



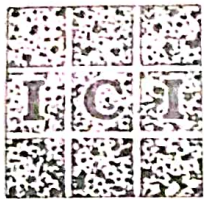
# NEW HORIZON COLLEGE OF ENGINEERING

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**

**“Impact of Urbanization on water quality parameters of a Lake – A  
case study of Ashtamudi Lake Kollam (Kerala)”**

By

**Dr. Nagaraj Sitaram,**

Professor,

Department of Civil Engineering,

East Point College of Engineering and Technology, Bangalore.

Manya – The Princeton Review, Bengaluru

**Date: 26.08.2020**

**Time: 11.00 AM**

Venue

Google Meet

Department of Civil Engineering

**All are cordially invited**



DEPARTMENT OF CIVIL ENGINEERING



Indian Concrete Institute  
Bangalore Centre

## IS HOSTING A WEBINAR

### "IMPACT OF URBANIZATION ON WATER QUALITY PARAMETERS OF A LAKE - A CASE STUDY OF ASHTAMUDI LAKE KOLLAM (KERALA)"

Eminent Speaker



**Dr. Nagaraj Sitaram**

Professor, Department of Civil Engineering  
SPCET, Bangalore.

**Dr. Mohan Manghnani**

Chairman - New Horizon Group of Institutions,  
Bangalore.

**Patrons**

**Dr. Manjunatha**

Professor, IIT, S. Bangalore

**Dr. Niranjan P.S**

HOD, Civil - NICE, Bangalore

**Convenors**

**Dr. Jagadeesh CB**

**Dr. Subramani**

**For any queries,  
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**26<sup>th</sup> August 2020 @ 11:00 AM**

The Registered Participants shall be issued with E - Participation Certificate after completion of session.

Date: 24.08.2020

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, "Impact of Urbanization on water quality parameters of a Lake – A case study of Ashtamudi Lake Kollam (Kerala)", 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. Nagaraj Sitaram, Professor, Department of Civil Engineering, East Point College of Engineering and Technology, Bangalore. The event is scheduled on 26.08.2020 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. Jagadeesh 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/

Date: 30.08.2020

To

Dr. Nagaraj Sitaram,

Professor,

Department of Civil Engineering,

East Point College of Engineering and Technology, Bangalore

Dear sir,

**Subject: Regarding webinar titled "Impact of Urbanization on water quality parameters of a Lake – A case study of Ashtamudi Lake Kollam (Kerala)", in association with ICI, Bengaluru chapter**

We are extremely pleased to have you as a resource person for webinar titled, "Impact of Urbanization on water quality parameters of a Lake – A case study of Ashtamudi Lake Kollam (Kerala)", in association with ICI, Bengaluru chapter, conducted on 26.08.2020. 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. Niranjana P S  
Professor & HOD  
Department of  
civil engineering,  
NHCE



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## Department of Civil Engineering

### REPORT ON WEBINAR

Date: 26/08/2020

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: "Impact of Urbanization on water quality parameters of a Lake – A case study of Ashtamudi Lake Kollam (Kerala)" Innovative project for science students

Date: 26<sup>th</sup> August, 2020

Resource person: Dr Nagaraj Sitaram, Professor, Department of Civil Engineering, East Point College of Engineering and Technology, Bangalore.

Time: 11:00 AM to 12:30 PM

About the speaker: Dr Nagaraj Sitaram has obtained Bachelor's Degree in Civil Engineering from Bhopal University in 1986, Master's degree from NIE Mysore in Hydraulics and completed doctorate from Indian Institute of Science, Bangalore in 1997.

He has total 30-yrs of experience out of which 14-yrs in Government sector and 16-yrs in teaching

He began his career as a Trainee Engineer in GECON Indore (MP) on machine foundations for industrial structures at Mumbai, Nanded and Indore.

He worked as Research Engineer at Fluid Control Research Institute Palakkad, National Transportation Planning and Research Centre Thiruvananthapuram and MACT Bhopal (Now MANIT)

As a faculty he has worked as Professor, Head of the Department and Principal at various institutions. Currently he is working as Professor in Department of Civil Engineering East Point College of Engineering Bengaluru

Description: During this webinar, he shared the effect of urbanization on water quality parameters and suggest for its improvement.

A case study of one of the deepest and largest wetland ecosystems of Ashtamudi Lake in the Kollam District of Kerala State was taken. He shared that rapid growth of Kollam City due to establishment of new Government offices and Industrial projects (Neendakara Port and Titanium Complex projects) have increased the pollution load on the Ashtamudi Lake. The water quality of Ashtamudi Lake is deteriorating specifically in the reach joining the site with built up area of Kollam city, TS Canal and Kallada River. He has suggested a comprehensive plan to improve the water quality and sustainability of Ashtamudi Lake to the Kerala State Council for Science Technology and Environment (KSCSTE). He presented various videos before and after urbanization about Ashtamudi Lake.

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 125 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.

From the WEBINAR, the participants had the opportunity to know about the effect of urbanization on water quality parameters and gained knowledge its improvement.

HOD - CIVIL





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Indian Concrete Institute

## DEPARTMENT OF CIVIL ENGINEERING

### CERTIFICATE OF PARTICIPATION

This is to certify that Dr. /Mr. / Ms. ....  
SERIN ISSAC  
from.....  
NEW HORIZON COLLEGE OF ENGINEERING

has successfully participated in One day Webinar on "Impact of Urbanization on water quality parameters of a Lake" held on 26<sup>th</sup> August 2020 at New Horizon College of Engineering, in association with Indian Concrete Institute, Bengaluru chapter.

.....  
Dr. Jagadeesh C.B  
CONVENER

.....  
Dr. Niranjan P.S  
HOD-CIVIL