



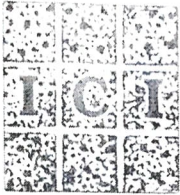
NEW HORIZON COLLEGE OF ENGINEERING

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

&

Indian Concrete Institute (ICI)



Organizes

Workshop

On

BENGALURU
CENTRE

'Reliability concepts in Civil Engineering'

By

Dr. Devraj & Prof. Raghunandan

Professors

University College of Engineering

Bengaluru

Date: 30.01.2018

Time: 10.00 AM

Venue

Room No: C 222

Department of Civil Engineering

All are cordially invited



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Department of Civil Engineering

CIRCULAR

All the students of 6th semester are informed to attend the workshop on the topic titled,
“Reliability concepts in Civil Engineering” on 30.01.2018 from 10.00 AM.

The Lecture venue is Room No: C 222, Department of Civil Engineering

Dr. Niranjana P S
Professor & HOD
Department of Civil
Engineering, NHCE

Date: 25.01.2018

To
The Principal
New Horizon college of Engineering
Bangalore

Through Professor and Head, Department of Civil Engineering

Respected sir,

Subject: Permission to conduct Workshop on Topic, "Reliability concepts in Civil Engineering", in association with ICI, Bengaluru chapter

The department of Civil Engineering would like to organize a workshop on the above topic.

The resource person are Dr. Devraj & Prof. Raghunandan, UVCE, and Bangalore. The event is scheduled on 30.01.2018 at 10.00 AM in the department of civil engineering. Hence I request for your permission for the successful conduction of the lecture.

Thanking you

Mr. Nitish Kumar K
Assistant Professor
Department of civil engineering, NHCE

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



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Department of Civil Engineering

Ref: NHCE/CV/2017-2018/ Workshop/Rep/

Date: 04.02.2018

REPORT

The workshop was held on 31.01.2018 for 6th semester Civil engineering students. The program began with a welcome address by **Mr. Nitish Kumar K**, Assistant Professor, Department of Civil Engineering. **Dr. Niranjan P S**, Professor and Head spoke about the reliability concepts in civil engineering.

In recent years, the importance of assessment of structural reliability has increased significantly. This is confirmed by the recommendations of the standard PN-EN 1990 in which the rules and requirements to ensure safety, serviceability and durability of the structure are specified. It also sets out the basis for calculation and verification of constructions and provides guidance to ensure their reliability. Reliability design focuses on the ability to meet specific design requirements, taking into account the planned period of use. The concept of the planned period of use should be considered as the adopted in the project interval in which the structure or a part of the structure is to be used for its intended purpose without the need for general repairs. Typically, reliability is expressed in probabilistic metrics - using an index of reliability or probability of failure. Reliability of building structures depends on a number of correlated factors, mainly on the quality of materials, building precision and level of control, protection against environmental influences and maintenance level during exploitation, specific period of use, adopted solutions for the construction materials, design details and technologies, adopted loads (both their values and combinations), standard requirements regarding capacity, exploitation and durability, quality of computational models used in the design process and methods for assessing reliability of the structure.

The performed reliability analysis concerns a reinforced concrete foundation, for which reliability index and probability of failure has been specified using the following

NEW HORIZON COLLEGE OF ENGINEERING
DEPARTMENT OF CIVIL ENGINEERING
VII SEM - B SEC ODD SEM 2018

USN	STUDENT NAME	Signature
INH14CV079	B.Pavan Kumar	
INH14CV084	PRASANN ARJUN BAJANTRI	
INH14CV113	T Kartik Naidu	
INH14CV118	Vikas G D	
INH14CV149	Rakesh Kumar Chaudhary	
INH14CV152	Chaitanya M.R.K	
INH14CV154	Anusha R	
INH14CV155	Manoj.P	
INH14CV156	B.Malyadri	
INH15CV054	Khetsun Sangpo	
INH15CV055	Kiran-Kumar-V	
INH15CV056	Kiran Rathod	
INH15CV058	Komal Bagga	
INH15CV059	Lokesh kumar	
INH15CV060	Manish Jha	
INH15CV061	Manjula.G	
INH15CV062	Maqsood Hassan Sohail	
INH15CV063	Md Naqueeb Alam	
INH15CV064	Md. Sabir Hussain	
INH15CV065	Md. Kamrul Hassan	
INH15CV066	Md.Samad	
INH15CV067	Melvin Ronald D Souza	
INH15CV068	Mohammad Attaulah	
INH15CV069	Mohammad Shahnawaz Ali	
INH15CV070	Mohammed Ghouse	
INH15CV071	Mohammed Thouseef.K	
INH15CV072	Mohan Naik.B	
INH15CV074	Monesh.B	
INH15CV075	Nandan.A.Y	
INH15CV076	Naresh Kumar Yadav	
INH15CV077	Naveen.S.R	
INH15CV078	Neha Jacob	
INH15CV079	Nidhi.D	
INH15CV080	Nikhil D.S	
INH15CV081	Nithish.R	
INH15CV084	Prajwal B	
INH15CV085	Prashanth.C.Gowda	
INH15CV086	Praveen Kumar.S	
INH15CV087	Praveen.R	

SL	USN	STUDENT NAME	Signature
40	INH15CV088	Priya R	
41	INH15CV092	Rachitha Prakash	
42	INH15CV093	rahul singh	
43	INH15CV094	Raj Ramesh Domadiya	
44	INH15CV095	Rakesh	
45	INH15CV096	Rakesh.M	
46	INH15CV097	Ranjith.K.B	
47	INH15CV098	Ritesh Adhikari	
48	INH15CV099	Rivesh Shah	
49	INH15CV100	Rohan Bopanna.N.M	
50	INH15CV106	S V Gangadhar	

