



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Declared as Deemed - to - be - University under section 3 of UGC Act. 1956)



BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY

No.173, Agharam Road, Selaiyur, Chennai , T.N - 600 073.

Ref: BIHER/BIST/Civil//Spl/2021

Date: 29/08/2021

CIRCULAR

Many a times, the defined skill sets that are being imparted to students today with Programme Specific Objectives in educational institutions become redundant sooner than later due to rapid technological advancements. It is important for higher education institutions to supplement the curriculum to make students better prepared to meet industry demands as well as develop their own interests and aptitudes.

Hence a Value Added Course is offered by Department of School of Civil and Infrastructure Engineering, Bharath Institute of Higher Education & Research. The course offered is **Professional Training on cement and concrete** with the duration of 30 hours (Two hour per day) and commences from **12/09/2021 to 03/10/2021**.

Eligibility: Course is open for UG Students for Department School of Civil and Infrastructure Engineering.

Registration:

The registration form which is available in the university website should be duly filled by the participants and to be submitted to the Coordinator at least 5 days before the commencement of course.

Contact:

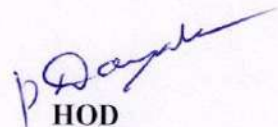
Mrs K.Kiruthiga

Assistant Professor / School of Civil and Infrastructure Engineering.,

Course Coordinator

Bharath Institute of Higher Education & Research.

Email id: kiruthiga.civil@bharathuniv.ac.in


HOD

Head of the Department
Department of Civil Engineering
Bharath Institute of Higher Education & Research
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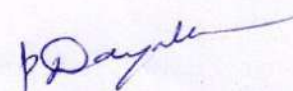
Value Added Course

Professional Training on cement and concrete

Students name list

s.no	Reg.no	Name	e- mail
1	U14CE129	D. NARESH	nareshlayer@gmail.com
2	U14CE130	NARISSETTY RAGHU VARMA	raghuvarma4646@gmail.com
3	U14CE131	NEHA BHARTI	neha.bharati20@gmail.com
4	U14CE132	NOORUL AMEEN .S	nuameen444@gmail.com
5	U14CE133	OM KUMAR	omkumar1004.9@gmail.com
6	U14CE134	ONKAR NATH SINGH	omkaroms@gmail.com
7	U14CE135	OSAR JERANG	Brbetamierang@gmail.com
8	U14CE136	PAMULA PRANAI	pranai810@gmail.com
9	U14CE137	PANABAKAM VENU SAI REDDY	dush.panabakkam@gmail.com
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13	U14CE141	PRADEEP.K	pradeeppvgr123@gmail.com
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22	U14CE150	RAGHU.R	raghuvinovr@gmail.com
23	U14CE151	RAGHUL .S	raghulsden@gmail.com
24	U14CE152	RAGINEEDI VARA KRISHNA	varakrishnaragineedi@gmail.com
25	U14CE153	RAHUL BATRA	rahulbatraforever@gmail.com
26	U14CE154	RAHUL KUMAR SINGH	yo.rk835@gmail.com
27	U14CE155	RAJEETH.R	rajeethsam@gmail.com
28	U14CE156	RAJESH.S	rajeshrois77@gmail.com
29	U14CE157	RAJKUMAR.S	rajkumarpass@gmail.com
30	U14CE158	RAM PRABHU.P.S	ramcivil51096@gmail.com
31	U14CE159	RAM PRASATH T.	prasantht1996@gmail.com
32	U14CE160	RAMCHANDRA VERMA	vermaramcivil@gmail.com
33	U14CE161	RAMESH KUMAR RAM	rajeshkumarte@gmail.com
34	U14CE162	RAMESH.B	rummy4278@gmail.com
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37	U14CE165	RAVI SHANKAR MAHTO	rvishnkr07@gmail.com
38	U14CE166	RICHANMI LAMARE	richamilam17@gmail.com
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58	U14CE186	SATHISH .M	sathishlakshmi1996@gmail.com

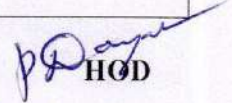

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Value Added Course

Professional Training on cement and concrete

Content of Syllabus

S.No.	Syllabus Details	No. of Lecture hrs	Time	Date	Lecture name
1	Basic Concepts on Cement and Concrete	2	10.00am to 12.00am	12.09.21	K.Kiruthiga
2	Cement Production and Composition, Cement chemistry	2	10.00am to 12.00am	14.09.21	K.Kiruthiga
3	Aggregates for concrete	2	10.00am to 12.00am	15.09.21	K.Kiruthiga
4	Chemical and Mineral admixtures	2	10.00am to 12.00am	16.09.21	K.Kiruthiga
5	Aggregates for concrete, Mix Design			19.09.21	
6	Fresh Concrete, Hardened Concrete	2	10.00am to 12.00am	20.09.21	K.Kiruthiga
7	Creep and Shrinkage	2	10.00am to 12.00am	21.09.21	K.Kiruthiga
8	Durability of concrete	2	10.00am to 12.00am	22.09.21	K.Kiruthiga
9	Introduction on special concretes	2	10.00am to 12.00am	23.09.21	K.Kiruthiga
10	Concreting in cold and hot weather, Self-compacting and fiber reinforced concretes	2	10.00am to 12.00am	26.09.21	K.Kiruthiga
11	Basic understanding of high strength concrete, mass concrete and shotcrete	2	10.00am to 12.00am	27.09.21	K.Kiruthiga
12	Handling preplaced aggregate concrete and light weight aggregate concrete	2	10.00am to 12.00am	28.09.21	K.Kiruthiga
13	Underwater anti-washout concrete; micro-concrete	2	10.00am to 12.00am	29.09.21	K.Kiruthiga
14	Expansive concrete, roller compacted concrete, concrete using recycled aggregate	2	10.00am to 12.00am	30.09.21	K.Kiruthiga
15	Concreting Operations	2	10.00am to 12.00am	03.10.21	K.Kiruthiga


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Topic: Professional Training on cement and concrete

Type of Course: Value added course / UG

School of Civil and infrastructure Engineering

Pre-Requisites: Concrete Technology

Course Duration: 30 hours (12 Sep' 21)

Intended Audience: Civil Engineering Students

Industries Applicable To: All companies that deal with the civil infrastructure development

Coordinators: K.Kiruthiga

Objective:

- 1) This course explains how some commonly used special concretes have been developed and how they are used in different conditions.
- 2) The course seeks to present a unified view of concrete materials, construction methods and construction environment and examine the matter on parameters such as quality control methods.

COURSE OUTLINE:

This course broadly encompasses the study of properties of ingredients of concrete, design of concrete mix, production of concrete and various concreting operations. Cementing material is the vital component of the concrete, hence study of process of manufacturing of cement, types of cement and their properties are covered in this course. Study of properties of aggregates and water also finds their due coverage in the course. Process of concrete production and concreting operations also forms an essential component of the course. In addition to the study of special purpose concretes, the course also provides the due coverage of admixtures which are added to modify the properties of concrete. Properties of concrete in plastic as well as in hardened stage find its due coverage in this course. The course aims at imparting knowledge and skill to supervise concreting operations involving proportioning, mixing, transporting, placing, compacting, finishing and curing of concrete.


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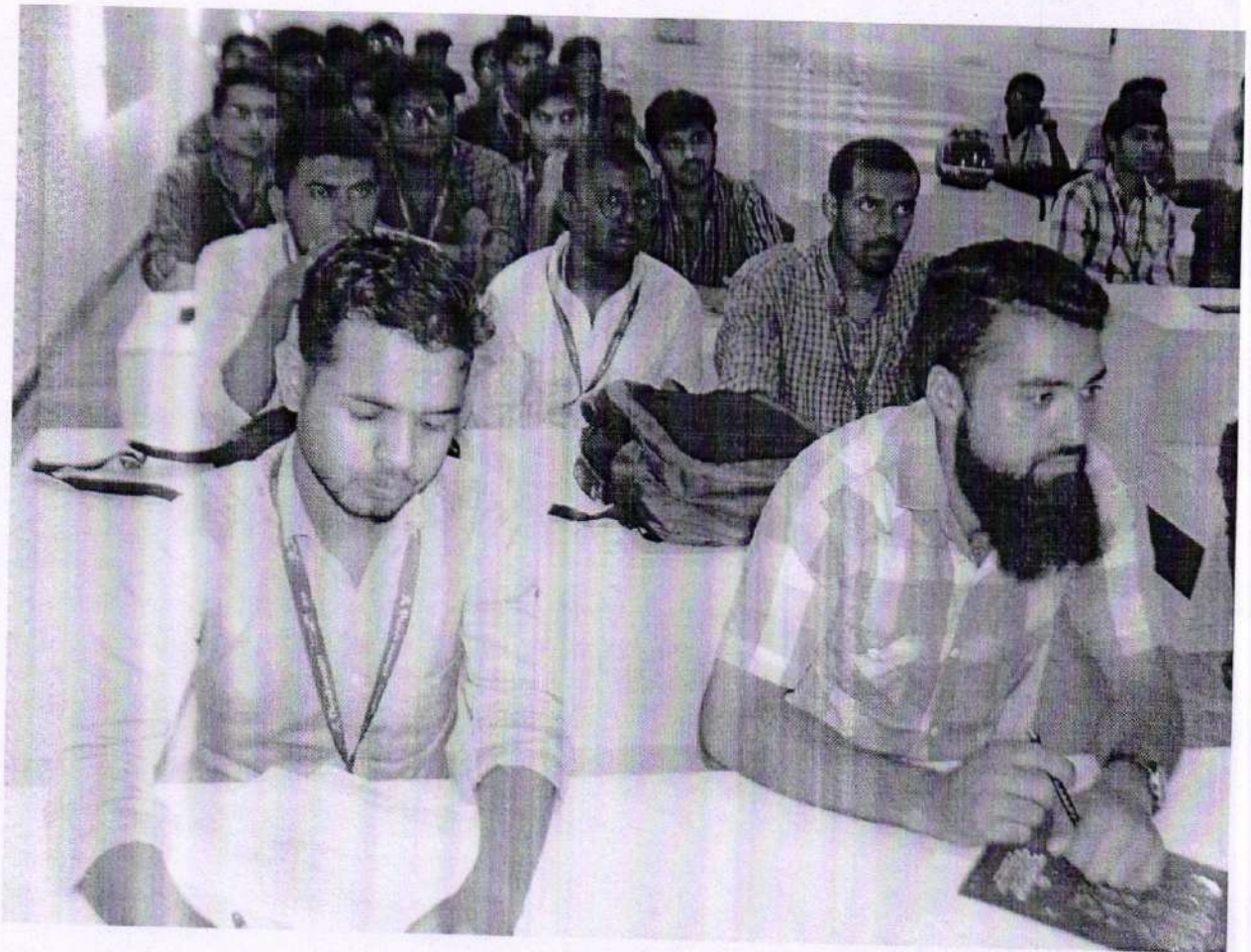


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NAAC
NATIONAL ASSESSMENT AND
ACCREDITATION COUNCIL



Bharath Institute of Higher Education and Research

CERTIFICATE OF participation

This is to Certify that SATHISH M, from Bharath Institute of Higher Education and Research, has participated in value added course on '**Professional training on Cement and Concrete**' presented by **Mrs.K.Kiruthiga., Assistant Professor**, Organized by School of Civil & Infrastructure Engineering, BIHER from 12.09.2021 to 03.10.2021.

K. K. Kiruthiga
Coordinator

P. Rajan
HOD

Head of the Department
Department of Civil Engineering
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VALUE ADDED COURSE

Feedback Form

Event Name: Professional training on Cement and Concrete

Event Venue: Date: 3/10/21

Name of participant: Raghav R

1. Rate the success of the event (1: not successful, 5 very successful)

1

2

3

4

5



2. Describe what topic is good.

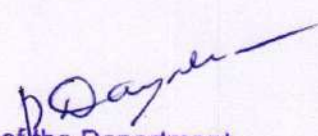
Special concrete

3. What aspects of the course we improve.

Nil

4. What else would you like to see added.

Program dates can be extended


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