



BRIDGE COURSE SYLLABUS



DEPARTMENT : BIOTECHNOLOGY
CLASS : I-B.SC BIOTECHNOLOGY
COURSE : INTRODUCTION TO BIOTECHNOLOGY
ACADEMIC YEAR : 2024 – 2025

Objective:

To make the students get familiarized with the different concepts of biological techniques and its applications in different areas of life sciences

Unit I Hierarchical system of living system

Life and living system, hierarchy of cell, Function of cell and cell organelles, Genetic material, Role of genetic material in a living system, Complexity of genome

Unit II- Cellular functions

Cellular functions in growth and metabolism, molecular organization in cell function, Alterations in cell function, Diseases and disorders- Genetic and metabolic

Unit III- Recent trends in Biotechnology

Fields of biotechnology- Plant and biotechnology, Animals and biotechnology, Chemistry and biotechnology, Physics and biotechnology, Mathematics and biotechnology, Computer science and biotechnology

Unit IV- Research and biotechnology

Invention and discoveries in biological sciences, Research solutions in real time problems, Research methodology, Biological techniques in real time research

Unit V- Career growth in Biotechnology

Career opportunities in biotechnology, Research centers, Biotechnological roles and responsibilities, Research schemes and funding opportunities

Course Outcome

Upon completion of the course the students will be able to

- Understand the core concepts of life and living system
- Gain an insight on how cellular functions govern the living system
- Acquire basic knowledge on the different techniques used to study molecular system
- Generate new research ideas for any biological problem
- Decide and focus on her career in the field of biotechnology

Subject Allocation

S.NO	UNIT	NAME OF THE FACULTY
1	Hierarchial system of living system	Dr.R.Jesu Jeya Sudan
2	Cellular functions	Dr. J.Lesitha Jeeva Kumari
3	Recent trends in Biotechnology	Dr .M.Gomathi
4	Research and biotechnology	Ms. S. Aruna
5	Career growth in Biotechnology	Ms. S. Santhiya


HOD


PRINCIPAL
PRINCIPAL
Marudhar Kesari Jain College
for Women
Vanivambadi - 635 751



MARUDHAR KESARI JAIN COLLEGE FOR WOMEN (AUTONOMOUS) , VANIYAMBADI

BRIDGE COURSE TIMETABLE 2024 – 2025



DEPARTMENT : BIOTECHNOLOGY
CLASS : I-B.SC BIOTECHNOLOGY
COURSE : INTRODUCTION TO BIOTECHNOLOGY
ACADEMIC YEAR : 2024 – 2025

DAY ORDER	I	II	III	IV	V
I	Introduction to Biotechnology	Introduction to Biotechnology	Sports	Communicative English Placement	Introduction to Biotechnology
II	Communicative English	Sports	Communicative English Placement	Introduction to Biotechnology	Introduction to Biotechnology
III	Communicative English	Introduction to Biotechnology	Communicative English Placement	Introduction to Biotechnology	Introduction to Biotechnology
IV	Communicative English	Introduction to Biotechnology	Introduction to Biotechnology	Introduction to Biotechnology	Sports
V	Communicative English	Sports	Introduction to Biotechnology	Communicative English Placement	Introduction to Biotechnology


HOD


PRINCIPAL
PRINCIPAL
Marudhar Kesari Jain College
for Women
Vanivambadi - 635 751



BRIDGE COURSE PHOTO



DEPARTMENT : BIOTECHNOLOGY
CLASS : I-B.SC BIOTECHNOLOGY
COURSE : INTRODUCTION TO BIOTECHNOLOGY
ACADEMIC YEAR : 2024 – 2025




HOD


PRINCIPAL
PRINCIPAL
Marudhar Kesari Jain College
for Women
Vanivambadi - 635 751



MARUDHAR KESARI JAIN COLLEGE FOR WOMEN (AUTONOMOUS), VANIYAMBADI

BRIDGE COURSE ATTENDANCE

31 Years of Educational Excellence

DEPARTMENT : BIOTECHNOLOGY
CLASS : I - B.SC BIOTECHNOLOGY
COURSE : AN INTRODUCTION TO BIOTECHNOLOGY
ACADEMIC YEAR : 2024-2025

S.NO	NAME	DATE					
		19.06.2024	19.06.2024	19.06.2024	24.06.2024	25.06.2024	26.06.2024
1	ABINAYA K	K. Abi	K. Abi	K. Abi	K. Abi	K. Abi	K. Abi
2	AFREEN KOUSER P A	Afreen	Afreen	Afreen	Afreen	Afreen	Afreen
3	ANITHA G	G. Anitha	G. Anitha	G. Anitha	G. Anitha	G. Anitha	G. Anitha
4	ARCHANA G	G. Archana	G. Archana	G. Archana	G. Archana	G. Archana	G. Archana
5	ARFA MARIYAM M	M. Arfa	M. Arfa	M. Arfa	M. Arfa	M. Arfa	M. Arfa
6	ASWITHA P	P. Aswitha	P. Aswitha	P. Aswitha	P. Aswitha	P. Aswitha	P. Aswitha
7	BHUVANESHWARI S	S. Bhuvaneshwari	S. Bhuvaneshwari	S. Bhuvaneshwari	S. Bhuvaneshwari	S. Bhuvaneshwari	S. Bhuvaneshwari
8	DEEPIKA S	S. Deepika	S. Deepika	S. Deepika	S. Deepika	S. Deepika	S. Deepika
9	DEEPIKA V	V. Deepika	V. Deepika	V. Deepika	V. Deepika	V. Deepika	V. Deepika
10	DIVYA M	M. Divya	M. Divya	M. Divya	M. Divya	M. Divya	M. Divya
11	DURGA S	LONG ABSENT					
12	FARHEEN TAJ S	S. Farheen	S. Farheen	S. Farheen	S. Farheen	S. Farheen	S. Farheen
13	FASIHA SULTANA M	M. Fasiha	M. Fasiha	M. Fasiha	M. Fasiha	M. Fasiha	M. Fasiha
14	GIRIJA R	R. Girija	R. Girija	R. Girija	R. Girija	R. Girija	R. Girija
15	GOWTHAMI N	N. Gowthami	N. Gowthami	N. Gowthami	N. Gowthami	N. Gowthami	N. Gowthami
16	HARINI S	S. Harini	S. Harini	S. Harini	S. Harini	S. Harini	S. Harini
17	HARSHAVARDHINI M	M. Harshavardhini	M. Harshavardhini	M. Harshavardhini	M. Harshavardhini	M. Harshavardhini	M. Harshavardhini
18	IFRAH R	R. Ifrah	R. Ifrah	R. Ifrah	R. Ifrah	R. Ifrah	R. Ifrah
19	IFRAHA KASHESHE(NO INITIAL)	I. Kashesh	I. Kashesh	I. Kashesh	I. Kashesh	I. Kashesh	I. Kashesh
20	JANSI RANI K	K. Jansi	K. Jansi	K. Jansi	K. Jansi	K. Jansi	K. Jansi

21	JENISHA D	Jenisha	Jenisha	Jenisha	Jenisha	Jenisha	Jenisha
22	JEVIRIYA SHARMEEN J	Jeviriy	Jeviriy	Jeviriy	Jeviriy	Jeviriy	Jeviriy
23	JOTHIKA E	Jothika	Jothika	Jothika	Jothika	Jothika	Jothika
24	KARTHIKA S	Karthi	Karthi	Karthi	Karthi	Karthi	Karthi
25	KEERTHANA S	Keethu	Keethu	Keethu	Keethu	Keethu	Keethu
26	KOWSALYA K	Kowsalya	Kowsalya	Kowsalya	Kowsalya	Kowsalya	Kowsalya
27	KOWSALYA S	S.Kowsalya	S.Kowsalya	S.Kowsalya	S.Kowsalya	S.Kowsalya	S.Kowsalya
28	LEELAVATHI M	M.Leevathi	M.Leevathi	M.Leevathi	M.Leevathi	M.Leevathi	M.Leevathi
29	MADHU SRI R	Madhusri	Madhusri	Madhusri	Madhusri	Madhusri	Madhusri
30	MADHUMITHA P	Madhumitha	Madhumitha	Madhumitha	Madhumitha	Madhumitha	Madhumitha
31	MAEGHA D	D.Maegha	D.Maegha	D.Maegha	D.Maegha	D.Maegha	D.Maegha
32	MAHA SRI S	S.MahaSri	S.MahaSri	S.MahaSri	S.MahaSri	S.MahaSri	S.MahaSri
33	MAHALAKSHMI P	Mahalakshmi	Mahalakshmi	Mahalakshmi	Mahalakshmi	Mahalakshmi	Mahalakshmi
34	MAMTHA A	Mamtha A	Mamtha A	Mamtha A	Mamtha A	Mamtha A	Mamtha A
35	MONISHA A	Monisha A	Monisha A	Monisha A	Monisha A	Monisha A	Monisha A
36	MONISHA B	Monisha B	Monisha B	Monisha B	Monisha B	Monisha B	Monisha B
37	MONISHA M	Moni	Moni	Moni	Moni	Moni	Moni
38	MUSKAAN FATHIMA B	Muskan	Muskan	Muskan	Muskan	Muskan	Muskan
39	NAFISA FATHIMA P	Nafitha	Nafitha	Nafitha	Nafitha	Nafitha	Nafitha
40	NAFIYA BATHOOL K	K.Nafiya	K.Nafiya	K.Nafiya	K.Nafiya	K.Nafiya	K.Nafiya
41	NIKITHA P	Nikitha	Nikitha	Nikitha	Nikitha	Nikitha	Nikitha
42	NISHA KATWAL T	Nisha	Nisha	Nisha	Nisha	Nisha	Nisha
43	NIVETHA K	K.Nivetha	K.Nivetha	K.Nivetha	K.Nivetha	K.Nivetha	K.Nivetha
44	NUSEBA HARMIN P	Nuseba	Nuseba	Nuseba	Nuseba	Nuseba	Nuseba
45	OVIYA R S	Oviya	Oviya	Oviya	Oviya	Oviya	Oviya
46	PALLAVI	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi
47	PAVITHRA B	Pavithra	Pavithra	Pavithra	Pavithra	Pavithra	Pavithra
48	POOJA D	Pooja D	Pooja D	Pooja D	Pooja D	Pooja D	Pooja D
49	POOJITHA S	S.Poojitha	S.Poojitha	S.Poojitha	S.Poojitha	S.Poojitha	S.Poojitha
50	PRATHIKSHAA P	P.Prathiksha	P.Prathiksha	P.Prathiksha	P.Prathiksha	P.Prathiksha	P.Prathiksha

51	PREETHI S	Preethi S	Preethi S	Preethi S	Preethi S	Preethi S
52	RABIA AFREEN K	Rabia Afreen K	Rabia Afreen K	Rabia Afreen K	Rabia Afreen K	Rabia Afreen K
53	RAMYA G	Ramya G	Ramya G	Ramya G	Ramya G	Ramya G
54	RAMYA M	M. Ramya	M. Ramya	M. Ramya	M. Ramya	M. Ramya
55	ROGINI T	T. Rogini	T. Rogini	T. Rogini	T. Rogini	T. Rogini
56	RUBINI M	M. Rubini	M. Rubini	M. Rubini	M. Rubini	M. Rubini
57	SAILAJA S	Sailaja S	Sailaja S	Sailaja S	Sailaja S	Sailaja S
58	SARANYA R G	Saranya R. G	Saranya R. G	Saranya R. G	Saranya R. G	Saranya R. G
59	SAVITHA D	Savitha D	Savitha D	Savitha D	Savitha D	Savitha D
60	SHALINI S	S. Shalini	S. Shalini	S. Shalini	S. Shalini	S. Shalini
61	SHALINI S	Shalini S	Shalini S	Shalini S	Shalini S	Shalini S
62	SHENBAGA PRIYA V	V. Shy	V. Shy	V. Shy	V. Shy	V. Shy
63	SRIMATHI R	R. Srimathi	R. Srimathi	R. Srimathi	R. Srimathi	R. Srimathi
64	SUNMATHI	Sunmathi	Sunmathi	Sunmathi	Sunmathi	Sunmathi
65	SWETHA V	Swetha V	Swetha V	Swetha V	Swetha V	Swetha V
66	TASLEEMA FARZEEN P M	Tasleema Farzeen P M	Tasleema Farzeen P M	Tasleema Farzeen P M	Tasleema Farzeen P M	Tasleema Farzeen P M
67	THARANA SRI B	Tharana Sri B	Tharana Sri B	Tharana Sri B	Tharana Sri B	Tharana Sri B
68	THARIKA G	Tharika G	Tharika G	Tharika G	Tharika G	Tharika G
69	UZAIFA SUMAN U	Uzaiya Suman U	Uzaiya Suman U	Uzaiya Suman U	Uzaiya Suman U	Uzaiya Suman U
70	VAISHNAVI D	D. V. Shy	D. V. Shy	D. V. Shy	D. V. Shy	D. V. Shy
71	VANI SRI S	Vanishi S	Vanishi S	Vanishi S	Vanishi S	Vanishi S
72	VASUNDRA	Vasundara R	Vasundara R	Vasundara R	Vasundara R	Vasundara R
73	VIMALA V	V. Vinoda	V. Vinoda	V. Vinoda	V. Vinoda	V. Vinoda
74	ZOHA FATHIMA A	Zohra	Zohra	Zohra	Zohra	Zohra
75	ZUHA KOWNAIN T	Zuhra Kownain T	Zuhra Kownain T	Zuhra Kownain T	Zuhra Kownain T	Zuhra Kownain T


HOD


27/6/24
PRINCIPAL
PRINCIPAL
Marudhar Kesari Jain College
for Women
Vanivambadi - 635 751



MARUDHAR KESARI JAIN COLLEGE FOR WOMEN (AUTONOMOUS)
VANIYAMBADI



BRIDGE COURSE FEEDBACK

DEPARTMENT : BIOTECHNOLOGY
CLASS : I - B.SC BIOTECHNOLOGY
COURSE : AN INTRODUCTION TO BIOTECHNOLOGY
ACADEMIC YEAR : 2024-2025

S.NO	NAME	FEEDBACK
1	ABINAYA K	I gain more knowledge from the Bridge course class.
2	AFREEN KOUSER P A	It is very useful course for use and I learnt about Biotech and thank you.
3	ANITHA G	I learn very much / New thing about Biotechnology.
4	ARCHANA G	I learn very much I New thing about Biotechnology.
5	ARFA MARIYAM M	It's good! I Learn much things in this course & useful to us.... Tq!!
6	ASWITHA P	It's was so good to learn something new.
7	BHUVANESHWARI S	gain knowledge and useful course.
8	DEEPIKA S	The course in very useful mee.
9	DEEPIKA V	It was very useful to know about biotechnology.
10	DIVYA M	Very useful course.
11	DURGA S	It used to gain knowledge.
12	FARHEEN TAJ S	The course was helpful to know about biotechnology.
13	FASIHA SULTANA M	It is useful to us. I gained more knowledge from this course.
14	GIRIJA R	I learn to gain knowledge.
15	GOWTHAMI N	This course is very useful and gain more knowledge.
16	HARINI S	This course helped me to recollect a grammar knowledge again & learnt many new about Eng.
17	HARSHAVARDHINI M	The bridge course is so playfull and we learn more things by to from teachers.
18	IFRAH R	I learned much things.
19	IFRAHA KASHESHE(NO INITIAL)	I understand well.
20	JANSI RANI K	This course was very useful.
		gain knowledge

21	JENISHA D	I just learned good thing and improve communication skill
22	JEVIRIYA SHARMEEN J	This course is very useful
23	JOTHIKA E	This course is very useful to me.
24	KARTHIKA S	The bridge course is very interested/I learn more
25	KEERTHANA S	The bridge course I learn and interested the course.
26	KOWSALYA K	I learned more about new things.
27	KOWSALYA S	This course is very interesting I learn more
28	LEELAVATHI M	This course is very useful for me.
29	MADHU SRI R	Very useful course, I have learnt more in this.
30	MADHUMITHA P	I learn much thing I understand well.
31	MAEGHA D	It was so useful to us
32	MAHA SRI S	It used to recall many information and useful to learn something new too
33	MAHALAKSHMI P	This course is useful to us. I learn about this bridge course
34	MAMTHA A	This course is very useful to us
35	MONISHA A	It make us learn something new
36	MONISHA B	It is very useful and interactive.
37	MONISHA M	very useful course I have learnt more in this.
38	MUSKAAN FATHIMA B	It was so good to know and it is very interactive class.
39	NAFISA FATHIMA P	Very useful course. Improve our conversation & gain knowledge.
40	NAFIYA BATHOOL K	the bridge course is very useful and gain knowledge.
41	NIKITHA P	It was so interactive and useful course
42	NISHA KATWAL T	The bridge course was good and knew useful to us and we gained knowledge.
43	NIVETHA K	I think it is useful to recall and learn many topic new
44	NUSEBA HARMIN P	The Bridge course was good and very useful to us and we gain knowledge about what we are and I gain the very use full.
45	OVIYA R S	I came to know something new
46	PALLAVI	I learned something new

47	PAVITHRA B	Learn About Cell New things.
48	POOJA D	I learnt many things and information
49	POOJITHA S	I Learned about new things and easy to understand.
50	PRATHIKSHAA P	I learned more new things & it is informative to me.
51	PREETHI S	learn about ^{cell} New things.
52	RABIA AFREEN K	I learnt About New things
53	RAMYA G	I learnt Many things and information.
54	RAMYA M	I learned a basic things of all courses
55	ROGINI T	I learned lot of things about this course
56	RUBINI M	I Learned new and understand well
57	SAILAJA S	I Learned new and ^{it is} very useful & will understand
58	SARANYA R G	I learn very much and new thing of Biotechnology.
59	SAVITHA D	I Learn new and much things understand well.
60	SHALINI S	I Learn new and much things understand well.
61	SHALINI S	I have learnt about Biology and Biotechnology, Information
62	SHENBAGA PRIYA V	It is very useful to recall many things and I learned about this - cause
63	SRIMATHI R	I learnt about new things
64	SUNMATHI	I learned a basic things of all courses.
65	SWETHA V	I Learn about new things
66	TASLEEMA FARZEEN P M	I learned about Biology & applied technology in.
67	THARANA SRI B	I think learn about subject and think new words.
68	THARIKA G	I learn about new Informations.
69	UZAIFA SUMAN U	I learned About New thing and its useful us.
70	VAISHNAVI D	I think learn about subject and think new words.
71	VANI SRI S	I have learned a new things about medical Science
72	VASUNDRA	I Learn about cells and more new things about cells.

73	VIMALA V	It is useful and I Learn about this course.
74	ZOHA FATHIMA A	It is useful for recall many things and I learn about this course
75	ZUHA KOWNAIN T	I learned new and much things understood well.


HOD


PRINCIPAL
PRINCIPAL
Marudhar Kesari Jain College
for Women
Vanivambadi - 635 751