



INDIAN CONCRETE INSTITUTE

BENGALURU CENTRE, KARNATAKA

In Association with

**Dayananda Sagar College of
Engineering, Bengaluru**



PRESENTS

ONE DAY NATIONAL SEMINAR ON

Geopolymer Concrete Applications: Challenges and Opportunities

*(Smart Techniques and Solutions for Ecofriendly
Sustainable Constructions)*

On 18th February 2020, Tuesday

*Venue: Venue: Premachandra Sagar Auditorium, DSCE, Kumaraswamy
layout Bengaluru - 560 078*

INTRODUCTION: GEOPOLYMER CONCRETE – In this drastically developing world it becomes very important for us as civil engineers to focus both on the global development and also its impact on the environment. This kind of approach leads to many innovations and researches which helps in conserving the environment without compromising on the developments. One such innovative technology is the geopolymer concrete. Geopolymer concrete is an eco-friendly technology which makes use of the waste by products (fly ash, ground granulated blast furnace slag, etc.) from the various other industries in the preparation of the concrete instead of the ordinary Portland cement (OPC). The evidences from various researches show that using of OPC in the preparation of concrete leads to almost 5-8% of the manmade global carbon-dioxide emissions. By using materials like the fly ash and GGBS for the preparation of the concrete almost reduces the carbon-dioxide emission by 90% when compared to the usage of OPC in CONCRETE.

Gathering of Guest's-Speakers & MC Members



Dignitaries - Lighting the lamp during the Seminar:



Lectures given by the eminent speakers during the Seminar:

Session 1: RAJAMANE N P

Keynote address on “A comparison between concretes made using Geopolymer and Portland cement as binders”



Session 2: Dr. R V Ranganath :

Presentation on - Geopolymer: An Alternative Binder



Session 3: Dr. T. Venu Madhav :
Presentation on – *Geopolymer composites to cater the needs of costal area producing the same by using marine water*



Session 4: Dr. Radhakrishna :
Presentation on – *Development and applications of Geopolymer masonry*



Session 5: Prof. SK Singh
Presentation on – *Applications of Geopolymer Concrete*



Photo gallery:

Felicitation to the Guests



Er. Srinivasa Reddy, MD-DesignTree



Er. Suresh S, VP-ICI south



Mr. Radhakrishnan, Secretary General ICI



Dr. CPS Prakash, Principal, DSCE college



Dr. HK Ramaraju, Prof & Head, DSCE



Dr. Aswath M U, Principal, BIT college

One-day seminar - participants



Vote of thanks: Given by **Dr. RL Ramesh**, Secretary ICI-BC thanked all the members present in the seminar & also thanked the Dignitaries on Dias, Speakers, Sponsors and Coordinators of ICI-BC, to conduct the program successfully & delivered the vote of thanks. The Seminar witnessed 250 enthusiastic participation by delegates through interactive Q&A sessions. At the end of the session, Delegates were appreciative of the way the Seminar was conducted and tangible advantages that they derived.

THANK YOU