OF ENGINEERING,  
BENGALURU-19**

**(Autonomous Institute, Affiliated to VTU)**

**On 5<sup>th</sup> November 2019**

**In association with**

***Indian Green Building Council & Confederation of Indian Industry***



Indian Green Building Council



Confederation of Indian Industry

**INVITED SPEAKERS**

**Ar. NUPUR**, Technical Director, Design Tree Consultants, Bangalore.

**Mr. Arun Rao**, Head-Engineering, Assetz Property Development, Bangalore.

**Mr. Siddesh Kumar Mishra**, Coordinator - CII and IGBC, Karnataka Chapter

**ORGANISING COMMITTEE**

**Dr. P Prasanna Kumar**, Prof and Head, Department of Civil Engineering, BMSCE

**Dr. Sureka Naagesh**, Coordinator, Professor, Department of Civil Engineering, BMSCE

**Prof. Arjun K**, Coordinator, Asst Professor, Department of Civil Engineering, BMSCE

## Schedule of the Event:

<b>Date</b>	<b>TIME/Session</b>	<b>Resource Person / Speaker</b>	<b>Topic</b>
<b>05.11.19</b>	<b>11 – 11.05</b>	Smrithi, 5 <sup>th</sup> Sem Student of Civil Engineering Department	Invocation song
	<b>11.05 – 11.15</b>	Dr. P Prasanna Kumar Prof and HOD, Civil	Welcome address
	<b>11.15 – 11.20</b>	Lighting of Lamp	
	<b>11.20 -11.30</b>	Mr. Siddesh Kumar Mishra, Coordinator – CII and IGBC, Karnataka Chapter.	About IGBC Student Chapter
	<b>11.30 – 11.40</b>	Dr. Ravishankar Deekshit, Vice Principal, BMSCE	Inaugural Address.
	<b>11.40-11.45</b>	Certificate Distribution for the Institution and Student Members	
	<b>11.45-12.30</b>	Ar. NUPUR, Technical Director, Design Tree Consultants	Green Building Concepts and Practices
	<b>12.30 -1.15PM</b>	Mr. Arun Rao, Head-Engineering, Assetz Property Development	Sustainable Practices in Construction
	<b>01.15PM</b>	Vote of Thanks	

The event of Inauguration and the Expert Lectures by the guests has been briefed below:

The Head of Civil Engineering Department, Dr. Prasanna Kumar P, explained about self sustaining materials and his views on fly ash material. He claimed that he started working on these lines way back from 1990's, the time where people used to raise their eyebrows on thoughts of using waste material for construction. He greeted the gathering and welcomed the guests of Honor.

The guests of event are:

**Ar. NUPUR**, Technical Director, Design Tree Consultants, Bangalore. (Core member IGBC)

**Mr. Arun Rao**, Head-Engg, Assetz Property Development, Bangalore. (Core member IGBC)

**Mr. Siddesh Kumar Mishra**, Coordinator - CII and IGBC, Karnataka Chapter

#### **Inagural Address by the Vice Principal- Ravishankar Deekshit**

Dr. Ravishankar Deekshit in his address complimented the department for these activities planned to nurture the young engineers. He added by saying that this is a great platform to learn from industries and to improve our connectivity with industry. He also complemented that the Civil Engineering Department has got good relations with the Industry through lot of activities being conducted. He explained about the importance of the game of survival in the society for natural resources and its proper utilization. He urged the young mind to adopt to take up the opportunities for learning.

He encouraged the Green initiatives that are definitely required for the survival of living being on the earth. As a step this student chapter makes it work. He also expressed his hope of getting more students coming forward and taking part in this initiative.

#### ✓ **Lighting the lamp by the dignitaries**

✓ **Siddhesh Kumar** Mishra in his address to students explained about the importance of having a student chapter of IGBC. He also highlighted about the events, workshops, site visits, career development programs that are happening day to day. He also added about the associations that IGBC and CII have made with Architects, Engineers, Contractors, Industries, Builders and many other. He claimed all that this student chapter will give a lot of Exposure about Green buildings through practical exposure and promised with workshops training programs related to energy and stuff in connection with the

industries and experts from industries will take place under their guidance through this chapter for a better future

✓ **Certificate of Institution is issued to Vice Principal and HOD by the Delegates.**

✓ **Ar. Nupur**

Delving into how IGBC as an organization focuses on what can be done better for this country, the main question that she raised in her speech was: Whether sustainable development is required?

She brought forward the example of polar bears having a tough environment and had been on their way to being extinct by 2011. These animals were driven to such extremities that their migration to Russia led its government to order for their shooting to keep them under control.

One of the major concerns today: how long will India's already meager oil reserves last? What about its iron ores? Coal reserves? She highlighted how India's natural resources, for which it had been once renowned in the ancient world, were now taking a toll and also stressed that deforestation was a major concern that should be taken care of.

She called out to the audience that civil engineers are responsible for the infrastructure of our country; it is their duty to look for alternatives that will not put the environment at stake.

Assimilating green buildings should be the primary objective as after decades of depending solely on codes for building each and everything, reinventing the wheel and bringing these new developments presents a huge challenge.

Mud houses might be seen as the future. However, the point still stands that these are not aesthetically pleasing and not much demand will be there in-spite of their environmental and economic benefits.

Rainwater harvesting should be able to provide near to 100% usage, with no reliance on conventional water sources. Real estate industry generates 40 percent of overall waste. She discussed at length how green buildings optimize energy efficiency, conserves natural resources, generates less waste, and provides healthier spaces for people as compared to conventional building. She also presented the statistics about IGBC like how it impacted energy savings favorably which is up-to 69 billion units, brought about water savings up-to 211 billion liters and carbon dioxide emission reduction of 64 million tons.

✓ **Arun G Rao,**

He is actively associated with the Indian Green Building Council of Bangalore Chapter as the core committee member. Also worked previously as the Vice President at Sobha Developers. Joined there as the project manager and successfully delivered 11

prestigious projects is also been associated with SIDCO, Navi Mumbai for 9 years as an Engineer. Arun G Rao stated that construction generates a lot of waste and requires a lot of energy, both against the tenets of sustainability. Sustainable construction is a living concept and varies in different scenarios based on different needs, based on proximity of resources, disposal of waste and availability of materials. This would reduce cost impact, environmental impact and has positive social impact which benefit in the long run. Sustainable design basically includes maximizing the potential of natural resources by Building simulation for effective natural light and ventilation and orientation of building to reduce heat gain and use of green and sustainable materials

- ✓ **Vote of thanks** presented by Dr. Sureka Naagesh, Professor Department of Civil Engineering

## GALLERY





