

BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH

Date: 14.05.2021

SCHOOL OF BIOENGINEERING

CIRCULAR

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

The Department of Genetic Engineering, School of Bioengineering, is scheduled to offer a Value added Course on **INTRODUCTION TO BIOLOGICAL HEALTH SCIENCE** from 14/06/2021 for a period of 3 weeks. Interested students can approach Dr.P.Rajasulochana, Professor and Course Coordinator, Department of Genetic Engineering for registration and for further details on or before 1st June 2021 .

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

P. Rajasulochana
Course Coordinator

HOD

Copy to:

Vice Chancellor

Pro Vice Chancellor

Additional Registrar

Deans

CoE

Heads of Departments

PROFESSOR
Department of Genetic Engineering
BHARATH INSTITUTE OF HIGHER EDUCATION & RESEARCH
(Declared as Deemed to be University U/S 3 of UGC Act. 1956)
Chennai 600073 Tamil Nadu India

BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH

SCHOOL OF BIO-ENGINEERING

DEPARTMENT OF GENETIC ENGINEERING

VALUE ADDED COURSE ON

INTRODUCTION TO BIOLOGICAL HEALTH SCIENCE

2020-2021

COURSE CO-ORDINATOR DETAILS

Faculty Name: Dr. P.Rajasulochana, Professor, Department of Genetic Engineering.

Email ID: prsnellore@gmail.com

Mobile number: 9003074715

**BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH
SCHOOL OF BIO-ENGINEERING
DEPARTMENT OF GENETIC ENGINEERING
VALUE ADDED COURSE SYLLABUS
2020-2021**

INTRODUCTION TO BIOLOGICAL HEALTH SCIENCE

OBJECTIVES

- Acquisition of adequate theoretical and practical knowledge of foundation in the basic biological subject.
- Aware of the principle underlying the organization of a Cell.

MODULE I: Basic Biology concepts

Introduction to biology; Cell; Cellular organization; Cell division; Eukaryotic cell; Prokaryotic cell, molecular mechanism that govern the replication, recombination, and expression of eukaryotic genome.

MODULE 2: Molecular biology and its principles

DNA replication, DNA recombination, gene transcription, RNA splicing, regulation of gene expression, protein synthesis and protein folding, prerequisite.

MODULE 3 Infectious biology

Bacteria, Replication of bacteria, viruses, Mechanism of pathogenic microbes, fungi, and its infections. Different human infections. Cancer, HIV. Control and preventative measures. Awareness of different microbial infections in human and hygienic conditions.

Total Contact Hours: 30

TEXT BOOKS:

1. Histology for Pathologists. Stacey Mills. 4th Edition, Lippincott (Ed), Raven Press, New York. 2012.
2. General Pathology JB Walter, MS Israel. 7th Edition, Churchill Livingstone, Edinburgh, 2009.

REFERENCE BOOKS:

1. Wintrobe's Clinical Hematology, Lee GR, Foerster J, Lupeus J, Paraskevas F, Gveer JP, Rodgers GN, 2 volume 13th Edition Lippincott, Baltimore, 2013
2. Practical Haematology, Dacie JV, Lewis SM, 11th Edition Churchill Livingstone, Edinburgh, 2011.

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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					LUNCH BREAK	IBHS			
TUE									
WED									
THU									
FRI						IBHS			
SAT	IBHS					IBHS			

SUBJECT CODE	SUBJECT NAME	STAFF
Theory		
Value added course	INTRODUCTION OF BIOLOGY IN HEALTH SCIENCES (IBHS)	Dr.P.Rajasulochana

SCHOOL OF BIO-ENGINEERING
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VALUE ADDED COURSE

INTRODUCTION TO BIOLOGICAL HEALTH SCIENCE (2020-2021)

Session	Topic	Date	Duration (Hr)	Resource person
Session I	Introduction to biology;	17/6/2021	3	Dr.T.Jayalakshmi
Session II	Cell; Cellular organization; Cell division;	17/6/2021	3	Mr.A.Manikandan
Session III	expression of eukaryotic genome.	18/6/2021	4	Dr.T.Jayalakshmi
Session IV	DNA replication,	18/6/2021	3	Dr.P.B.Ramesh babu
Session V	DNA recombination, gene transcription, R	24/6/2021	3	Mr.A.Manikandan
Session VI	protein synthesis and protein folding, prerequisite.	24/6/2021	4	Dr.P.Rajasulochana
Session VII	Structure of bacteria	25/6/2021	3	Dr.P.B.Ramesh babu
Session VIII	Bacteria, Replication of bacteria, viruses, Mechanism of pathogenic microbes, fungi, and its infections	1/7/2021	3	Mr.A.Manikandan
Session IX	Different human infections. Cancer, HIV. Control and preventative measures.	2/7/2021	4	Mrs.K.Vijayalakshmi

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VALUE ADDED COURSE
INTRODUCTION TO BIOLOGICAL HEALTH SCIENCE(2020-2021)
STUDENTS LIST

S.No	Reg No	Name
1	U12BT001	Ankush
2	U12BT002	Ashutosh Kumar Ram
3	U12BT003	Ayub Alam
4	U12BT004	Guddu Kumar
5	U12BT005	Harini S
6	U12BT006	Jitendra Kumar
7	U12BT007	K.Dilleswari
8	U12BT008	Kumari Sangeeta Singh
9	U12BT009	Rakesh Kumar
10	U12BT012	Satadru Dutta Ray
11	U12BT013	Suruthi P
12	U12BT014	Vennila Devi P
13	U12BT015	Yasmine Y
14	U12BT016	Yogasri K
15	U12BT020	Irfan Hussain Lone
16	U13BM010	KM PREM LATA
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20	U13BM014	NASIR RIYAZ
21	U13BM015	NUSRATH SULTHANA K J
22	U13BM016	PREM RANJAN KUMAR
23	U13BM017	RAFIQ AHMAD
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31	U13BM025	SUDHA P M
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33	U13BM027	GANTA ABHIKIRAN
34	U13BM028	B M MOULYAVIKA
35	U13BR003	HARSHA VARDHINI.B
36	U13BR007	PAVITHRA S
37	U13BR004	Lalan Gupta
38	U13BR016	SuprabuddhaDatta Chowdhury
39	U13BR018	Swetha M
40	U12BM011	NIVETHA SHRI K
41	U12BM012	OVAIS AHMAD KHAN

42	U12BM014	PRIYA SINHA
43	U12BM016	VINODHINI R
44	U12BM017	VINOTHINI V
45	U12BM018	SHAIK REHANA BEGUM

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VALUE ADDED COURSE
INTRODUCTION TO BIOLOGICAL HEALTH SCIENCE (2020-2021)
Attendance Report

S.No	Reg No	Name	17/6/2021	18/6/2021	24/6/2021	25/6/2021	1/7/2021	2/7/2021
1	U12BT001	Ankush	P	P	P	P	P	P
2	U12BT002	Ashutosh Kumar Ram	P	P	P	P	P	P
3	U12BT003	Ayub Alam	P	P	P	P	AB	P
4	U12BT004	Guddu Kumar	P	P	P	P	P	P
5	U12BT005	Harini S	P	P	P	P	P	P
6	U12BT006	Jitendra Kumar	P	P	P	P	P	P
7	U12BT007	K.Dilleswari	P	P	P	P	P	P
8	U12BT008	Kumari Sangeeta Singh	P	P	P	P	P	P
9	U12BT009	Rakesh Kumar	P	P	P	P	P	P
10	U12BT012	Satadru Dutta Ray	P	P	P	P	P	P
11	U12BT013	Suruthi P	P	P	P	P	P	P
12	U12BT014	Vanila Devi P	P	P	P	P	P	AB
13	U12BT015	Yasmine Y	P	P	P	P	P	P
14	U12BT016	Yogasri K	P	AB	AB	P	P	P
15	U12BT020	Irfan Hussain Lone	P	P	P	P	P	P
16	U13BM010	KM PREM LATA	AB	P	P	P	P	P
17	U13BM011	MUTHEESWARAN U	P	P	P	P	P	P
18	U13BM012	MYTHILI G	P	P	P	P	P	P
19	U13BM013	NALINIDEVI N S	P	P	P	P	P	P
20	U13BM014	NASIR RIYAZ	P	P	P	AB	P	P
21	U13BM015	NUSRATH SULTHANA K J	P	P	P	P	P	P
22	U13BM016	PREM RANJAN KUMAR	P	P	P	P	P	P
23	U13BM017	RAFIQ AHMAD	AB	P	P	P	AB	P
24	U13BM018	RAKESH KUMAR SHA	P	P	P	AB	P	P
25	U13BM019	RESHIMA J S	P	P	P	P	P	P
26	U13BM020	ROUF AHMAD WANI	P	P	P	P	P	P
27	U13BM021	SALMA A	P	P	P	P	P	P
28	U13BM022	SHAHID HUSSAIN HAJI	P	P	P	P	P	AB
29	U13BM023	SHOWKAT AHMAD LONE	P	P	P	P	P	P
30	U13BM024	SHUBHAM KUMAR	P	P	P	P	P	P
31	U13BM025	SUDHA P M	P	AB	P	P	P	P
32	U13BM026	VIGNESHWAR J	P	P	P	P	AB	P
33	U13BM027	GANTA ABHIKIRAN	P	P	P	P	P	P
34	U13BM028	B M MOULYAVIKA	P	P	P	P	P	P
35	U13BR003	HARSHA VARDHINI.B	AB	P	P	AB	P	P
36	U13BR007	PAVITHRA S	P	P	P	P	P	P
37	U13BR004	Laian Gupta	P	P	P	P	P	P
38	U13BR016	SuprabuddhaDatta Chowdhury	P	P	P	P	P	AB
39	U13BR018	Sweltha M	P	P	P	P	P	P
40	U12BM011	NIVETHA SHRI K	P	P	P	P	P	P
41	U12BM012	OVAIS AHMAD KHAN	P	P	P	P	P	P
42	U12BM014	PRIYA SINHA	P	P	P	AB	P	P
43	U12BM016	VINODHINI R	P	P	AB	P	P	P
44	U12BM017	VINOTHINI V	P	P	P	P	P	AB
45	U12BM018	SHAIK REHANA BEGUM	P	P	P	P	P	P

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INTRODUCTION TO BIOLOGICAL HEALTH SCIENCE (2020-2021)
Result analysis

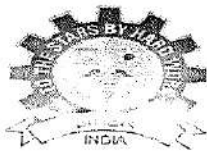
S.No	Reg No	Name	Grade
1	U12BT001	Ankush	S
2	U12BT002	Ashutosh Kumar Ram	S
3	U12BT003	Ayub Alam	A
4	U12BT004	Guddu Kumar	S
5	U12BT005	Harini S	B
6	U12BT006	Jitendra Kumar	A
7	U12BT007	K.Dilleswari	S
8	U12BT008	Kumari Sangeeta Singh	B
9	U12BT009	Rakesh Kumar	A
10	U12BT012	Satadru Dutta Ray	S
11	U12BT013	Suruthi P	B
12	U12BT014	Vennila Devi P	A
13	U12BT015	Yasmine Y	A
14	U12BT016	Yogasri K	S
15	U12BT020	Irfan Hussain Lone	B
16	U13BM010	KM PREM LATA	B
17	U13BM011	MUTHEESWARAN U	S
18	U13BM012	MYTHILI G	S
19	U13BM013	NALINIDEVI N S	A
20	U13BM014	NASIR RIYAZ	B
21	U13BM015	NUSRATH SULTHANA K J	A
22	U13BM016	PREM RANJAN KUMAR	B
23	U13BM017	RAFIQ AHMAD	S
24	U13BM018	RAKESH KUMAR SHA	S
25	U13BM019	RESHMA J S	B
26	U13BM020	ROUF AHMAD WANI	S
27	U13BM021	SALMA A	A
28	U13BM022	SHAHID HUSSAIN HAJI	S
29	U13BM023	SHOWKAT AHMAD LONE	A
30	U13BM024	SHUBHAM KUMAR	S
31	U13BM025	SUDHA P M	S
32	U13BM026	VIGNESHWAR J	A
33	U13BM027	GANTA ABHIKIRAN	S

34	UI3BM028	B M MOULYAVIKA	B
35	U13BR003	HARSHA VARDHINI.B	A
36	U13BR007	PAVITHRA S	S
37	U13BR004	Lalan Gupta	S
38	U13BR016	SuprabuddhaDatta Chowdhury	S
39	U13BR018	Swetha M	S
40	UI2BM011	NIVETHA SHRI K	A
41	UI2BM012	OVAIS AHMAD KHAN	S
42	UI2BM014	PRIYA SINHA	S
43	UI2BM016	VINODHINI R	A
44	UI2BM017	VINOTHINI V	S
45	UI2BM018	SHAIK REHANA BEGUM	A

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Students Feedback

S.No	Reg No	Name	Rating
1	U12BT001	Ankush	4.5
2	U12BT002	Ashutosh Kumar Ram	4.5
3	U12BT003	Ayub Alam	4.5
4	U12BT004	Guddu Kumar	3
5	U12BT005	Harini S	4.4
6	U12BT006	Jitendra Kumar	3.5
7	U12BT007	K.Dilleswari	4.5
8	U12BT008	Kumari Sangeeta Singh	5
9	U12BT009	Rakesh Kumar	4.5
10	U12BT012	Satadru Dutta Ray	5
11	U12BT013	Suruthi P	4.6
12	U12BT014	Vennila Devi P	5
13	U12BT015	Yasmine Y	4.4
14	U12BT016	Yogasri K	3.7
15	U12BT020	Irfan Hussain Lone	4.5
16	U13BM010	KM PREM LATA	4.5
17	U13BM011	MUTHEESWARAN U	5
18	U13BM012	MYTHILI G	5
19	U13BM013	NALINIDEVI N S	5
20	U13BM014	NASIR RIYAZ	5
21	U13BM015	NUSRATH SULTHANA K J	4.5
22	U13BM016	PREM RANJAN KUMAR	5
23	U13BM017	RAFIQ AHMAD	4.5
24	U13BM018	RAKESH KUMAR SHA	5
25	U13BM019	RESHMA J S	4.5
26	U13BM020	ROUF AHMAD WANI	4
27	U13BM021	SALMA A	5
28	U13BM022	SHAHID HUSSAIN HAJI	4.5
29	U13BM023	SHOWKAT AHMAD LONE	5
30	U13BM024	SHUBHAM KUMAR	4
31	U13BM025	SUDHA P M	4.5
32	U13BM026	VIGNESHWAR J	5
33	U13BM027	GANTA ABHIKIRAN	5
34	U13BM028	B M MOULYAVIKA	5
35	U13BR003	HARSHA VARDHINI.B	4.5
36	U13BR007	PAVITHRA S	5
37	U13BR004	Lalan Gupta	4.5
38	U13BR016	SuprabuddhaDatta Chowdhury	4
39	U13BR018	Swetha M	4.2
40	U12BM011	NIVETHA SHRI K	4.1
41	U12BM012	OVAIS AHMAD KHAN	4.6
42	U12BM014	PRIYA SINHA	4.3
43	U12BM016	VINODHINI R	4.2
44	U12BM017	VINOTHINI V	4.1

45	U12BM018	SHAIK REHANA BEGUM	4
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SCHOOL OF BIO-ENGINEERING

VALUE ADDED COURSE ON INTRODUCTION TO BIOLOGICAL HEALTH SCIENCE

Certificate of Participation

This is to certify that Mr /Ms Swetha M (U13BR018) has attended three weeks value added course on Introduction to biological health science conducted by Department of Genetic Engineering at Bharath Institute of Higher Education and Research, Chennai (TN), India during 17th June - 27th July 2021.

P. Rajasulochana
Coordinator

HOD

Head and Head
Genetic Engineering
Department of Genetic Engineering & Biotechnology
Bharath Institute of Higher Education & Research
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Chennai - 600 075, Tamil Nadu, India