



BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY

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

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

Date: 22/01/2018

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 Civil Engineering, Bharath Institute of Higher Education & Research. The course offered is **Environmental Health Engineering** with the duration of 30 hours (one hour per day) and commences from **01/02/2018**.

Eligibility: Course is open for UG Students of 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.K.Anitha

Assistant 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. INDIA

SCHOOL OF CIVIL AND INFRASTRUCTURE ENGINEERING
VALUE ADDED COURSE
ENVIRONMENTAL HEALTH ENGINEERING
STUDENTS NAME LIST

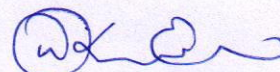
Sl.NO	Reg No	Name Of The Students
1	U17CE002	M. VIKASH
2	U17CE003	AISHWARYA .C
3	U17CE005	KALLAM VENKATA REDDY
4	U17CE006	ROSHAN NILLING GUHA
5	U17CE007	DILIP KUMAR .G
6	U17CE008	LARRY LALNUNZIRA
7	U17CE009	PRAVEEN KUMAR .S
8	U17CE010	MATHAVAN .S
9	U17CE011	DEEPAK KUMAR .N
10	U17CE012	D.MULLAIVENDHAN
11	U17CE013	REGHAKUMAR MUTHUKUMAR
12	U17CE014	TAJAMMUL AFROZ
13	U17CE015	KESAVA RANGANATH
14	U17CE017	KISHORE .G
15	U17CE018	RUBESH .V
16	U17CE019	JAIKISHEN .S
17	U17CE021	TALASU PAVAN MANEESH
18	U17CE022	SAYATUNENI PRASANNA KUMAR
19	U17CE023	KUNDEPI PAWAN SAI GOPAL
20	U17CE024	KONJENGBAM SHYAM SINGH
21	U17CE025	CHINTALAAKHIL KRISHNA
22	U17CE026	MUTHURU ASHOK KUMAR REDDY
23	U17CE027	VARIKUTTI AYAPPA
24	U17CE028	GABE TEJA SAI REDDY
25	U17CE029	CHINTALAPUDI NAGA MURALI KRISHNA
26	U17CE030	NISHANTH RAJ .K
27	U17CE031	GADAEWAR SAI PRANAY
28	U17CE032	RAGHAVAREDDY PRASANTH REDDY
29	U17CE033	CHILAKA SATHISH REDDY
30	U17CE035	JAYANT CHODHARY
31	U17CE037	SRIRAM P.A.
32	U17CE038	KOMMURU ANIL REDDY
33	U17CE039	VIKRAM KUMAR .A
34	U17CE040	SHAIK ILIYAS
35	U17CE041	MOHAMMED EHTESHYAMUDDIN
36	U17CE042	KAKARLA RAMA NAIDU
37	U17CE043	ILLURI JAYA VENKATA SIVA SAI KUMAR
38	U17CE045	PALAVELLI SASI KUMAR REDDY
39	U17CE046	MOOLA HANUMANATHA REDDY
40	U17CE047	YEMI REDDY RAGAVENDRA REDDY
41	U17CE049	MARLAPATI NAVEEN
42	U17CE050	PALAPARTHI NAGARAJU
43	U17CE051	GOLLA DINESH
44	U17CE052	PERIVEMULA CHARITHA
45	U17CE053	M. VENKATA SAI SABAREESH


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Environmental Health Engineering

Content of Syllabus

S.No.	Syllabus Details	No. of Lecture Hours
1	Impact of Development and Water Pollution	1 Hour
2	Ecology and ecosystems Impact of development, land use and natural resource management	1 Hour
3	Cause and effects of environmental pollution.	1 Hour
4	Natural Processes: Pollution due t	1 Hour
5	Industrial, agriculture and municipal wastes	1 Hour
6	Limitation of disposal of dilution.	1 Hour
7	BOD considerations in streams.	1 Hour
8	Water Pollution control legislation.	1 Hour
9	Air and Noise Pollution and Control	1 Hour
10	Pollutants and their sources	1 Hour
11	Effect of pollution of human wealth, vegetation	1 Hour
12	Air pollution control legislation	1 Hour
13	Noise pollution, sources and effects, Control measures.	1 Hour
14	Solid Wastes Management	1 Hour
15	Water Control Sources, Characteristics Quantities	1 Hour
16	Collection methods and disposal techniques Sanitary, landfill	1 Hour
17	-Incineration and pyrolysis,	1 Hour
18	Composting, water borne diseases of mosquitoes, flies, rodents.	1 Hour
19	Rational control and naturalistic methods of control	1 Hour
20	uses and limitations of pesticides	1 Hour
21	Engineering measures of water control.	1 Hour
22	Food & Milk Sanitation	1 Hour
23	Relation of food to disease	1 Hour
24	Principles of food sanitation	1 Hour
25	Sanitation of Kitchen in restaurants and other catering establishments	1 Hour
26	Quality changes in milk	1 Hour
27	Milk as carrier of infection	1 Hour
28	Pasteurization of milk	1 Hour
29	HTST and LTLT processes.	1 Hour
30	Cattle shed sanitation.	1 Hour



HOD/CIVIL

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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: Environmental Health Engineering

Type of Course: value added course / UG

School of Civil and Infrastructure Engineering

Pre-Requisites: Environmental Engineering

Course Duration: 30 hours (01 Feb' 18)

Intended Audience: Civil Engineering Students

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

Coordinators: Ms.K.Anitha

Objective:

- a) To learn about the air pollutants, sources and its effects.
- b) To have a clear understanding on the air quality standards and its techniques.
- c) To determine the fluid resistance for organic materials.
- d) To find the Properties of air pollution and its control measures.
- e) To learn about the effects and the sources of noise pollution.

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Environmental Health Engineering Course outline:

Pollution is the contamination, harm, or disruption of the natural environment through the emissions of harmful substances. Pollution is most typically associated with anthropogenic sources but can also occur from natural activity, such as volcanic eruptions. Pollution can impact air, water, and land. Pollutants include domestic, industrial, and agricultural waste. It comes in many different forms and can be chemical substances or noise, heat, or light. Pollution can be either point source or nonpoint source. Point source is a specific and easily identifiable source of pollution, such as a factory or power plant. Nonpoint sources consist of many small, distributed sources of a pollutant that are difficult to individually identify and on their own may not be that harmful but in aggregate are significant sources of pollution. A classic example of nonpoint source would be soap detergents, fertilizers, and other commonly used chemicals and products from many residences and businesses that then contaminate watersheds with high levels of nitrogen. Nonpoint sources tend to be more complex to regulate for pollution emissions. Pollution is not just toxic substances; it can be pollutants that are actually part of a healthful ecosystem in the proper quantities, such as nitrogen or carbon dioxide, but that in excessive quantities alter the normal functioning of an ecosystem resulting in harm to the ecosystem. Pollution can range from highly dangerous radioactive materials to airborne dust (a substance that is typically benign) resulting from land erosion. Air pollution, the contamination of the atmosphere by airborne pollutants, is most often related to combustion of fuel from either stationary or mobile sources. Stationary sources include the smoke stacks of factories, power plants, and furnaces or boilers. Mobile sources refer to motor vehicles, aircraft, and other forms of fossil-fuel-based transportation. Paints, chemicals, and aerosol sprays also can pollute the air. Natural sources of air pollution include dust, methane from livestock, volcanic activity, wildfires, and even vegetation.


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VALUE ADDED COURSE

Feedback Form

Event Name: Environmental Health Engineering

Event Venue: Date: 01/02/2018

Name of participant: Jaikishen S

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 ✓
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2. Value added course is useful and well organized.

YES ✓	NO
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3. Did you receive all the information you required at this Venue?

YES ✓	NO
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4. Would you like to attend any further Training Courses VAC

YES ✓	NO
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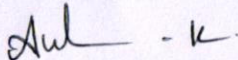
NAAC
NATIONAL ASSESSMENT AND
ACCREDITATION COUNCIL

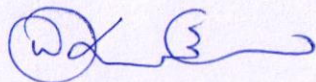


BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY

CERTIFICATE OF PARTICIPATION

This is to Certify that M. VIKASH, Bharath Institute of Higher Education and Research, has participated in value added course on 'Environmental Health Engineering', presented by Ms.K.Anitha, Assistant Professor, School of Civil & Infrastructre Engineering, BIHER, Organized by School of Civil & Infrastructre Engineering, Bharath Institute of Science & Technology, BIHER from 1st Feb 2018 to 1st March 2018.


Coordinator


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SCHOOL OF CIVIL AND INFRASTRUCTURE ENGINEERING

VALUE ADDED COURSE

ENVIRONMENTAL HEALTH ENGINEERING

Date: 01.02.2018

Year/Sem: II /IV



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