



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/2018

Date: 23/07/2018

From
Mr.T.P.Meikandaan,
Department of Civil Engineering,
BIHER

To
The HOD
Department of Civil Engineering,
BIHER

Respected Sir

Sub – Permission to conduct value added course – reg.

I wish to inform you that, as it is decided to conduct the value added courses to supplement the curriculum to make students better prepared to meet industry demands as well as develop their own interests and aptitudes. The eligibility of this course is open for UG students from department of civil engineering. So please permit us to conduct the value added course on Maintenance and Rehabilitation of Structures which is starting from 06/08/2018 to 06/09/2018.

Thanking you.

Head of HOD department
Department of Civil Engineering
Bharath Institute of Higher Education & Research
(Declared as Deemed to be University U/S 3 of UGC Act, 1956)
Selaiyur, Chennai-600 073. INDIA



Bharath

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BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY

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

Ref: BIHER/BIST/Civil//Spl/2018

Date: 25/07/2018

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 **Maintenance and Rehabilitation of Structures** with the duration of 30 hours (Two hour per day) and commences from **06/08/2018 to 06/09/2018**.

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:

Dr.T.P.Meikandaan

Associate Professor / School of Civil and Infrastructure Engineering.,

Course Coordinator

Bharath Institute of Higher Education & Research.

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

HOD
Head of the Department
Department of Civil Engineering
Bharath Institute of Higher Education & Research
(Declared as Deemed to be University U/S 3 of UGC Act 1956)
Selaiyur, Chennai - 600 073

SCHOOL OF CIVIL & INFRASTRUCTURE ENGINEERING
VALUE ADDED COURSE – MAINTENANCE AND REHABILITATION OF
STRUCTURES
STUDENTS NAME LIST

Sl.NO	Reg No	Name of the students	E-Mail ID
1	U16CE001	ATHNAN BAYAJ K	bayaj1998@gmail.com
2	U16CE002	KAYALA MAHESWARA REDDY .	maheswarareddy278@gmail.com
3	U16CE003	RAHUL P	Rahulross98@gmail.com
4	U16CE004	SAJEEVA RAO C H	sajeev2306@gmail.com
5	U16CE005	TOURANGBAM LIZEN SINGH .	Lizen47tourangbam@gmail.com
6	U16CE006	R.ARAVINTH	arunaravinth.1999@gmail.com
7	U16CE007	BALAJI A	Balabalaji7711@gmail.com
8	U16CE008	AJAY M	ajay2871999@gmail.com
9	U16CE009	ABHISHEK SINGH KSH .	abhishekksh3@gmail.com
10	U16CE010	JOYBIGANDA SINGH LAIRIKYENGBAM	joybigandal@gmail.com
11	U16CE012	RAJKUMAR SOMOKANTA SINGH .	somoraj.rk@gmail.com
12	U16CE013	KANGKIRAM TACHING	kangkiram.5@gmail.com
13	U16CE014	JAYOBRATO PAL	jayobrato98pal@gmail.com
14	U16CE015	NILKEE MUKHIM	neilkeermukhim.@gmail.com
15	U16CE016	SRIRAM J	sriram27121997@gmail.com
16	U16CE017	YERRA BALAJI BHANUDAYA .	Balajibhanu225143@gmail.com
17	U16CE018	SAMALA AKHIL	Samalaakhil9797@gmail.com
18	U16CE019	BOSE NAVEEN KUMAR .	naveenkumarveeran30@gmail.com
19	U16CE020	ARUN SABHARISH C A	aruncrazy8058@gmail.com
20	U16CE021	SRIGADE PAVAN PRASAD .	Srigadepavan@gmail.com
21	U16CE024	MD SHAMIM AZAM	azamshamim360@gmail.com
22	U16CE025	KAMALDOSS K Y	kamaldoss82@gmail.com

23	U16CE029	MARABATHUNI SREENU	marabathunisreenu@gmail.com
24	U16CE030	KAREMPUDI AJAYKUMAR	ajaykumar.karempudi@gmail.com
25	U16CE031	POLINENI ANUSH BABU .	anesh.chowdary.5@gmail.com
26	U16CE032	GANJI AVINASH	Avinash.ganji25@gmail.com
27	U16CE033	VIGNESH V	vignesh1996@gnai.com
28	U16CE034	PURNAJEET USHAM	Zitpurnajeetusham@gmail.com
29	U16CE035	NGANGOM SRIKANTA SINGH .	ngangom26@gmail.com
30	U16CE036	TAGGUPARTI RAJASEKHAR REDDY .	reddyrajasekhar016@gmail.com
31	U16CE039	KECHANGULIE KEDITSU	Kechakeditsu44@gmail.com
32	U16CE040	BISHWANATH SINGH	bishwa155@gmail.com
33	U16CE041	RITESH KUMAR .	kratesh867@gmail.com
34	U16CE042	RENISH R	renishjo.re@gmail.com
35	U16CE043	PARAS WARIBAM	pwaribam@gmail.com



Head of the Department
Department of Civil Engineering
Bharath Institute of Higher Education & Research
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Selaiyur, Chennai-600 073. INDIA

Value Added Course

Maintenance and Rehabilitation of Structures

Content of Syllabus

S.No.	Syllabus Details	No. of Lecture hrs	Time	Date	Lecturer name
1	Distresses monitoring, Causes of distresses, Quality assurance.	2	3.00 – 5.00 pm	06/08/2018	Dr.T.P.Meikandaan
2	Defects due to climate, chemicals, wear and erosion, Inspection.	2	3.00 – 5.00 pm	08/08/2018	Dr.T.P.Meikandaan
3	Structural appraisal, Economic appraisal.	2	3.00 – 5.00 pm	10/08/2018	Dr.T.P.Meikandaan
4	Causes, diagnosis, remedial measures, Thermal and Shrinkage cracks	2	3.00 – 5.00 pm	13/08/2018	Dr.T.P.Meikandaan
5	unequal loading, Vegetation and trees, Chemical action	2	3.00 – 5.00 pm	17/08/2018	Dr.T.P.Meikandaan
6	Foundation movements, Techniques for repair, Epoxy injection.	2	3.00 – 5.00 pm	20/08/2018	Dr.T.P.Meikandaan
7	Sources of dampness, Moisture movement from ground.	2	3.00 – 5.00 pm	22/08/2018	Dr.T.P.Meikandaan
8	Reasons for ineffective DPC, Roof leakage, Pitched roofs, Madras Terrace roofs Leakage of Concrete slabs Dampness in solid walls, condensation, hygroscopic salts, remedial treatments	2	3.00 – 5.00 pm	24/08/2018	Dr.T.P.Meikandaan
9	Ferro cement overlay, Chemical coatings, Flexible and rigid coatings.	2	3.00 – 5.00 pm	27/08/2018	Dr.T.P.Meikandaan
10	Concrete Structures: Introduction, Causes of deterioration.	2	3.00 – 5.00 pm	28/08/2018	Dr.T.P.Meikandaan
11	Diagnosis of causes, Flow charts for diagnosis.	2	3.00 – 5.00 pm	30/08/2018	Dr.T.P.Meikandaan

12	methods of repair, repairing, spalling and disintegration.	2	3.00 – 5.00 pm	31/08/2018	Dr.T.P.Meikandaan
13	Steel Structures : Types and causes for deterioration, preventive measures.	2	3.00 – 5.00 pm	03/09/2018	Dr.T.P.Meikandaan
14	Repair procedure, Brittle fracture.	2	3.00 – 5.00 pm	04/09/2018	Dr.T.P.Meikandaan
15	Design for rehabilitation.	2	3.00 – 5.00 pm	06/09/2018	Dr.T.P.Meikandaan



HOD
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Topic: Maintenance and Rehabilitation of Structures

Type of Course: value added course/ UG

School of Civil and infrastructure Engineering

Pre-Requisites: Concrete Technology

Course Duration: 30 hours (06 August 2018 to 06 September 2018)

Intended Audience: School of Civil and infrastructure Engineering Students

Industries Applicable To: All companies that deal with the Civil Engineering development

Coordinator: Dr.T.P.Meikandaan

Objective:

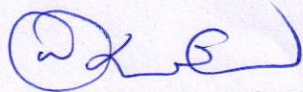
- a) To study the damages, repair and rehabilitation of structures.
- b) To learn about general consideration in quality assurance, structural appraisal etc.
- c) To know about techniques for repair in building cracks.
- d) To understand the reason for ineffective DPC and remedial treatments.
- e) To know about types, causes for deterioration and preventive measures.
- f) To learn the concepts of strengthening of existing structures.

VALUE ADDED COURSE

MAINTENANCE AND REHABILITATION OF STRUCTURES

COURSE OUTLINE:

This course will help students learn how to identify various deterioration mechanisms or damage mechanisms in concrete structures (say, deterioration of metallic reinforcement and cementitious materials). The course will discuss both the scientific aspects and its use while practicing repair works at site. Use of various non-destructive, partially-destructive tools to assess the condition of the structure will be discussed. Also, tips on selecting measurable parameters that are useful in deciding the further repair and maintenance practices will be provided. Following this, practices for typical near-surface repair, corrosion protection, structural strengthening, structural stabilization, etc. will be discussed in detail. At the end of the course students will be able to suggest evaluation and repair/retrofitting methods for extending the service life of concrete structures. Importance for preventive maintenance practices. Maintenance is preventive in nature. Activities include inspection and works, necessary to fulfill the intended function, or to sustain original standard of service.


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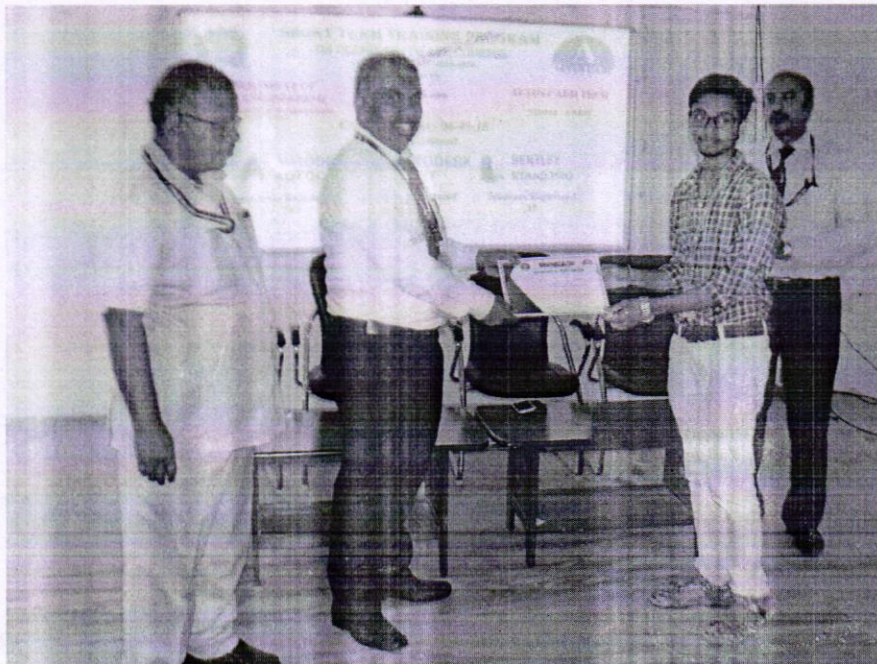
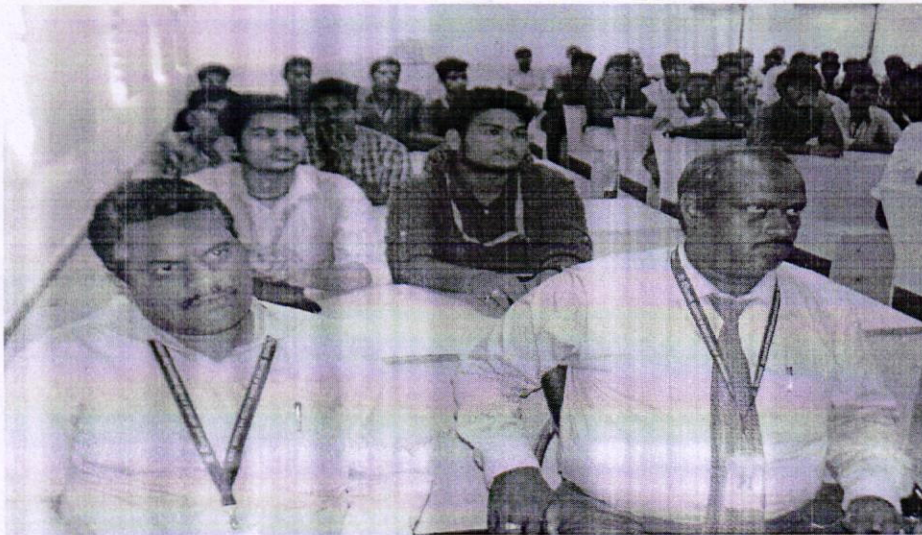
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SCHOOL OF CIVIL & INFRASTRUCTURE ENGINEERING

VALUE ADDED COURSE – MAINTENANCE AND REHABILITATION OF STRUCTURES

Date: 06.08.2018

Year/Sem: III /V



Head of the Department
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NAAC
NATIONAL ASSESSMENT AND
ACCREDITATION COUNCIL

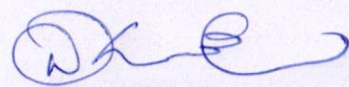


BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY

CERTIFICATE OF PARTICIPATION

This is to Certify that BALAJI A, from Bharath Institute of Higher Education and Research, has participated in value added course on **‘Maintenance and Rehabilitation of Structures’** presented by **Dr.T.P.MEIKANDAAN, Associate Professor**, Organized by School of Civil & Infrastructre Engineering, Bharath Institute of Science & Technology, BIHER from 06.08.2018 To 06.09.2018.


Coordinator


HOD
Head of the Department
Department of Civil Engineering
Bharath Institute of Higher Education & Research
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Selaiyur, Chennai-600 073, INDIA

On-line Feedback

Value added course on Maintenance and Rehabilitation of Structures

Sl.NO	Email Address	Name	Reg number	Institute	Designation	Phone Number	Rating for the session (1 to 5)	Feedback *
1	bayaj1998@gmail.com	ATHNAN BAYAJ K	U16CE001	Bharath Institute of higher education and research	Student	7904684263	5	It's great to learn new staffs. thank you
2	maheswarareddy278@gmail.com	KAYALA MAHESWARA REDDY .	U16CE002	Bharath Institute of higher education and research	Student	9514461188	5	Good
3	Rahulross98@gmail.com	RAHUL P	U16CE003	Bharath Institute of higher education and research	Student	7397262652	4	Very good
4	sajeev2306@gmail.com	SAJEEVA RAO C H	U16CE004	Bharath Institute of higher education and research	Student	8682868015	5	nice presentation almost covered all topics related to this subject, thank you sir
5	Lizen47fourangbam@gmail.com	TOURANGBAM LIZEN SINGH .	U16CE005	Bharath Institute of higher education and research	Student	7550105911	3	The software that is available in a variety
6	arunaravinth.1999@gmail.com	R.ARAVINTH	U16CE006	Bharath Institute of higher education and research	Student	8778136368	4	Good session
7	Balabalaji7711@gmail.com	BALAJI A	U16CE007	Bharath Institute of higher education and research	Student	8610892435	4	good
8	ajay2871999@gmail.com	AJAY M	U16CE008	Bharath Institute of higher education and research	Student	7395967727	5	Very informative video
9	abhishekksh3@gmail.com	ABHISHEK SINGH KSH .	U16CE009	Bharath Institute of higher education and research	Student	9650415523	5	It was well efficient to know in detail.
10	joybigandal@gmail.com	JOYBIGANDA SINGH LAIRIKYENGBAM	U16CE010	Bharath Institute of higher education and research	Student	8415878808	4	The session was very good
11	somoraj.rk@gmail.com	RAJKUMAR SOMOKANTA SINGH .	U16CE012	Bharath Institute of higher education and research	Student	9884583220	4	Good
12	kangkiram.5@gmail.com	KANGKIRAM TACHING	U16CE013	Bharath Institute of higher education and research	Student	8837422310	4	Nice
13	jayobrato98pal@gmail.com	JAYOBRATO PAL	U16CE014	Bharath Institute of higher education and research	Student	9832115770	1	Very good
14	neilkeermukhim.@gmail.com	NILKEE MUKHIM	U16CE015	Bharath Institute of higher education and research	Student	8787643316	4	Good
15	sriram27121997@gmail.com	SRIRAM J	U16CE016	Bharath Institute of higher education and research	Student	9790833563	5	Excellent

On-line Feedback

Value added course on Maintenance and Rehabilitation of Structures

Sl.NO	Email Address	Name	Reg number	Institute	Designation	Phone Number	Rating for the session (1 to 5)	Feedback *
16	Balajibhanu225143@gmail.com	YERRA BALAJI BHANUDAYA .	U16CE017	Bharath Institute of higher education and research	Student	8008246159	4	Well organised session
17	Samalaakhil9797@gmail.com	SAMALA AKHIL	U16CE018	Bharath Institute of higher education and research	Student	9573265145	1	The session was pretty good, and I've gotta listened clearly, It was incredible
18	naveenkumarveeran30@gmail.com	BOSE NAVEEN KUMAR .	U16CE019	Bharath Institute of higher education and research	Student	7358037450	4	Very good
19	aruncrazy8058@gmail.com	ARUN SABHARISH C A	U16CE020	Bharath Institute of higher education and research	Student	9600118859	5	Excellent webinar that i have never seen.
20	Srigadepavan@gmail.com	SRIGADE PAVAN PRASAD .	U16CE021	Bharath Institute of higher education and research	Student	9666202032	3	Good explanation
21	azamshamim360@gmail.com	MD SHAMIM AZAM	U16CE024	Bharath Institute of higher education and research	Student	7759068308	5	good
22	kamaldoss82@gmail.com	KAMALDOSS K Y	U16CE025	Bharath Institute of higher education and research	Student	9840184553	5	good
23	marabathunisreenu@gmail.com	MARABATHUNI SREENU	U16CE029	Bharath Institute of higher education and research	Student	8074309554	5	Very much informative session.
24	ajaykumar.karempudi@gmail.com	KAREMPUDI AJAYKUMAR	U16CE030	Bharath Institute of higher education and research	Student	7036684266	5	Good
25	anesh.chowdary.5@gmail.com	POLINENI ANUSH BABU .	U16CE031	Bharath Institute of higher education and research	Student	8072908123	3	Over all session was use full nd filled with contents
26	Avinash.ganji25@gmail.com	GANJI AVINASH	U16CE032	Bharath Institute of higher education and research	Student	9160096408	5	Good
27	vignesh1996@gnai.com	VIGNESH V	U16CE033	Bharath Institute of higher education and research	Student	9940230346	5	Good
28	Ziturnajeetusham@gmail.com	PURNAJEET USHAM	U16CE034	Bharath Institute of higher education and research	Student	9366887653	4	It was very helpful
29	ngangom26@gmail.com	NGANGOM SRIKANTA SINGH .	U16CE035	Bharath Institute of higher education and research	Student	7085924922	4	Good
30	reddyrajasekhar016@gmail.com	TAGGUPARTI RAJASEKHAR REDDY .	U16CE036	Bharath Institute of higher education and research	Student	9010579593	5	Good

On-line Feedback

Value added course on Maintenance and Rehabilitation of Structures

Sl.NO	Email Address	Name	Reg number	Institute	Designation	Phone Number	Rating for the session (1 to 5)	Feedback *
31	Kechakeditsu44@gmail.com	KECHANGULIE KEDITSU	U16CE039	Bharath Institute of higher education and research	Student	8731008619	4	Good
32	bishwa155@gmail.com	BISHWANATH SINGH	U16CE040	Bharath Institute of higher education and research	Student	8939667178	5	Very informative and useful
33	krritesh867@gmail.com	RITESH KUMAR .	U16CE041	Bharath Institute of higher education and research	Student	7358261245	5	Good
34	renishjo.re@gmail.com	RENISH R	U16CE042	Bharath Institute of higher education and research	Student	9585206792	4	Good
35	pwaribam@gmail.com	PARAS WARIBAM	U16CE043	Bharath Institute of higher education and research	Student	8794541589	3	Good



Head of the Department
Department of Civil Engineering
Bharath Institute of Higher Education & Research
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No.173, Agharam Road, Selaiyur, Chennai , T.N - 600 073.

Ref: BIHER/BIST/Civil//Spl/2018

Date: 25/08/2018

From

Ms.M.Hemapriya,

Department of Civil Engineering,

BIHER

To

The HOD

Department of Civil Engineering,

BIHER

Respected Sir

Sub – Permission to conduct value added course – reg.

I wish to inform you that, as it is decided to conduct the value added courses to supplement the curriculum to make students better prepared to meet industry demands as well as develop their own interests and aptitudes. The eligibility of this course is open for UG students from department of civil engineering. So please permit us to conduct the value added course on Safety in Construction which is starting from 10/09/2018 to 10/10/2018.

Thanking you.

Head HOD Department
Department of Civil Engineering
Bharath Institute of Higher Education & Research
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Date: 31/08/2018

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 **Safety in Construction** with the duration of 30 hours (Two hour per day) and commences from **10/09/2018 to 10/10/2018**.

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:

Ms.M.Hemapriya

Assistant Professor / School of Civil and Infrastructure Engineering.,

Course Coordinator

Bharath Institute of Higher Education & Research.

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

Head of **HOD** Department
Department of Civil Engineering
Bharath Institute of Higher Education & Research
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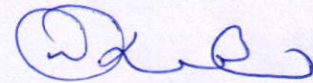
SCHOOL OF CIVIL INFRASTRUCTURE ENGINEERING

VALUE ADDED COURSE – SAFETY IN CONSTRUCTION

STUDENTS NAME LIST

Sl.NO	Reg No	Name of the students	E-Mail ID
1	U16CE046	RAJKUMAR NOURJEET	Rajkumarnourjeet@gmail.com
2	U16CE047	KURAPATI KOUSHIK REDDY .	Koushik.mounik@gmail.com
3	U16CE048	SIDDARTH SOROKHAIBAM	sorosid@gmail.com
4	U16CE049	MOHAMED RIFAI R	Rifaikhan220@gmail.com
5	U16CE050	NIRMALLPRASATH G	nirmallprasath86@gmail.com
6	U16CE051	ABDUL RAWOOF R	abdulrawoof96@gmail.com
7	U16CE052	SAKTHIPRIYAN D	Sarath.sakthi07@gmail.com
8	U16CE054	NITHYANANDAM S	godspeed5173@gmail.com
9	U16CE502	VEERIAH R	akash.veeriah@gmail.com
10	U16CE503	NAVEEN P	naveenkariem1997@gmail.com
11	U16CE504	DEEBAK M	deebaksharma@gmail.com
12	U16CE505	NARANDHARAN S	narenaresh1233@gmail.com
13	U16CE506	NAYAN KUNTAL SONOWAL	ny07benz@gmail.com
14	U16CE507	JOHN MEHALAN	johnmehalan14@gmail.com
15	U16CE508	LOGANATHAN G	loganathangunasekaran98@gmail.com
16	U16CE509	ARUN KUMAR V	ciazarun6999@gmail.com
17	U16CE510	A.MUKESH KUMAR	mukeshkumarjan06@gmail.com
18	U16CE701	VENKATESH S	nasavenkatesh4659@gmail.com
19	U16CE702	MOHAMED JASSIM J	mohamedjassim4311@gmail.com
20	U16CE703	KARTHIK J	Karthikjijo43@gmail.com
21	U16CE704	JAGAN D	jagancivil9749@gmail.com


22	U16CE705	VINOTHKUMAR C	tharuntboo@gmail.com
23	U16CE706	VIJAY ARAVIND P	vijayaravind54@gmail.com
24	U16CE707	PARI D	Pariventhan97@gmail.com
25	U16CE708	KURIMISSETTY PAVAN KUMAR .	k.pal.pavan@gmail.com
26	U16CE709	AVINESH E	avineshriaz8124@gmail.com
27	U16CE710	HORJUM AMO	Horjumamoamo@gmail.com
28	U16CE711	SUJITHKUMAR V	Sujith20.7299@gmail.com
29	U16CE712	GURRAM MOHAN	Mohanreddy.g555@gmail.com
30	U16CE713	SENTHILKUMAR P	senthil14111996@gmail.com
31	U16CE714	MEESALA SAKETH	saketvar111@gmail.com
32	U16CE715	SUCYVIA DKHAR	sucyvia.1306@gmail.com
33	U16CE716	JAYA PRASANTH R	pjaya7468@gmail.com
34	U16CE717	SANTHOSH E S	santhoshsubramaniam27@gmail.com
35	U16CE718	NIRAJ SINGH	nirajsingh021995@gmail.com
36	U16CE719	ADHITHIYAN A	adhithiyan6396@gmail.com



Head of the Department
Department of Civil Engineering
Bharath Institute of Higher Education & Research
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Selayur, Chennai-600 073. INDIA

Value Added Course
Safety in Construction
Content of Syllabus

S.No.	Syllabus Details	No. of Lecture hrs	Time	Date	Lecturer name
1	Construction accidents, Construction Safety Management: causes of accident, safety measures	2	3.00 – 5.00 pm	10/09/2018	Ms.M.Hemapriya
2	Environmental issues in construction	2	3.00 – 5.00 pm	12/09/2018	Dr.T.P.Meikandaan
3	Construction industry related laws.	2	3.00 – 5.00 pm	14/09/2018	Dr.T.P.Meikandaan
4	Safety Programmes	2	3.00 – 5.00 pm	17/09/2018	Dr.T.P.Meikandaan
5	Construction Safety, Elements of an Effective Safety Programmes	2	3.00 – 5.00 pm	19/09/2018	Ms.M.Hemapriya
6	Job-site assessment	2	3.00 – 5.00 pm	21/09/2018	Dr.T.P.Meikandaan
7	Safety Meetings	2	3.00 – 5.00 pm	24/09/2018	Dr.T.P.Meikandaan
8	Safety Incentives. Contractual Obligations	2	3.00 – 5.00 pm	26/09/2018	Ms.M.Hemapriya
9	Safety in construction contracts, Substance Abuse	2	3.00 – 5.00 pm	28/09/2018	Dr.T.P.Meikandaan
10	Safety Culture, Safe Workers, Safety and First Line Supervisors, Safety and Middle Managers	2	3.00 – 5.00 pm	01/10/2018	Ms.M.Hemapriya
11	Top Management Practices, Company Activities and Safety, Safety Personnel	2	3.00 – 5.00 pm	03/10/2018	Dr.T.P.Meikandaan
12	Sub-contractual Obligation	2	3.00 – 5.00 pm	04/10/2018	Ms.M.Hemapriya
13	Project Coordination and Safety Procedures	2	3.00 – 5.00 pm	05/10/2018	Ms.M.Hemapriya
14	Workers Compensation.	2	3.00 – 5.00 pm	08/10/2018	Dr.T.P.Meikandaan
15	Safety in hand tools.	2	3.00 – 5.00 pm	10/10/2018	Ms.M.Hemapriya


HOD
 Head of the Department
 Department of Civil Engineering
 Bharath Institute of Higher Education & Research
(Declared as Deemed to be University U.S 3 of U.S. Act 1956)
 Safety in Construction, 100-878, INDIA



Bharath
INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

Topic: Safety in Construction

Type of Course: value added course/ UG

School of Civil and infrastructure Engineering

Pre-Requisites: Construction Technology

Course Duration: 30 hours (10 September 2018 to 10 October 2018)

Intended Audience: School of Civil and infrastructure Engineering Students

Industries Applicable To: All companies that deal with the Civil Engineering development

Coordinators: Dr.T.P.Meikandaan & Ms.M.Hemapriya

Objective:

- a) To study various safety practices that has to be adopted in construction and to know the finer aspects of safety programs, sampling and audit.
- b) Know the safety concepts that have to be adopted in construction
- c) Understand the elements of safety programmes.
- d) Know the awareness on safety practices that has to be ensured during construction.
- e) Know about the accident prevention, safety sampling and audit.
- f) Know the safety concepts in hand tools, grinding, lifting works and while operating fire fighting equipments.

**VALUE ADDED COURSE
SAFETY IN CONSTRUCTION
COURSE OUTLINE:**

Considering a process view of design, this course presents guidelines for integrating safety into that process in the construction industry. Demonstrate construction safety in an increasingly challenging and changing environment. Describe the roles of organizations and personnel involved in major construction projects and explain how each affects site safety. Illustrate how contractors and subcontractors can be qualified and selected for a construction project. Demonstrate how site safety programs can be coordinated among the many contractors on a construction site to provide the overall safety. The legal aspects including liability and regulatory requirements of construction safety. And finally many technical issues in construction, particularly the requirements and applications of safety planning in the early job phases. Both in construction and other industries, the consideration of safety requirements since the early design stages has been widely recognized as a beneficial approach for safety management, since it is an effective way of either reducing or eliminating hazards at their sources. Moreover, once hazards are anticipated at the very early project stages, there will be more time available to plan safe construction methods. Regardless of this, negligence of safety issues during design has been pointed out as a major category of accidents root causes in construction sites



**Head of the Department
Department of Civil Engineering
Shree Institute of Higher Education & Research
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Selaiyur, Chennai-600 073. INDIA**



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Declared as DEEMED-TO-BE UNIVERSITY



NAAC
NATIONAL ASSESSMENT AND
ACCREDITATION COUNCIL



BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY

CERTIFICATE OF PARTICIPATION

This is to Certify that NAVEEN P, from Bharath Institute of Higher Education and Research, has participated in value added course on 'Safety in Construction' presented by **Ms.M.HEMAPRIYA, Assistant Professor**, Organized by School of Civil & Infrastructre Engineering, Bharath Institute of Science & Technology, BIHER from 10.09.2018 To 10.10.2018.

Coordinator

HOD
Head of the Department
Department of Civil Engineering
Bharath Institute of Higher Education & Research
(Declared as Deemed to be University U/S 3 of U
Selaiyur, Chennai-600 673



Bharath

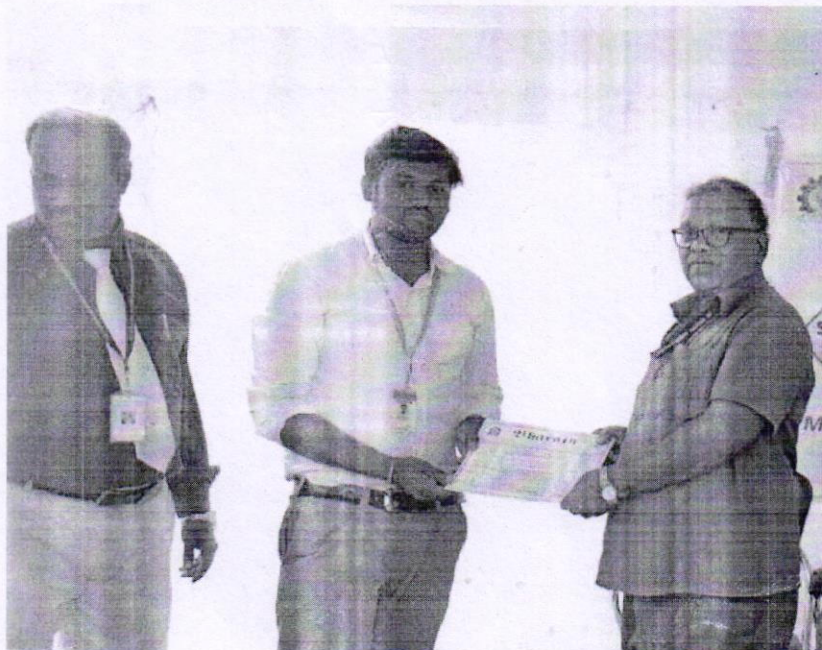
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SCHOOL OF CIVIL INFRASTRUCTURE ENGINEERING

VALUE ADDED COURSE – SAFETY IN CONSTRUCTION

Date: 10.09.2018

Year/Sem: III /V



Head of the Department
Department of Civil Engineering
Bharath Institute of Higher Education & Research
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Sembur, Chennai-600 073. INDIA

On-line Feedback

Value added course on Safety in Construction

Sl.NO	Email Address	Name	Reg number	Institute	Designation *	Phone Number	Rating for the session (1 to 5)	Feedback *
1	Rajkumarnourjeet@gmail.com	RAJKUMAR NOURJEET	U16CE046	Bharath Institute of higher education and research	Student	9436666744	5	It's great to learn new staffs. thank you
2	Koushik.mounik@gmail.com	KURAPATI KOUSHIK REDDY .	U16CE047	Bharath Institute of higher education and research	Student	9849325900	5	Good
3	sorosid@gmail.com	SIDDARTH SOROKHAIBAM	U16CE048	Bharath Institute of higher education and research	Student	6369128895	4	Very good
4	Rifaikhan220@gmail.com	MOHAMED RIFAI R	U16CE049	Bharath Institute of higher education and research	Student	969896679	5	nice presentation almost covered all topics related to this subject. thank you
5	nirmallprasath86@gmail.com	NIRMALLPRASATH G	U16CE050	Bharath Institute of higher education and research	Student	9629263500	3	The software that is available in a variety
6	abdulrawoof96@gmail.com	ABDUL RAWOOF R	U16CE051	Bharath Institute of higher education and research	Student	8681870639	4	Good session
7	Sarath.sakthi07@gmail.com	SAKTHIPRIYAN D	U16CE052	Bharath Institute of higher education and research	Student	9789955331	4	good
8	godspeed5173@gmail.com	NITHYANANDAM S	U16CE054	Bharath Institute of higher education and research	Student	6374506633	5	Very informative video
9	akash.veeriah@gmail.com	VEERIAH R	U16CE502	Bharath Institute of higher education and research	Student	9600514757	5	It was well efficient to know in detail.
10	naveenkariem1997@gmail.com	NAVEEN P	U16CE503	Bharath Institute of higher education and research	Student	9444777214	4	The session was very good
11	deebaksharma@gmail.com	DEEBAK M	U16CE504	Bharath Institute of higher education and research	Student	9003815527	4	Good
12	narenaresh1233@gmail.com	NARANDHARAN S	U16CE505	Bharath Institute of higher education and research	Student	7092794492	4	Nice
13	ny07benz@gmail.com	NAYAN KUNTAL SONOWAL	U16CE506	Bharath Institute of higher education and research	Student	7636081562	1	Very good
14	johnmehalan14@gmail.com	JOHN MEHALAN	U16CE507	Bharath Institute of higher education and research	Student	9940848689	4	Good
15	loganathangunasekaran98@gmail.com	LOGANATHAN G	U16CE508	Bharath Institute of higher education and research	Student	8940379544	5	Excellent

On-line Feedback


Value added course on Safety in Construction

Sl.NO	Email Address	Name	Reg number	Institute	Designation *	Phone Number	Rating for the session (1 to 5)	Feedback *
16	ciazarun6999@gmail.com	ARUN KUMAR V	U16CE509	Bharath Institute of higher education and research	Student	8870346999	4	Well organised session
17	mukeshkumarjan06@gmail.com	A.MUKESH KUMAR	U16CE510	Bharath Institute of higher education and research	Student	7550250682	1	The session was pretty good, and I've gotta listened clearly, It was incredibled
18	nasavenkatesh4659@gmail.com	VENKATESH S	U16CE701	Bharath Institute of higher education and research	Student	8681800997	4	Very good
19	mohamedjassim4311@gmail.com	MOHAMED JASSIM J	U16CE702	Bharath Institute of higher education and research	Student	8056801356	5	Excellent webinar that i have never seen.
20	Karthikjijo43@gmail.com	KARTHIK J	U16CE703	Bharath Institute of higher education and research	Student	8348510923	3	Good explanation
21	jagancivil9749@gmail.com	JAGAN D	U16CE704	Bharath Institute of higher education and research	Student	9499965215	5	good
22	tharuntboo@gmail.com	VINOTHKUMAR C	U16CE705	Bharath Institute of higher education and research	Student	8248415167	5	good
23	vijayaravind54@gmail.com	VIJAY ARAVIND P	U16CE706	Bharath Institute of higher education and research	Student	9787066565	5	Very much informative session.
24	Pariventhan97@gmail.com	PARI D	U16CE707	Bharath Institute of higher education and research	Student	9080376047	5	Good
25	k.pa1.pavan@gmail.com	KURIMISSETTY PAVAN KUMAR .	U16CE708	Bharath Institute of higher education and research	Student	8008622796	3	Over all session was use full nd filled with contents
26	avineshriaz8124@gmail.com	AVINESH E	U16CE709	Bharath Institute of higher education and research	Student	7478460015	5	Good
27	Horjumamoamo@gmail.com	HORJUM AMO	U16CE710	Bharath Institute of higher education and research	Student	7358032507	5	Good
28	Sujith20.7299@gmail.com	SUJITHKUMAR V	U16CE711	Bharath Institute of higher education and research	Student	6382745323	4	It was very helpful
29	Mohanreddy.g555@gmail.com	GURRAM MOHAN	U16CE712	Bharath Institute of higher education and research	Student	7729892421	4	Good
30	senthil14111996@gmail.com	SENTHILKUMAR P	U16CE713	Bharath Institute of higher education and research	Student	9626270532	5	Good

On-line Feedback

Value added course on Safety in Construction

Sl.NO	Email Address	Name	Reg number	Institute	Designation *	Phone Number	Rating for the session (1 to 5)	Feedback *
31	saketvar111@gmail.com	MEESALA SAKETH	U16CE714	Bharath Institute of higher education and research	Student	7287821202	4	Good
32	sucyvia.1306@gmail.com	SUCYVIA DKHAR	U16CE715	Bharath Institute of higher education and research	Student	9366082771	5	Very informative and useful
33	pjaya7468@gmail.com	JAYA PRASANTH R	U16CE716	Bharath Institute of higher education and research	Student	9791385239	5	Good
34	santhoshsubramaniam27@gmail.com	SANTHOSH E S	U16CE717	Bharath Institute of higher education and research	Student	9789474472	4	Good
35	nirajsingh021995@gmail.com	NIRAJ SINGH	U16CE718	Bharath Institute of higher education and research	Student	9612071692	3	Good
35	adhithiyan6396@gmail.com	ADHITHIYAN A	U16CE719	Bharath Institute of higher education and research	Student	9159396760	3	Good


Head of the Department
Department of Civil Engineering
Bharath Institute of Higher Education & Research
(Declared as Deemed to be University U/S 3 of UGL Act, 1956)
Selaiyur, Chennai-600 073, INDIA



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BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY

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

Ref: BIHER/BIST/Civil//Spl/2018

Date: 03/10/2018

From

Mrs. K.Anitha,

Department of Civil Engineering,

BIHER

To

The HOD

Department of Civil Engineering,

BIHER

Respected Sir

Sub – Permission to conduct value added course – reg.

I wish to inform you that, as it is decided to conduct the value added courses to supplement the curriculum to make students better prepared to meet industry demands as well as develop their own interests and aptitudes. The eligibility of this course is open for UG students from department of civil engineering. So please permit us to conduct the value added course on Basic Construction Materials which is starting from 15/10/2018 to 16/11/2018.

Thanking you.

HOD
Head of the Department
Department of Civil Engineering
Bharath Institute of Higher Education & Research
(Declared as Deemed to be University U/S 3 of UGC Act, 1956)
Selaiyur, Chennai-600 073. INDIA



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BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY

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

Ref: BIHER/BIST/Civil//Spl/2018

Date: 05/10/2018

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 Basic Construction Materials with the duration of 30 hours (Two hour per day) and commences from 15/10/2018 to 16/11/2018.

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:

K.Anitha

Associate Professor / School of Civil and Infrastructure Engineering.,

Course Coordinator

Bharath Institute of Higher Education & Research.

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

HOD
Head of the Department
Department of Civil Engineering
Bharath Institute of Higher Education & Research
(Declared as Deemed to be University U/S 3 of UGC Act 1956)
Selaiyur, Chennai-600 073. T.N

SCHOOL OF CIVIL & INFRASTRUCTURE ENGINEERING
VALUE ADDED COURSE
BASIC CONSTRUCTION MATERIALS
STUDENTS NAME LIST

Sl.NO	Reg No	Name of the students	E-Mail ID
1	U17CE002	M.Vikash	vikashmathi2012@gmail.com
2	U17CE003	Aishwarya .C	cbaish18@gmail.com
3	U17CE005	Kallam Venkata Reddy	venk4147@gmail.com
4	U17CE006	Roshan Nilling Guha	rosannilling@gmail.com
5	U17CE007	Dilip Kumar .G	Dilipramya1406@Gmail.com
6	U17CE008	Larry Lalnunzira	larryziras@gmail.com
7	U17CE009	Praveen Kumar .S	praveenvictory505@gmail.com
8	U17CE010	Mathavan .S	maddyaustin316@gmail.com
9	U17CE011	Deepak Kumar .N	littledeepak46@gmail.com
10	U17CE012	D.Mullaivendhan	mullaivendhan949@gmail.com
11	U17CE013	Reghakumar Muithukumar	kumarraghav333@gmail.com
12	U17CE014	Tajammul Afroz	tajammulafroz@gmail.com
13	U17CE015	Kesava Ranganath	keshavkhan1999@gmail.com
14	U17CE017	Kishore .G	Kishorgkv30@gmail.com
15	U17CE018	Rubesh .V	rubeshragul17@gmail.com
16	U17CE019	Jaikishen .S	jaikishen91@gmail.com
17	U17CE021	Talasu Pavan Maneesh	pavanmaneesh.talasu@gmail.com
18	U17CE022	Sayatuneni Prasanna Kumar	sayapaneni69@gmail.com
19	U17CE023	Kundepi Pawan Sai Gopal	kpsgopal2000@gmail.com
20	U17CE024	Konjengbam Shyam Singh	kshyam2791@gmail.com
21	U17CE025	Chintalaakhil Krishna	chintalabrothers11@gmail.com

Value Added Course
Basic Construction Materials

Content of Syllabus

S.No.	Syllabus Details	No. of Lecture hrs	Time	Date	Lecturer name
1	Stone as building material Deterioration and Preservation of stone work	2	10.00 – 12.00 am	15/10/2018	K.Anitha
2	Tests on bricks includes Compressive Strength ,Water Absorption,Efflorescence Bricks for special use	2	10.00 – 12.00 am	17/10/2018	K.Anitha
3	Lightweight concrete blocks.	2	10.00 – 12.00 am	19/10/2018	K.Anitha
4	Types and Grades Properties of cement and Cement mortar	2	10.00 – 12.00 am	22/10/2018	K.Anitha
5	Various tests methods Compressive strength , Tensile strength ,Fineness,Soundness and consistency	2	10.00 – 12.00 am	24/10/2018	K.Anitha
6	coarse Aggregates , Crushing strength,Impact strength, Flakiness Index,Elongation Index ,Abrasion Resistance Grading	2	10.00 – 12.00 am	26/10/2018	K.Anitha
7	Timber Market forms ,Industrial timber, Plywood, Veneer, Thermocol, Panels of laminates	2	10.00 – 12.00 am	29/10/2018	K.Anitha
8	Steel ,Aluminum and Other Metallic Materials, Composition, Aluminium, composite panel	2	10.00 – 12.00 am	31/10/2018	K.Anitha
9	Mechanical treatment, Paints ,Varnishes,Distempers, Bitumens	2	10.00 – 12.00 am	02/11/2018	K.Anitha
10	Glass,Ceramics,Sealants for joints,Fibre glass reinforced plastic,Clay products	2	10.00 – 12.00 am	05/11/2018	K.Anitha

11	Refractories, Composite materials, Types, Applications of laminar composites	2	10.00 – 12.00 am	07/11/2018	K.Anitha
12	Applications of laminar composites, Fibre textiles, Geomembranes and Geotextiles for earth reinforcement.	2	10.00 – 12.00 am	09/11/2018	K.Anitha
13	Fibre glass reinforced plastic, Clay products	2	10.00 – 12.00 am	12/11/2018	K.Anitha
14	Plywood, Veneer, Thermocol, Panels of laminates	2	10.00 – 12.00 am	14/11/2018	K.Anitha
15	Lime – Preparation of lime mortar – Cement – Ingredients – Manufacturing process	2	10.00 – 12.00 am	16/11/2018	K.Anitha



Head of the Department
Department of Civil Engineering
Bharath Institute of Higher Education & Research
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22	U17CE026	Muthuru Ashok Kumar Reddy	ashokkreddy8264@gmail.com
23	U17CE027	Varikutti Ayappa	manirockzz371@gmail.com
24	U17CE028	Gabe Teja Sai Reddy	gadetejasaireddy@gmail.com
25	U17CE029	Chintalapudi Naga Murali Krishna	chinthalapudimuralikrishna5@gmail.com
26	U17CE030	Nishanth Raj .K	nishanthvijay62@gmail.com
27	U17CE031	Gadaewar Sai Pranay	saipranay4181@gmail.com
28	U17CE032	Raghavareddy Prasanth Reddy	rp7842197222@gmail.com
29	U17CE033	Chilaka Sathish Reddy	chilakasathish664@gmail.com
30	U17CE035	Jayant Chodhary	choudharyjayant689@gmail.com
31	U17CE037	Sriram P.A.	sriramchennai2@gmail.com
32	U17CE038	Kommuru Anil Reddy	kommuruamil1998@gmail.com
33	U17CE039	Vikram Kumar .A	crvikramkumar99@gmail.com
34	U17CE040	Shaik Iliyas	iliyasuddin26@gmail.com
35	U17CE041	Mohammed Ehteshyamuddin	ehteshyamudfin@gmail.com
36	U17CE042	Mohammed Ehteshyamuddin	ehteshyamudfin@gmail.com
37	U17CE043	Kakarla Rama Naidu	ramlaxmankakarla173137@gmail.com
38	U17CE045	Illuri Jaya Venkata Siva Sai Kumar	saikumarilluri222@gmail.com
39	U17CE046	Palavelli Sasi Kumar Reddy	sasikumarreddy14@gmail.com
40	U17CE047	Moola Hanumantha Reddy	hhanumanthareddym2000@gmail.com



Head of the Department
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Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

Topic: Basic Construction Materials

Type of Course: value added course/

School of Civil and infrastructure Engineering

Pre-Requisites: Basic Civil Engineering

Course Duration: 30 hours (15 October 2018 to 16 November 2018)

Intended Audience: School of Civil and infrastructure Engineering Students

Industries Applicable To: All companies that deal with the Civil Engineering development

Coordinator: K.Anitha

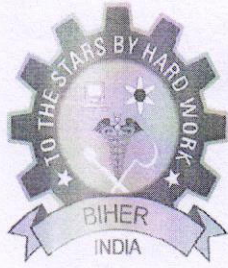
Objective:

- a) Identify the various types of concretes and their constituents and properties.
- b) Identify the various types of metals, their properties and applications.
- c) Identify the various composite materials, their properties and applications.
- d) Understand the concept of water-proofing and identify the purpose of flooring and façade materials.
- e) Design and develop smart intelligent buildings.

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VALUE ADDED COURSE
BASIC CONSTRUCTION MATERIALS
COURSE OUTLINE

This course will help students learn about the fundamentals of materials science including the formation of chemical bonds, the properties of the states of matter, the development and the basic characteristics of the structure of materials, phase diagrams, concepts of rheology, mechanical behavior and simple failure models, deterministic and stochastic fracture mechanics, and the treatment of composites. The construction materials treated in the course will include bricks and stone, metals and alloys, wood and wood products, concrete and other cement-based materials, and asphalt. In recognizing the good materials to be used for the construction work and also in investigation of soil condition, Deciding and design of suitable foundation for different structures. In supervision of different types of masonry. In selection of materials, design and supervision of suitable type of floor and roof. To gain knowledge about doors, windows, plastering, painting, damp proofing, scaffolding, shoring, underpinning and to take suitable engineering measures.



Bharath

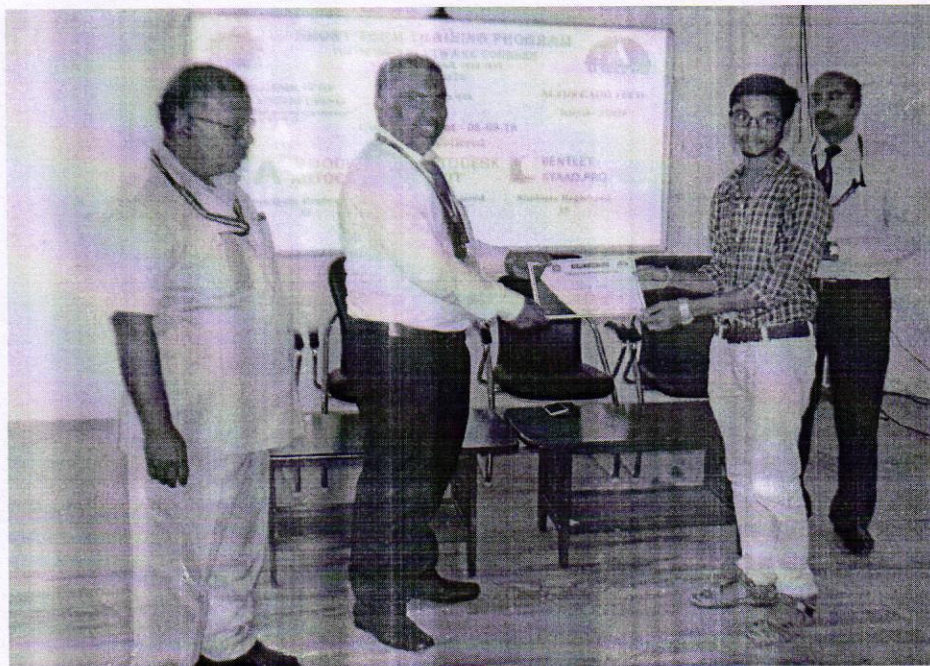
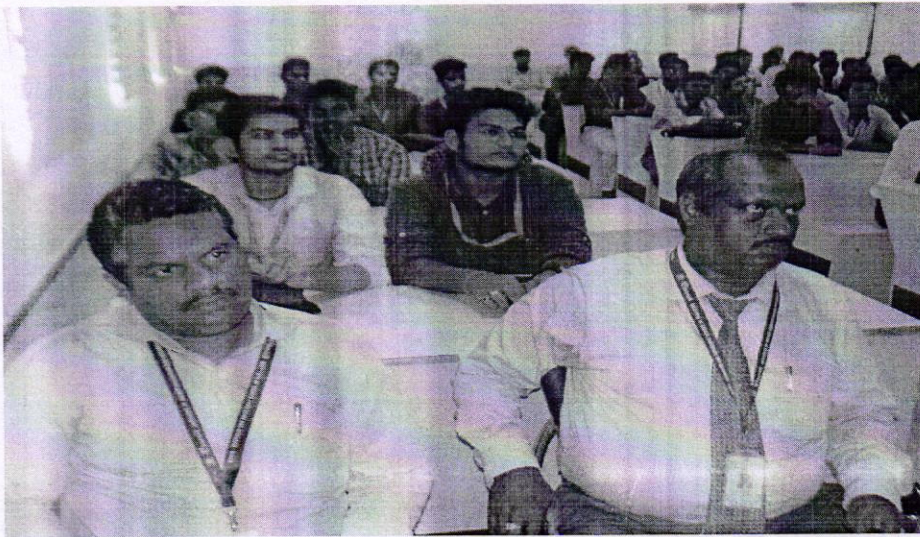
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SCHOOL OF CIVIL & INFRASTRUCTURE ENGINEERING

VALUE ADDED COURSE

BASIC CONSTRUCTION MATERIALS



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Department of Civil Engineering
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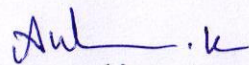
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ACCREDITATION COUNCIL



BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY

CERTIFICATE OF PARTICIPATION

This is to Certify that VIKRAM KUMAR-A, from Bharath Institute of Higher Education and Research, has participated in value added course on '**Basic Construction Material**' presented by **K.Anitha, Assistant Professor**, Organized by School of Civil & Infrastructre Engineering, BIHER from 15.10.2018 To 16.11.2018.


Coordinator



HOD

Head of the Department
Department of Civil Engineering
Bharath Institute of Higher Education & Research
(Declared as Deemed to be University U/S 3 of UGC Act, 1956)
Selaiyur, Chennai-600 073. INDIA

VALUE ADDED COURSE

Feedback Form

Event Name: Basic Construction Materials

Event Venue: Date: BIHER, 16/11/2018

Name of participant: Seeram P A

1. How useful did you think this event was for you?

(Please circle the appropriate number where 1 = not at all useful and 5 = extremely useful)

1	2	3	4	5
---	---	---	---	---

2. Value added course is useful and well organized.

YES	NO
-----	----

3. Did you receive all the information you required at this Venue?

YES	NO
-----	----

4. Would you like to attend any further Training Courses VAC

YES	NO
-----	----



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BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY

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

Ref: BIHER/BIST/Civil//Spl/2019

Date: 02/01/2019

From
Ms.S.Thendral,
Department of Civil Engineering,
BIHER

To
The HOD
Department of Civil Engineering,
BIHER

Respected Sir

Sub – Permission to conduct value added course – reg.

I wish to inform you that, as it is decided to conduct the value added courses to supplement the curriculum to make students better prepared to meet industry demands as well as develop their own interests and aptitudes. The eligibility of this course is open for UG students from department of civil engineering. So please permit us to conduct the value added course on Characterization of Construction Materials which is starting from 21/01/2019 to 04.02.2019.

Thanking you.

HOD
Head of the Department
Department of Civil Engineering
Bharath Institute of Higher Education & Research
(Declared as Deemed to be University U/S 3 of UGC Act 1956)
Selaiyur, Chennai-600 073. INDIA



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//Jan/2019

Date: 03/01/2019

CIRCULAR

The School of Civil and Infrastructure Engineering is planned to conduct a Value Added Course on Characterization of Construction Materials for the benefit of B.Tech students. This value added course commences from **21/01/2019** to **04.02.2019** with the duration of 38 hours (Two hour per day).

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.

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:

Ms.S.THENDRAL

Assistant Professor / School of Civil & Infrastructure Engineering,

Course Coordinator

Bharath Institute of Higher Education & Research.

Email id: thendral.cscivil@bharathuniv.ac.in

HOD

Head of the Department
Department of Civil Engineering
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BHARATH INSTITUTE OF HIGHER EDUCATION & RESEARCH
SCHOOL OF CIVIL AND INFRASTRUCTURE ENGINEERING
LIST OF THE STUDENTS

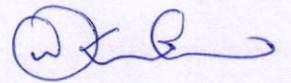
Sl.NO	Reg No	Name of the students	Email id	Contacts Number
1	U17CE071	MOGILI SRIKANTH	srikanthmogili0@gmail.com	9600052027
2	U17CE072	BHUKYA VENKATA NARASIMMA	venkatbhukya0456@gmail.com	9848550456
3	U17CE074	DHARASAN .K	dharasansweni16@gmail.com	7708581626
4	U17CE075	NIMMAKAYALA SURYAVAMSI REDDY	suryavamsireddy000@gmail.com	7780296604
5	U17CE076	KARRA ANAND RAVI TEJA	anandraviteji7@gmail.com	9618884649
6	U17CE077	KATTERAPALLI RAM MOHAN REDDY	ramureddy80084@gmail.com	8096798483
7	U17CE079	FAMOUSSTAR MANIK SYIEMLIEH	fsyiemlieh2@gmail.com	6382983568
8	U17CE080	CHINTHAM DINESH YADHAVU	chinthamdinesh143@gmail.com	6301926433
9	U17CE081	KATARU SAI KISHORE	saikishorenaidu888@gmail.com	9182814262
10	U17CE082	VEGINATI PAVAN KUMAR	pavanveginati143@gmail.com	6281916177
11	U17CE084	JASANTA LOKTONGBAM	Jasantaloktongbam1997@gmail.co	8837447621
12	U17CE085	MOHAMMED YUSUF .A	yusuffyuhana@gamil.com	9360172326
13	U17CE086	MUHAMMAD FARHAAN SHAREEFF Y.S	farhaanshareeff1999@gmail.com	8838159947
14	U17CE087	PEMCHAND KHWAIRAKPAM	premkhwairakpamcoool@gmail.c	7005828091
15	U17CE088	ADARSHON MARUWEIN	adhmar89@gmail.com	9600083712
16	U17CE089	NIHI OO CHALLAM	challamnihioo@gmail.com	8257854837
17	U17CE090	SHELJIN DHAS .H	sheljin007@gmail.com	8056235392
18	U17CE091	KHUNDRAKPAM ISHWORLAL	Khundrakpamishworlal@gmail.co	8794271910
19	U17CE094	PAVITHRANS .R	pavitharan143@gmail.com	9080564777
20	U17CE095	GOBBAKA SAI KIRAN	saikirangobbaka123@gmail.com	7674086461
21	U17CE096	NARESH .P	rockeynaresh001@gmail.com	8678961013
22	U17CE097	SANTHOSH .R	santhoshappu202@gmail.com	9543836104
23	U17CE099	KOREETHA MANIKANTA	maninani5678@gmail.com	9182365642
24	U17CE100	IROM ROSHAN KUMAR	blacksabbathirom@gmail.com	9366323457
25	U17CE101	BANDI SRIKANTH	srikanthbandi@gmail.com	7730009698
26	U17CE102	ANANDHU SATHYAN	sathyananandhu1@gmail.com	9840710259
27	U17CE103	CHAMMANDI SAIJAYANTHI	Saijayanthreddy1121@gmail.com	8639351859
28	U17CE105	MUHAMMAD NAZRUL ISLAM	ni1982490@gmail.com	7085994985
29	U17CE118	BOJJAM SAKETH KUMAR	sakethkumar.bojjam@gmail.com	9025726162
30	U17CE711	SONAM DORJEE	Sonamdorjee2906@gmail.com	7358038733

Value Added Course
Characterization of Construction Materials

Content of Syllabus

S.No.	Syllabus Details	No. of Lecture Hours	Date	Time	Lecture Name
1.	Structural Construction Materials	2 hrs	21.01.2019	3 Pm To 5 pm	Ms.S. Thendral
2.	Characterization of Coatings for cellulose base materials	2 hrs	22.01.2019	3 Pm To 5 pm	Ms.S. Thendral
3.	Wood cell structure and chemical composition	2 hrs	23.1.2019	3 Pm To 5 pm	Ms.S. Thendral
4.	Larix decidua and Pinus sylvestris characteristics	2 hrs	24.01.19	3 Pm To 5 pm.	Ms.S. Thendral
5.	Wood properties	2 hrs	25.1.2019	3 Pm To 5 pm	Ms.S. Thendral
6.	The wood-water relationship and dimensional stability	2 hrs	28.01.2019	3 Pm To 5 pm	Ms.S. Thendral
7.	Wood degradation	2 hrs	29.01.2019	3 Pm To 5 pm	Ms.S. Thendral
8.	Wood and weathering	2 hrs	30.1.2019	3 Pm To 5 pm	Ms.S. Thendral
9.	Wood modification: treatments for the improvement of wood properties	2 hrs	31.9.2019	3 Pm To 5 pm	Ms.S. Thendral
10.	Wood modification with alkoxy silanes	2 hrs	1.2.2019	3 Pm To 5 pm	Ms.S. Thendral
11.	Sol-gel deposition of alkoxy silane coatings	2 hrs	4.2.2019	3 Pm To 5 pm	Ms.S. Thendral
12.	2 Dip coating process	2 hrs	5.2.2019	3 Pm To 5 pm	Ms.S. Thendral
13.	Fluorinated and Phenyl	2 hrs	6.2.2019	3 Pm To	Ms.S. Thendral

	functionalized coatings: a comparison			5 pm	
14.	Biological tests	2 hrs	7.2.2019	3 Pm To 5 pm	Ms.S. Thendral
15.	Leaching and biological test	2 hrs	8.2.2019	3 Pm To 5 pm	Ms.S. Thendral
16.	NMR Study of Polyamidoamines PAAs (patent)	2 hrs	11.2.2019	3 Pm To 5 pm	Ms.S. Thendral
17.	Solid State NMR characterization of Cement base materials	2 hrs	12.2.2019	3 Pm To 5 pm	Ms.S. Thendral
18.	Modern cement pastes formulations	2 hrs	13.2.2019	3 Pm To 5 pm	Ms.S. Thendral
19.	Superplasticizer composition and mechanism of action	2 hrs	14.2.2019	3 Pm To 5 pm	Ms.S. Thendral



HOD CIVIL
Head of the Department
Department of Civil Engineering
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Chennai - 600 075, India



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Topic: Characterization of Construction Materials

Type of Course: value added course

Department: School of Civil and infrastructure Engineering

Pre-Requisites: Basic Civil Engineering

Course Duration: 38 hours (21.1.2019)

Intended Audience: Civil Engineering Students

Industries Applicable To: Cement Companies, Concrete Producers, Construction Chemical manufactures, Construction companies

Coordinators: Ms S.Thendral & Mr. S. Rajesh

Objective:


- ❖ To understand various conventional construction materials, properties and their uses.
- ❖ Describe various latest and modern construction materials, properties and their uses
- ❖ To understand the general construction processes and their sequences
- ❖ To know the understand the various techniques which are useful for the substructures construction.

COURSE OUTLINE:

The objective of the course is to introduce students to the characterization of construction materials and their behaviour, with a view of developing their understanding of the mechanisms that govern the performance of these materials. The course will be focused primarily on cement and concrete, and include a few techniques; the physics of the techniques and their application to cement science. Lab demonstrations and experiments will be covered.

The course will cover the fundamentals of materials science including the formation of chemical bonds, the properties of the states of matter, the development and the basic characteristics of the structure of materials, phase diagrams, concepts of theology, mechanical behavior and simple failure models, deterministic and stochastic fracture mechanics, and the treatment of composites. The construction materials treated in the course will include bricks and stone, metals and alloys, wood and wood products, concrete and other cement-based materials, and asphalt.

After receiving an introduction into fundamental principles of structural, physical and long term performance, students less about materials and product manufacturing techniques how to they relate to mechanical and non mechanical properties of the various materials.


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DEEMED-TO-BE UNIVERSITY



A NAAC
GRADE
NATIONAL ASSESSMENT AND
ACCREDITATION COUNCIL



BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY

CERTIFICATE OF participation

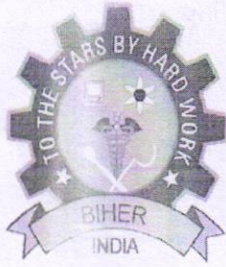
This is to Certify that MOGILI SRIKANTH, from Bharath Institute of Higher Education and Research, has participated in value added course on '**Characterization of Construction Materials**' presented by **Ms.THENDRAL. S, Assistant Professor**, Organized by School of Civil & Infrastructure Engineering, Bharath Institute of Science & Technology, BIHER from 21.01.2019 To 14.2.2019.


Coordinator


Co-Coordinator


HOD

Head of the Department
Department of Civil Engineering
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SCHOOL OF CIVIL AND INFRASTRUCTURE ENGINEERING

VALUE ADDED COURSE - Characterization of Construction Materials

Date: 21.09.2019

Year/Sem: III /VI




Head of the Department
Department of Civil Engineering
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Chennai-600 073, INDIA

Online Feedback

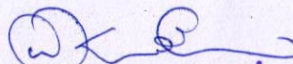
Value added course on Characterization of Construction Materials

Sl.NO	Email Address	Name	Reg number	Institute	Designation *	Phone Number	Rating for the session (1 to 5)	Feedback *
1	srikanthmogili0@gmail.com	MOGILI SRIKANTH	U17CE071	Bharath Institute of higher education and research	Student	9600052027	5	It's great to learn new stuffs. thank you
2	venkatbhukya0456@gmail.com	BHUKYA VENKATA NARASI	U17CE072	Bharath Institute of higher education and research	Student	9848550456	5	Good
3	dharasansweni16@gmail.com	DHARASAN .K	U17CE074	Bharath Institute of higher education and research	Student	7708581626	4	Very good
4	suryavamsireddy000@gmail.com	NIMMAKAYALA SURYAVAN	U17CE075	Bharath Institute of higher education and research	Student	7780296604	5	nice presentation almost covered all topics related to
5	anandraviteji7@gmail.com	KARRA ANAND RAVI TEJA	U17CE076	Bharath Institute of higher education and research	Student	9618884649	3	The software that is available in a variety
6	ramureddy80084@gmail.com	KATTERAPALLI RAM MOHA	U17CE077	Bharath Institute of higher education and research	Student	8096798483	4	Good session
7	fsyiemlieh2@gmail.com	FAMOUSSTAR MANIK SYIEM	U17CE079	Bharath Institute of higher education and research	Student	6382983568	4	good
8	chinthamdinesh143@gmail.com	CHINTHAM DINESH YADHA	U17CE080	Bharath Institute of higher education and research	Student	6301926433	5	Very informative video
9	saikishorenaidu888@gmail.com	KATARU SAI KISHORE	U17CE081	Bharath Institute of higher education and research	Student	9182814262	5	It was well efficient to know in detail.
10	pavanveginati143@gmail.com	VEGINATI PAVAN KUMAR	U17CE082	Bharath Institute of higher education and research	Student	6281916177	4	The session was very good
11	Jasantaloktongbam1997@gmail.com	JASANTA LOKTONGBAM	U17CE084	Bharath Institute of higher education and research	Student	8837447621	4	Good
12	yusuffyuhana@gamil.com	MOHAMMED YUSUF .A	U17CE085	Bharath Institute of higher education and research	Student	9360172326	4	Nice
13	farhaanshareeff1999@gmail.com	MUHAMMAD FARHAAN SHA	U17CE086	Bharath Institute of higher education and research	Student	8838159947	1	Very good
14	premkhwairakpamcoool@gmail.com	PEMCHAND KHWAIRAKPAM	U17CE087	Bharath Institute of higher education and research	Student	7005828091	4	Good
15	adlmar89@gmail.com	ADARSHON MARUWEIN	U17CE088	Bharath Institute of higher education and research	Student	9600083712	5	Excellent
16	challamnihoo@gmail.com	NIHI OO CHALLAM	U17CE089	Bharath Institute of higher education and research	Student	8257854837	5	Well organised courses

Online Feedback

Value added course on Characterization of Construction Materials

SI.NO	Email Address	Name	Reg number	Institute	Designation *	Phone Number	Rating for the session (1 to 5)	Feedback *
17	sheljin007@gmail.com	SHELJIN DHAS .H	U17CE090	Bharath Institute of higher education and research	Student	8056235392	5	The course was pretty good, and I've presentation clearly, It
18	Khundrakpamishworlal@gmail.com	KHUNDRAKPAM ISHWORLA	U17CE091	Bharath Institute of higher education and research	Student	8794271910	4	Very good
19	pavitharan143@gmail.com	PAVITHRANS .R	U17CE094	Bharath Institute of higher education and research	Student	9080564777	5	Excellent course that i have never seen.
20	saikirangobbaka123@gmail.com	GOBBAKA SAI KIRAN	U17CE095	Bharath Institute of higher education and research	Student	7674086461	5	Good explanation
21	rockeynaresh001@gmail.com	NARESH .P	U17CE096	Bharath Institute of higher education and research	Student	8678961013	5	good
22	santhoshappu202@gmail.com	SANTHOSH .R	U17CE097	Bharath Institute of higher education and research	Student	9543836104	5	good
23	maninani5678@gmail.com	KOREETHA MANIKANTA	U17CE099	Bharath Institute of higher education and research	Student	9182365642	5	Very much informative session.
24	blacksabbathirom@gmail.com	IROM ROSHAN KUMAR	U17CE100	Bharath Institute of higher education and research	Student	9366323457	3	Good
25	srikanthbandi@gmail.com	BANDI SRIKANTH	U17CE101	Bharath Institute of higher education and research	Student	7730009698	2	Over all session was use full and filled with contents
26	sathyananandhu1@gmail.com	ANANDHU SATHYAN	U17CE102	Bharath Institute of higher education and research	Student	9840710259	3	Good
27	Saijayanthreddy1121@gmail.com	CHAMMANDI SAIJAYANTHI	U17CE103	Bharath Institute of higher education and research	Student	8639351859	5	Good
28	ni1982490@gmail.com	MUHAMMAD NAZRUL ISLAM	U17CE105	Bharath Institute of higher education and research	Student	7085994985	4	It was very helpful
29	sakethkumar.bojjam@gmail.com	BOJJAM SAKETH KUMAR	U17CE118	Bharath Institute of higher education and research	Student	9025726162	4	Good
30	Sonamdorjee2906@gmail.com	SONAM DORJEE	U17CE711	Bharath Institute of higher education and research	Student	7358038733	5	thank you for the course offers


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