



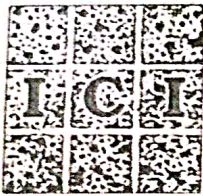
# NEW HORIZON COLLEGE OF ENGINEERING

New Horizon Knowledge Park, Ring Road, Marathalli  
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC  
Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF CIVIL ENGINEERING

In association with

**Indian Concrete Institute (ICI)**



BENGALURU  
CHAPTER

Organizes

**Webinar**

On

**“Liquefaction and its ill effects during the  
earthquake”**

By

**Dr. S K Prasad,**

**Professor and Head- DCE, VVCE – Mysore**

**Date: 24.09.2020**

**Time: 11.00 AM**

Venue

Google Meet

Department of Civil Engineering

**All are cordially invited**





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## DEPARTMENT OF CIVIL ENGINEERING

IN ASSOCIATION WITH



Indian Concrete Institute

INDIAN CONCRETE INSTITUTE, BANGALORE CHAPTER

Is Hosting WEBINAR ON

## “LIQUEFACTION AND ITS ILL EFFECTS DURING THE EARTHQUAKE”

*By Eminent Speaker*



**Dr. S. K. PRASAD**

**PROF & HEAD, DCE,**

**VVCE - MYSORE.**

### Patrons

**Dr. Niranjan P.S.**  
HOD-Civil Engg.

**Dr. Mohan Manghnani**  
Chairman, NHEI

**Dr. Manjunatha**  
Principal, NHCE

### Convener

**Dr. Jagadeesh C.B.**

### Coordinators

**Dr. N. Subramani**

**Mr. Rahul N.K.**

[hodcivilengnhce@gmail.com](mailto:hodcivilengnhce@gmail.com)

**24<sup>th</sup> SEPTEMBER 2020 @ 11 AM,**

The registered participants shall be issued with E-certificate

Date: 24.09.2020

To  
The Principal  
New Horizon college of Engineering  
Bangalore

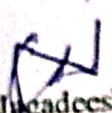
*Through Professor and Head, Department of Civil Engineering*

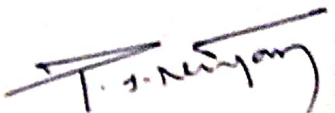
Respected sir,

**Subject: Permission to conduct Webinar on Topic, "Liquefaction and its ill effects during the earthquake" in association with ICI, Bengaluru chapter**

The department of Civil Engineering would like to organize a webinar in Google meet on the above topic. The resource person is Dr. S K Prasad and Head- DCE, VVCE – Mysore. The event is scheduled on 24.09.2020 at 11.00 AM in the department of civil engineering. Hence I request for your permission for the successful conduction of the lecture.

Thanking you

  
Dr. Jugadeesh C B  
Professor  
Department of civil engineering, NHCE

  
Dr. Niranjan P S  
Professor & HOD  
Department of  
civil engineering,  
NHCE



Ref: NHCE/CV/2020-21/Webinar/

To  
Dr. S K Prasad  
Professor and Head- DCE,  
VVCE – Mysore

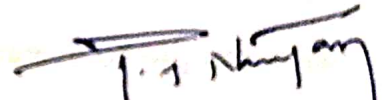
Date: 30.09.2020

Dear sir,

**Subject: Regarding webinar on Topic, "Liquefaction and its ill effects during the earthquake" in association with ICI, Bengaluru chapter**

We are extremely pleased to have you as a resource person for webinar titled, "Liquefaction and its ill effects during the earthquake" in association with ICI, Bengaluru chapter, conducted on 24.09.2020. The participants, students, as well as faculties have been immensely benefitted by your expertise on this topic. Your session was informative and interactive and has created a lot of interest amongst the students in the topic you had covered. Hoping for further participation from your end in workshops/ Expert lectures/ symposium that would be arranged in our institution.

Thanking you



Dr. Niranjan P S  
Professor & HOD  
Department of  
civil engineering,  
NHCE

## Department of Civil Engineering

### REPORT ON WEBINAR

Date: 24/09/2020

With the blessings of NHEI Management, having constant encouragements of our respected Chairman Dr. Mohan Manghnani, and Principal Dr. Manjunatha a WEBINAR is conducted in order to enhance online learning skills of our faculties and students, the department of Civil Engineering hosted on the following schedule and the topic:

Topic: "Liquefaction and its ill effects during the earthquake"

Date: 24<sup>th</sup> September, 2020

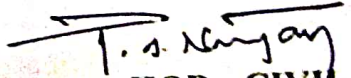
Resource person: Dr. S K Prasad, Professor and Head- DCE, VVCE – Mysore

Time: 11:00 AM to 12:30 PM

Description: During this webinar, he shared the effect of liquefaction of soil and suggest for its improvement.

Earthquakes or seismic events cause number of disturbances in the ground which can harm or damage the structural stability which could turn fatal. Liquefaction causes a sudden movement shift that is out of sync with the rest of the structure. This might cause several structural damages to the property leading to casualties. Liquefaction in saturated soils generates a quicksand effect. This phenomenon occurs during liquefaction when the building or the foundation gets pulled into the diluted soil causing it to lean and eventually collapse. Construction of buildings near water bodies use retaining walls which are heavily dependent on the strength and stiffness of the soil. Once the soil gets liquefied, the retaining wall collapses which could cause landslides

Program: For this Webinar, registration link using Google meet ID and password was created. The link was circulated among registered participants, faculties and students of Civil Engineering, and faculties of other departments. More than 90 participants both Teaching Faculty Members and Students have participated. At the beginning, Dr. P.S. Niranjan HOD gave a welcome address to the participants and after the presentation Dr. Nachimuthu S., Associated professor, CED, delivered the vote of thanks.

  
HOD - CIVIL