

From

Chennai -73

The HOD

1-8-2020

Department of Biomedical Engineering

BIHER

To

The Dean

BIHER

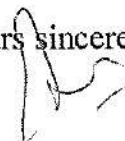
Respected Sir

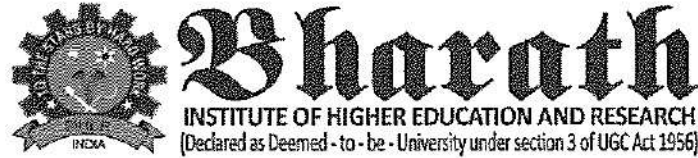
Sub: approval to start a value added course on "Introduction To Health CARE Research" (Online) -reg

It has been planned by the Faculty of Biomedical Engineering to start a Value Added Course on "Introduction to Health and Research" for the benefit of the B.Tech Biomedical Engineering students from 17th August 2020. The duration of the course is 30 hrs . I request you to kindly approve of the same.

Thanking you

Yours sincerely





BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH

Date: 4-08-2020

SCHOOL OF BIOENGINEERING

CIRCULAR

**Notification for Value added courses (online)
offered by the
School of Bioengineering**

The Department of Bio Medical Engineering, School of Bioengineering, is scheduled to offer a Value added Course on **INTRODUCTION TO HEALTH CARE RESEARCH** from 17-08-2020 for a period of 3 weeks. Interested students can approach Mr. VENKATRAMAN, Associate Professor and Course Coordinator, Department of Bio Medical Engineering for registration and for further details on or before 16th August 2020.

Eligibility-II, III and IV B-Tech IBT, GE and BME


Course Coordinator


HOD

Copy to:

Vice Chancellor

Pro Vice Chancellor

Additional Registrar

Deans

CoE

Heads of Departments

BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH
SCHOOL OF BIO-ENGINEERING
DEPARTMENT OF BIO MEDICAL ENGINEERING
VALUE ADDED COURSE ON INTRODUCTION TO HEALTH CARE RESEARCH
2020-2021
COURSE CO-ORDINATOR DETAILS

Faculty Name : Mr. VENKATRAMAN
Designation : Assistant Professor
Department : Biomedical Engineering
Email ID : venkat.biomed@gmail.com
Mobile number : 9176132035

INTRODUCTION TO HEALTH CARE RESEARCH

UNIT I HEALTH & MEDICAL INFORMATICS

Introduction - Structure of Medical Informatics --Internet and Medicine -Security issues ,Computer based medical information retrieval, Hospital management and information system, Functional capabilities of a computerized HIS, e-health services, Health Informatics.

UNIT II COMPUTERISED PATIENT RECORD

Introduction - History taking by computer, Dialogue with the computer, Components and functionality of CPR, Development tools, Intranet.

UNIT III COMPUTERS IN CLINICAL LABORATORY AND MEDICAL IMAGING

Automated clinical laboratories-Automated methods in hematology, cytology and histology, Intelligent Laboratory Information System - Computerized ECG, EEG and EMG,Computer assisted medical imaging.

UNIT IV COMPUTER ASSISTED MEDICAL DECISION-MAKING

Neuro computers and Artificial Neural Networks application, Expert system -- General model of CMD, Computer --assisted decision support system-production rule system cognitive model, semester networks .

UNIT V RECENT TRENDS IN MEDICAL INFORMATICS RESEARCH

Virtual reality applications in medicine, Computer assisted surgery , Surgical simulation ,Telemedicine - Tele surgery computer aids for the handicapped, computer assisted instrumentation in Medical Informatics - Computer assisted patient education and health - Medical education and health care information.

TEXT BOOKS:

1.R.D.Lele Computers in medicine progress in medical informatics, Tata Mcgraw Hill Publishing computers Ltd,2005, New Delhi

2.Mohan Bansal, Medical informatics Tata Mcgraw Hill Publishing computers Ltd, 2003 New Delhi

BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH

SCHOOL OF BIO-ENGINEERING

DEPARTMENT OF BIO MEDICAL ENGINEERING

VALUE ADDED COURSE TIMETABLE

2020-2021

Days / Period	I 9.00 – 9.50	II 9.50 – 10.40	III 10.50 – 11.40	IV 11.40 – 12.30	12.30 – 1.30	V 1.30 – 2.10	VI 2.10 – 2.50	VII 2.50 – 3.30
MON	IHR				LUNCH BREAK	IHR		
TUE	IHR					IHR		
WED								
THU								
FRI								
SAT								

SUBJECT CODE	SUBJECT NAME	STAFF
Theory		
Value added course	Introduction To Health . . . Research	Mr .Venkatraman.

**BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH
SCHOOL OF BIO-ENGINEERING**

DEPARTMENT OF BIO MEDICAL ENGINEERING

VALUE ADDED COURSE

COURSE ON INTRODUCTION TO HEALTH CARE RESEARCH (2020-2021)

Session	Topic	Date	Duration (Hr)	Resource person
Session I	HEALTH & MEDICAL INFORMATICS	17.08.2020	3	Dr.F.Emerson Solomon
Session II	HEALTH & MEDICAL INFORMATICS	17.08.2020	3	Dr.R.Vasuki
Session III	COMPUTERISED PATIENT RECORD	18.08.2020	4	Ms.S.Geetha
Session IV	COMPUTERISED PATIENT RECORD	18.08.2020	3	Mr.Sundarraaj
Session V	COMPUTERS IN CLINICAL LABORATORY AND MEDICAL IMAGING	24.08.2020	3	Dr.F.Emerson Solomon
Session VI	COMPUTERS IN CLINICAL LABORATORY AND MEDICAL IMAGING	24.08.2020	4	Mr.Sundarraaj
Session VII	COMPUTER ASSISTED MEDICAL DECISION-MAKING	25.08.2020	3	Ms.S.Geetha
Session VIII	COMPUTER ASSISTED MEDICAL DECISION-MAKING	25.08.2020	3	Mr.Venkatraman
Session IX	RECENT TRENDS IN MEDICAL INFORMATICS RESEARCH	1.09.2020	4	Ms.S.Geetha

BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH
SCHOOL OF BIO-ENGINEERING
DEPARTMENT OF BIO MEDICAL ENGINEERING
VALUE ADDED COURSE
COURSE ON INTRODUCTION TO HEALTH CARE RESEARCH (2020-2021)

ChapName	Name	Sno
Topic	Sub Topic	Duration
UNIT I HEALTH & MEDICAL INFORMATICS	Introduction - Structure of Medical Informatics	1 hour
UNIT I HEALTH & MEDICAL INFORMATICS	Internet and Medicine	1 hour
UNIT I HEALTH & MEDICAL INFORMATICS	Security issues ,Computer based medical information retrieval	1 hour
UNIT I HEALTH & MEDICAL INFORMATICS	Hospital management and information system	1 hour
UNIT I HEALTH & MEDICAL INFORMATICS	Functional capabilities of a computerized HIS	1 hour
UNIT I HEALTH & MEDICAL INFORMATICS	e-health services, Health Informatics	1 hour
UNIT II COMPUTERISED PATIENT RECORD	Introduction - History taking by computer	1 hour
UNIT II COMPUTERISED PATIENT RECORD	Dialogue with the computer	1 hour
UNIT II COMPUTERISED PATIENT RECORD	Components and functionality of CPR	1 hour
UNIT II COMPUTERISED PATIENT RECORD	Components and functionality of CPR	1 hour
UNIT II COMPUTERISED PATIENT RECORD	Development tools, Intranet	1 hour
UNIT II COMPUTERISED PATIENT RECORD	Development tools, Intranet	1 hour
UNIT III COMPUTERS IN CLINICAL LABORATORY AND MEDICAL IMAGING	Automated clinical laboratories	1 hour
UNIT III COMPUTERS IN CLINICAL LABORATORY AND MEDICAL IMAGING	Automated methods in haematology	1 hour
UNIT III COMPUTERS IN CLINICAL LABORATORY AND MEDICAL IMAGING	cytology and histology	1 hour

UNIT III COMPUTERS IN CLINICAL LABORATORY AND MEDICAL IMAGING	Intelligent Laboratory Information System	1 hour
UNIT III COMPUTERS IN CLINICAL LABORATORY AND MEDICAL IMAGING	Computerized ECG, EEG and EMG	1 hour
UNIT III COMPUTERS IN CLINICAL LABORATORY AND MEDICAL IMAGING	Computer assisted medical imaging	1 hour
UNIT IV MACHINE LEARNING IN BIOINFORMATICS	Neuro computers and Artificial Neural Networks application	1 hour
UNIT IV COMPUTER ASSISTED MEDICAL DECISION-MAKING	Expert system – General model of CMD	1 hour
UNIT IV COMPUTER ASSISTED MEDICAL DECISION-MAKING	Computer –assisted decision support system	1 hour
UNIT IV COMPUTER ASSISTED MEDICAL DECISION-MAKING	Computer –assisted decision support system	1 hour
UNIT IV COMPUTER ASSISTED MEDICAL DECISION-MAKING	production rule system cognitive model	1 hour
UNIT IV COMPUTER ASSISTED MEDICAL DECISION-MAKING	semester networks	1 hour
UNIT V RECENT TRENDS IN MEDICAL INFORMATICS RESEARCH	Virtual reality applications in medicine	1 hour
UNIT V RECENT TRENDS IN MEDICAL INFORMATICS RESEARCH	Computer assisted surgery	1 hour
UNIT V RECENT TRENDS IN MEDICAL INFORMATICS RESEARCH	Surgical simulation	1 hour
UNIT V RECENT TRENDS IN MEDICAL INFORMATICS RESEARCH	Telemedicine - Tele surgery computer aids for the handicapped	1 hour
UNIT V RECENT TRENDS IN MEDICAL INFORMATICS RESEARCH	computer assisted instrumentation in Medical Informatics	1 hour
UNIT V RECENT TRENDS IN MEDICAL INFORMATICS RESEARCH	Computer assisted patient education and health -Medical education and health care information	1 hour

BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH
SCHOOL OF BIO-ENGINEERING
DEPARTMENT OF BIO MEDICAL ENGINEERING
VALUE ADDED COURSE
COURSE ON INTRODUCTION TO HEALTH CARE RESEARCH (2020-2021)

Students Name List

S.NO	REG.NO	NAME	SEM/ YEAR	DEPART MENT
1.	U12BM001	ABIGAIL LALNUNNEM PAKHUONGTE	VII/VI	BME
2.	U12BM002	ADLINE MONISHA KEZIAH S	VII/VI	BME
3.	U12BM004	AQSA ASLAM	VII/VI	BME
4.	U12BM007	JIABUR RAHAMAN	VII/VI	BME
5.	U12BM008	KAYALVIZHI S	VII/VI	BME
6.	U12BM014	PRIYA SINHA	VII/VI	BME
7.	U12BM017	VINOTHINI V	VII/VI	BME
8.	U12BM018	SHAIK REHANA BEGUM	VII/VI	BME
9.	U12BM020	ROOBINI K	VII/VI	BME
10.	U12BM021	SANTHANA PRIYA S	VII/VI	BME
11.	U12BM022	EBRAHIM MANEA AHMED NAHSHAL	VII/VI	BME
12.	U12BM024	JAFFAR SADHIK J	VII/VI	BME
13.	U12BM501	SABAHAT SYED	VII/VI	BME
14.	U14BM056	JEGAN	VII/VI	BME
15.	U14BM058	PUJARI DHANYA SREE	VII/VI	BME
16.	U13BM028	B M MOULYAVIKA	V/III	BME
17.	U13BM025	SUDHA P M	V/III	BME
18.	U13BM024	SHUBHAM KUMAR	V/III	BME
19.	U13BM022	SHAHID HUSSAIN HAJI	V/III	BME
20.	U13BM020	ROUF AHMAD WANI	V/III	BME

21.	U13BM016	PREM RANJAN KUMAR	V/III	BME
22.	U13BM014	NASIR RIYAZ	V/III	BME
23.	U13BM013	NALINIDEVIN S	V/III	BME
24.	U13BM011	MUTHEESWARAN U	V/III	BME
25.	U13BM008	JONTTY TYAGI	V/III	BME
26.	U13BM007	JENNY E	V/III	BME
27.	U13BM004	CHITIPIRALLA YUVA CHAITANYA	V/III	BME
28.	U12BT020	Irfan Hussain Lone	VII/VI	IBT
29.	U12BT016	Yogasri K	VII/VI	IBT
30.	U12BT015	Yasmine Y	VII/VI	IBT
31.	U12BT014	Vennila Devi P	VII/VI	IBT
32.	U12BT013	Suruthi P	VII/VI	IBT
33.	U12BT012	Satadru Dutta Ray	VII/VI	IBT
34.	U12BT009	Rakesh Kumar	VII/VI	IBT
35.	U12BT008	Kumari Sangeeta Singh	VII/VI	IBT
36	U12BT004	Guddu Kumar	VII/VI	IBT
37	U12BT005	Harini S	VII/VI	IBT
38	U12BT006	Jitendra Kumar	VII/VI	IBT
39	U12BT007	K.Dilleswari	VII/VI	IBT
40	U12BT002	Ashutosh Kumar Ram	VII/VI	IBT
41	U12BT003	Ayub Alam	VII/VI	IBT
42	U12BT001	Ankush	VII/VI	IBT

**BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH
SCHOOL OF BIO-ENGINEERING
DEPARTMENT OF BIO MEDICAL ENGINEERING
VALUE ADDED COURSE
COURSE ON INTRODUCTION TO HEALTH CARE RESEARCH (2020-2021)**

Students Name List

S.NO	REG.NO	NAME	RESULT
1.	U12BM001	ABIGAIL LALNUNNEM PAKHUONGTE	A
2.	U12BM002	ADLINE MONISHA KEZIAH S	A
3.	U12BM004	AQSA ASLAM	A
4.	U12BM007	JIABUR RAHAMAN	S
5.	U12BM008	KAYALVIZHI S	A
6.	U12BM014	PRIYA SINHA	S
7.	U12BM017	VINOTHINI V	S
8.	U12BM018	SHAIK REHANA BEGUM	B
9.	U12BM020	ROOBINI K	A
10.	U12BM021	SANTHANA PRIYA S	A
11.	U12BM022	EBRAHIM MANEA AHMED NAHSHAL	A
12.	U12BM024	JAFFAR SADHIK J	S
13.	U12BM501	SABAHAT SYED	S
14.	U14BM056	JEGAN	A
15.	U14BM058	PUJARI DHANYA SREE	S
16.	U13BM028	B M MOULYAVIKA	S
17.	U13BM025	SUDHA P M	S
18.	U13BM024	SHUBHAM KUMAR	B
19.	U13BM022	SHAHID HUSSAIN HAJI	A
20.	U13BM020	ROUF AHMAD WANI	S

21.	U13BM016	PREM RANJAN KUMAR	A
22.	U13BM014	NASIR RIYAZ	A
23.	U13BM013	NALINIDEVI N S	A
24.	U13BM011	MUTHEESWARAN U	A
25.	U13BM008	JONTTY TYAGI	S
26.	U13BM007	JENNY E	S
27.	U13BM004	CHITIPIRALLA YUVA CHAITANYA	A
28.	U12BT020	Irfan Hussain Lone	S
29.	U12BT016	Yogasri K	A
30.	U12BT015	Yasmine Y	A
31.	U12BT014	Vennila Devi P	A
32.	U12BT013	Suruthi P	A
33.	U12BT012	Satadru Dutta Ray	B
34.	U12BT009	Rakesh Kumar	C
35.	U12BT008	Kumari Sangeeta Singh	S
36.	U12BT004	Guddu Kumar	S
37.	U12BT005	Harini S	A
38.	U12BT006	Jitendra Kumar	A
39.	U12BT007	K.Dilleswari	A
40.	U12BT002	Ashutosh Kumar Ram	A
41.	U12BT003	Ayub Alam	B
42.	U12BT001	Ankush	A

BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH
SCHOOL OF BIO-ENGINEERING
DEPARTMENT OF BIO MEDICAL ENGINEERING
VALUE ADDED COURSE
COURSE ON INTRODUCTION TO HEALTH CARE RESEARCH (2020-2021)

Students Name List

S.NO	REG.NO	NAME	RATING
1.	U12BM001	ABIGAIL LALNUNNEM PAKHUONGTE	4.7
2.	U12BM002	ADLINE MONISHA KEZIAH S	5
3.	U12BM004	AQSA ASLAM	4.8
4.	U12BM007	JIABUR RAHAMAN	4.8
5.	U12BM008	KAYALVIZHI S	4.8
6.	U12BM014	PRIYA SINHA	4.6
7.	U12BM017	VINOTHINI V	4.7
8.	U12BM018	SHAIK REHANA BEGUM	4.6
9.	U12BM020	ROOBINI K	4.7
10.	U12BM021	SANTHANA PRIYA S	5
11.	U12BM022	EBRAHIM MANEA AHMED NAHSHAL	4.8
12.	U12BM024	JAFFAR SADHIK J	4.7
13.	U12BM501	SABAHAT SYED	4.6
14.	U14BM056	JEGAN	4.7
15.	U14BM058	PUJARI DHANYA SREE	5
16.	U13BM028	B M MOULYAVIKA	4.8
17.	U13BM025	SUDHA P M	4.8
18.	U13BM024	SHUBHAM KUMAR	4.6
19.	U13BM022	SHAHID HUSSAIN HAJI	4.7
20.	U13BM020	ROUF AHMAD WANI	4.8

21.	U13BM016	PREM RANJAN KUMAR	5
22.	U13BM014	NASIR RIYAZ	4.7
23.	U13BM013	NALINIDEVI N S	4.8
24.	U13BM011	MUTHEESWARAN U	4.6
25.	U13BM008	JONTTY TYAGI	4.8
26.	U13BM007	JENNY E	4.7
27.	U13BM004	CHITIPIRALLA YUVA CHAITANYA	4.6
28.	U12BT020	Irfan Hussain Lone	5
29.	U12BT016	Yogasri K	4.8
30.	U12BT015	Yasmine Y	4.8
31.	U12BT014	Vennila Devi P	4.7
32.	U12BT013	Suruthi P	4.8
33.	U12BT012	Satadru Dutta Ray	4.8
34.	U12BT009	Rakesh Kumar	5
35.	U12BT008	Kumari Sangeeta Singh	4.6
36	U12BT004	Guddu Kumar	4.7
37	U12BT005	Harini S	4.6
38	U12BT006	Jitendra Kumar	4.8
39	U12BT007	K.Dilleswari	4.8
40	U12BT002	Ashutosh Kumar Ram	4.8
41	U12BT003	Ayub Alam	4.7
42	U12BT001	Ankush	5



Bharath

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



SCHOOL OF BIO-ENGINEERING

VALUE ADDED COURSE ON INTRODUCTION TO HEALTH AND RESEARCH

Certificate

This is to certify that Ms. Reshma has attended three weeks value added course on INTRODUCTION TO HEALTH CARE RESEARCH conducted by Department of Biomedical Engineering at Bharath Institute of Higher Education and Research, Chennai (TN), India during 17th August – 1st September, 2020.


Dean

HOD

