

Department: CIVIL ENGINEERING | Date: 02 December 2022

Online Guest Lecture on

“Orientation in Geopolymer Concrete – An Innovative Approach”

02 December 2022

The Department of Civil Engineering in association with EDC, SVEC organized a Online Guest Lecture on “**Orientation in Geopolymer Concrete – An Innovative Approach**” from **3.00 p.m to 04.00 p.m.** The objective of this lecture is to introduce students to creative and critical thinking elements that will stimulate unconventional ways of thinking about processes and also to introduce the pillars of entrepreneurship and innovation to support the deeper development of their innovative ideas. This program is helpful for the students to understand the mechanism of geopolymer concrete and its applications.

The resource person was an eminent personality, **Mr. P. Manikandan**, Assistant Professor (Jr), School of Civil Engineering, VIT Chennai.

All the faculty members and a total of 150 students of II B.Tech. I Semester Civil Engineering (A & B Sections) attended the lecture. **Dr. K. Narasimhulu**, Professor & HoD, Department of Civil Engineering, SVEC and Convener of the Program; **Mr. V. Prem Kumar**, Assistant Professor and Coordinator of the Program graced the occasion.

During the session, the Resource Person, Mr. P. Manikandan shared her rich knowledge and experience on the geopolymer concrete and its applications. Many of the participants truly got inspired by her talk. On the whole, the event has proved successful.

The program details and photographs of the program are as follows.



Online Guest Lecture

ORIENTATION IN GEOPOLYMER CONCRETE - A INNOVATIVE APPORACH

Resource Person:

Mr. P. Manikandan

Assistant Professor (Jr), School of Civil Engineering, VIT Chennai.



Date & Time: 02 December, 2022 | 03 p.m to 04 p.m
Venue: Civil Seminar Hall, SVEC

Organized By: Dept of Civil Engineering

Banner of the Guest Lecture

Geopolymer concrete

- The term Geopolymer was coined by French scientist **Davidovits** in 1970's.
- It is synthesized by the polymerization of aluminosilicate with alkali activator solution (AAS).
- It forms calcium silicate hydrate (C-S-H), calcium aluminate hydrate (C-A-S-H), & sodium aluminate silicate hydrate gels as the end product.
- AAS comprises **sodium silicate** and **sodium hydroxide** solution.
- Geopolymer binder is an alternative cementitious material.

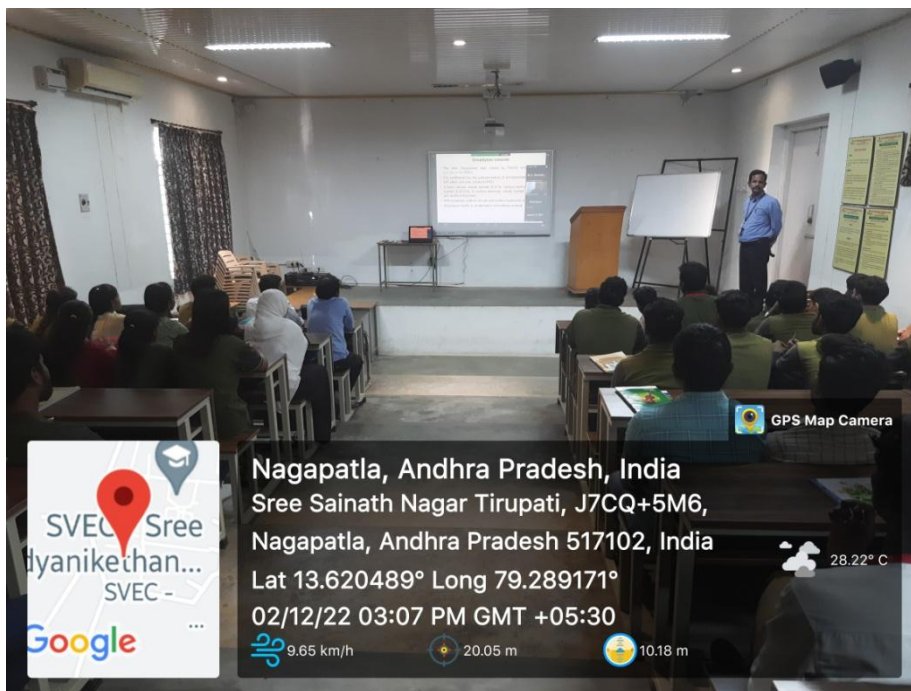
Dr. K. Narasimhan
Dr. K. Narasimhan, PhD, CE
Manikandan Periasamy
Prem Kumar
realme C11 2021

GPS Map Camera

SVEC Sree Vidyaniethan...
SVEC -
Google

Nagapatla, Andhra Pradesh, India
Sree Sainath Nagar Tirupati, J7CQ+5M6,
Nagapatla, Andhra Pradesh 517102, India
Lat 13.620539° Long 79.289139°
02/12/22 03:05 PM GMT +05:30
9.65 km/h 29.25 m 10.18 m 28.22° C

Mr. P. Manikandan, Assistant Professor, VIT Chennai delivering the Lecture



Students and Faculty Members Attending the Lecture in Civil Seminar Hall



Students and Faculty Members Attending the Lecture in Civil Seminar Hall

Participants Feedback:

The following feedback was received from the participants:

1. Participants felt that the lecture addressed different topics pertaining to geopolymer from concept to different applications.
2. Participants felt the quality of delivery and presentation of experts was excellent and very informative.
3. Most of the participants were of the opinion that the topics covered in the lecture will be helpful for their research and for start-ups.
4. Participants felt that the lecture was coordinated very well and appreciated the Principal, Head of the Department, Convener, Coordinator and Organizers for conducting such wonderful sessions.
5. Participants felt that such programs should be conducted regularly.

Mr. V. PREM KUMAR

Assistant Professor
Dept. of Civil Engineering
Coordinator

Dr. K. NARASIMHULU

Professor & HoD
Dept. of Civil Engineering
Convener