

DEPARTMENT OF
BIOTECHNOLOGY

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Course Outcome Attainment

Programme: 101 Academic Year: 2022-2023
 Batch: 2019-2023 Section: A

Course Code	Course Name	CO	Target %	Level	Attained
XMA101	Calculus and Linear Algebra	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XES102	Environmental Sciences	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XBE103	Electrical and Electronics Engineering Systems	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XAP104	Applied Physics for Engineers	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XEG105	Engineering Graphics	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XMA201	Calculus, Ordinary Differential Equations and Complex Variables	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes

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 HOD/Biotechnology
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Course Outcome Attainment

Programme: 101

AcademicYear: 2022-2023

Batch: 2019-2023

Section: A

Course Code	Course Name	CO	Target %	Level	Attained
XCP202	Programming for Problem Solving	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XGS203	English	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XAC204	Applied Chemistry for Engineers	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XWP205	Workshop Practices	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XPS301	Probability Statistics	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XBT302	Material Energy Balance	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes

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Course Outcome Attainment

Programme: 101

AcademicYear: 2022-2023

Batch: 2019-2023

Section: A

Course Code	Course Name	CO	Target %	Level	Attained
XBT303	Biochemistry	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XBT304	Microbiology	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XBT305	Unit Operations	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XUM306	Human Ethics	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XBT307	In plant training I	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XES401	Material Science	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes

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Course Outcome Attainment

Programme: 101

Academic Year: 2022-2023

Batch: 2019-2023

Section: A

Course Code	Course Name	CO	Target %	Level	Attained
XBT402	Genetics	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XBT403	Cell Biology	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XBT404	Bioenergetics and Metabolism	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XBT405	Chemical Engineering Thermodynamics	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XUM406	Entrepreneurship Development	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XUM407	Constitution of India	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes

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 Dean / FET

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 Dean / Academics (TLE)

Course Outcome Attainment

Programme: 101

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Batch: 2019-2023

Section: A

Course Code	Course Name	CO	Target %	Level	Attained
XBT501	Bioinstrumentation	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XBT502	Molecular Biology	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XBT503	Bioprocess Engineering	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XUM506	Employability Skills and report writing	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XUM507	Essence of Indian Traditional Knowledge	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XBT508	In-Plant training-II	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes

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Course Outcome Attainment

Programme: 101 **AcademicYear:** 2022-2023
Batch: 2019-2023 **Section:** A

Course Code	Course Name	CO	Target %	Level	Attained
XUM601	Economics for Engineers	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XBT602	Bioreactor Design	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XBT603	Recombinant DNA Technology	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XBT604	Immunology	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XBT701B	Pharmaceutical Biotechnology	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	2	No
XBT702	Bioinformatics & computational biology	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes

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Course Outcome Attainment

Programme: 101

AcademicYear: 2022-2023

Batch: 2019-2023

Section: A

Course Code	Course Name	CO	Target %	Level	Attained
XBT703	Downstream processing	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XBT704A	Cancer Biology	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XUM706	Cyber security	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XBT707	In plant training III	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XBT801	Project Work	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes

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 [Dr. R. KATHIRAVAN]
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Overall PO Attainment Report

Programme: 101 Academic Year: 2022-2023
 Batch: 2019-2023 Section: A

S.No.	Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
1	XMA101	3	2.8	0	1	1.8	0	0.2	0	0	1	1	1.6	2.4	1
2	XES102	1	1	0	0	0	3	3	2	0	0	0	1	2	2
3	XBE103	3	3	3	1.2	3	1.2	3	1	1	1.2	2.2	3	3	0
4	XAP104	3	1.2	1.8	1.2	0.8	0	0	0	0.6	0	0	1	1	0
5	XEG105	3	3	3	1.2	3	1.2	3	1	1	1.2	2.2	3	3	0
6	XMA201	3	1.6	0	0	0.6	0	0	0	0	1	0	1.4	1	1
7	XCP202	2.4	2	0.6	0.8	2.2	0	0	0.2	0	0.4	2	2.4	2	1
8	XGS203	1.4	0	0	0	0	0	1.2	0	0.8	0	0	0	0	0
9	XAC204	2.8	2.2	1	2.4	1.8	0.6	1	0	1.6	0	1	0.4	2	2
10	XWP205	2	1	2	2	1	0	0	1	1	0	1	2	0	0
11	XPS301	3	2	1	0.6	0.4	0.4	0.2	0	1	1	0.4	1	1	1
12	XBT302	3	3	2	3	2	0	2	0	0	0	0	0	2	2
13	XBT303	1	1	2	0	1	0	0	1	1	1	1	1.4	1.6	1.2

Dr. A. G. G. G.
 HOD / Biotechnology
 F. Dr. G. G. G.

Dr. A. G. G. G.
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TAMIL NADU - 635 007

Overall PO Attainment Report

Programme: 101 AcademicYear: 2022-2023

Batch: 2019-2023 Section: A

14	XBT304	3	2.4	1.6	1.6	1	1.2	1.6	0.4	1	0.8	1	1	0.8	0.8
15	XBT305	3	3	1.8	2.4	1.2	2	2	0	0	0	1.8	2.6	1.6	1.8
16	XUM306	0	0	0	0	0	0	0	3	3	3	0	0	1	0
17	XBT307	0.4	0.2	0.4	0.8	0.6	0	0.2	0.6	0.6	0.8	0.8	0	1.4	1.2
18	XES401	1.2	1.4	1.6	0.4	0	0	0	0	0.2	0	0.2	1.2	1	1
19	XBT402	1	1	2	0	1	0	0	1	1	1	1	1.6	1.6	1.8
20	XBT403	3	0.8	0	0.6	1	0.6	0	0	0.6	0.6	0.8	0.8	1	1
21	XBT404	1	1	2	0	1	0	0	1	1	1	1	1.8	1.6	1.8
22	XBT405	3	2.8	1.8	2	0.8	0.4	1.6	0.2	0.2	0	2	2.2	2.2	2.2
23	XUM406	0.4	0.2	0.8	1.4	0.4	1	0.6	0.6	0.8	1.6	2	1.2	0	0.2
24	XUM407	2	0.4	0	1	0	0	0	0.4	0.6	0	0	0	0	0
25	XBT501	2.8	2.4	2.2	1.4	0	0	0.8	0	0	0	0	0.8	0	1
26	XBT502	1	1	2	0	1	0	0	1	1	3.4	1	1.6	1.8	2.2
27	XBT503	1.6	2.2	1.6	1.4	0.4	0	0.4	0	0.8	0	1	1	1.2	1.2
28	XUM506	0.4	0.2	0.4	0.8	0.6	0	0.2	0.6	0.6	0.8	0.8	1	0.4	0

Dr. D
HOD/Biotechnology

Dr. D
HOD/PET

Dr. D
Dear Academic (TIF)

Overall PO Attainment Report

Academic Year: 2022-2023

Programme: 101

Section: A

Batch: 2019-2023

29	XUM507	0	0	0	0	0	0	0	0	3	3	3	3	0	0	0	0
30	XBT508	0.4	0.2	0.4	0.8	0.6	0	0.2	0.6	0.6	0.8	0.8	0.8	0	1.2	1.2	1.2
31	XUM601	1.4	2	0.6	1.8	0	0	1.2	1.2	0.8	1.6	2.2	3	2	2	2	2
32	XBT602	1.2	1.4	1.6	0.4	0	0	0	0.2	0.2	0	0.2	1.8	1.6	1.6	1.6	1.6
33	XBT603	2.6	0.2	2.8	1.4	2.4	0.8	0.6	1.2	0.2	0.8	0.8	0	0	0	0	0
34	XBT604	2.8	1.6	1.4	0.6	0.6	0.6	0.6	0	0	0	0.6	0.6	1.8	1.8	1.8	1.8
35	XBT701B	1.7	1.2	1.7	1.5	1.8	2.2	1.3	0.7	1.3	1.5	0.9	0.9	2	2	2	2
36	XBT702	1.2	1.6	1.8	1.2	1.6	0	0	0	0.4	0	0.4	0	0	0	0	0
37	XBT703	2.2	1.8	2.2	1.4	0	0.8	1	0	1	0	0.4	1	1.6	1.6	1.8	1.8
38	XBT704A	2.6	2	1.6	2.2	2	1.2	0.8	0.4	1	0.8	1	1.8	1.6	1.6	1.8	1.8
39	XUM706	2.2	2.6	2.6	2.6	1.6	0.4	1.4	1.4	1.2	0	0	0	1.8	1.8	1.8	1.8
40	XBT707	0.6	0.4	0.2	1.2	0	0	0.2	0.6	0.6	0.8	0.8	0	1.2	1.2	1.2	1.2
41	XBT801	1.8	1.8	1	1.4	1	0.6	0.6	0.6	0.4	0.6	0.4	0.8	1	1	1	1
42	XASOE1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	XCVOE2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Dr. D. S. Dhanasekaran
Dean Academics (TIE)

Dr. D. S. Dhanasekaran
Dean IET

Dr. D. S. Dhanasekaran
H.O. / Biotechnology



Overall PO Attainment Report

Programme: 101 Academic Year: 2022-2023

Batch: 2019-2023 Section: A

Average Attained	1.8	1.4	1.2	1	0.9	0.4	0.7	0.6	0.7	0.7	0.7	0.8	1	1.2	1
Direct Attainment(80%)	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Prog. Exit Survey(10%)	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Alumni Survey(10%)	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Overall Attainment	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Attained	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

S. J.
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Devi
 Dean,
 Academics (TLE)
 Dean Academic,
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 (PMIST), Periyar Nagar, Vallam,
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Programme Articulation Matrix

Academic Year: 2022-2023

Programme: 101

Batch: 2019-2023

S.No.	Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
1	XMA101.1	3	2	0	1	2	0	0	0	0	1	0	2	3	1
2	XMA101.2	3	3	0	1	2	0	0	0	0	1	1	2	2	1
3	XMA101.3	3	3	0	1	2	0	1	0	0	1	2	1	2	1
4	XMA101.4	3	3	0	1	2	0	0	0	0	1	1	2	2	1
5	XMA101.5	3	3	0	1	1	0	0	0	0	1	1	1	3	1
6	XES102.1	1	1	0	0	0	3	3	2	0	0	0	1	2	2
7	XES102.2	1	1	0	0	0	3	3	2	0	0	0	1	2	2
8	XES102.3	1	1	0	0	0	3	3	2	0	0	0	1	2	2
9	XES102.4	1	1	0	0	0	3	3	2	0	0	0	1	2	2
10	XES102.5	1	1	0	0	0	3	3	2	0	0	0	1	2	2
11	XBE103.1	3	3	3	2	3	2	3	1	1	2	3	3	3	0
12	XBE103.2	3	3	3	1	3	1	3	1	1	1	2	3	3	0
13	XBE103.3	3	3	3	1	3	1	3	1	1	1	2	3	3	0

Dr. J. Pradeep
 Head / Biotechnology
 Dr. K. GEETHA

Pradeep
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Dr. K. GEETHA
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Programme Articulation Matrix

Programme: 101 Academic Year: 2022-2023

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14	XBE103.4	3	3	3	1	3	1	3	1	1	1	1	2	3	3	0
15	XBE103.5	3	3	3	1	3	1	3	1	1	1	1	2	3	3	0
16	XAP104.1	3	2	2	2	1	0	0	0	1	0	0	0	1	1	0
17	XAP104.2	3	0	1	0	1	0	0	0	0	0	0	0	1	1	0
18	XAP104.3	3	2	2	2	1	0	0	0	1	0	0	0	1	1	0
19	XAP104.4	3	2	2	2	1	0	0	0	1	0	0	0	1	1	0
20	XAP104.5	3	0	2	0	0	0	0	0	0	0	0	0	1	1	0
21	XEG105.1	3	3	3	2	3	2	3	1	1	1	2	3	3	3	0
22	XEG105.2	3	3	3	1	3	1	3	1	1	1	1	2	3	3	0
23	XEG105.3	3	3	3	1	3	1	3	1	1	1	1	2	3	3	0
24	XEG105.4	3	3	3	1	3	1	3	1	1	1	1	2	3	3	0
25	XEG105.5	3	3	3	1	3	1	3	1	1	1	1	2	3	3	0
26	XMA201.1	3	2	0	0	2	0	0	0	0	1	0	0	2	1	1
27	XMA201.2	3	1	0	0	0	0	0	0	0	1	0	0	1	1	1
28	XMA201.3	3	1	0	0	0	0	0	0	0	1	0	0	1	1	1

Daas Academia (TLE)

Daas/AET
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Dr. K. S. Technology



PERIYAR
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INSTITUTE OF HEALTH AND EDUCATION

Programme Articulation Matrix

2022-2023

Academic Year:

101

Programme:

2019-2023

Batch:

29	XMA201.4	3	2	0	0	0	0	0	0	0	1	0	1	1	1	1
30	XMA201.5	3	2	0	0	1	0	0	0	0	1	0	2	1	1	1
31	XCP202.1	3	2	0	0	3	0	0	0	0	0	2	3	2	1	1
32	XCP202.2	3	2	0	0	2	0	0	0	0	0	2	3	2	1	1
33	XCP202.3	2	2	1	2	2	0	0	0	0	0	2	2	2	1	1
34	XCP202.4	2	2	1	2	2	0	0	0	0	0	2	2	2	1	1
35	XCP202.5	2	2	1	0	2	0	0	1	0	2	2	2	2	1	1
36	XGS203.1	2	0	0	0	0	0	2	0	1	0	0	0	0	0	0
37	XGS203.2	2	0	0	0	0	0	2	0	1	0	0	0	0	0	0
38	XGS203.3	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0
39	XGS203.4	2	0	0	0	0	0	1	0	1	0	0	0	0	0	0
40	XGS203.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	XAC204.1	3	2	1	2	2	1	1	0	2	0	1	1	2	2	2
42	XAC204.2	3	2	1	3	1	1	1	0	2	0	1	0	2	2	2
43	XAC204.3	3	3	1	3	2	0	1	0	2	0	1	0	2	2	2

HOD / Biotechnology

Dean / F&T

Dean

Academics (T&E)

Programme Articulation Matrix

Academic Year: **2022-2023**

Programme: **101**

Batch: **2019-2023**

44	XAC204.4	3	2	1	2	3	1	1	0	1	0	1	0	1	1	2	2
45	XAC204.5	2	2	1	2	1	0	1	0	1	0	1	0	1	0	2	2
46	XWP205.1	2	1	2	2	1	0	0	1	1	0	1	0	1	2	0	0
47	XWP205.2	2	1	2	2	1	0	0	1	1	0	1	0	1	2	0	0
48	XWP205.3	2	1	2	2	1	0	0	1	1	0	1	0	1	2	0	0
49	XWP205.4	2	1	2	2	1	0	0	1	1	0	1	0	1	2	0	0
50	XWP205.5	2	1	2	2	1	0	0	1	1	0	1	0	1	2	0	0
51	XPS301.1	3	2	1	0	0	0	0	0	1	0	1	1	0	1	1	1
52	XPS301.2	3	2	1	0	0	0	0	0	1	1	1	1	0	1	1	1
53	XPS301.3	3	2	1	1	0	0	0	0	1	1	1	1	0	1	1	1
54	XPS301.4	3	2	1	1	1	1	1	0	1	1	1	1	1	1	1	1
55	XPS301.5	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
56	XBT302.1	3	3	2	3	2	0	2	0	0	0	0	0	0	0	2	2
57	XBT302.2	3	3	2	3	2	0	2	0	0	0	0	0	0	0	2	2
58	XBT302.3	3	3	2	3	2	0	2	0	0	0	0	0	0	0	2	2

Dr. *[Signature]* Head/Bio Technology
[Signature] Dean/FET
[Signature] Dean Academics (TLE)
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Programme Articulation Matrix

Programme: 101

Academic Year: 2022-2023

Batch: 2019-2023

59	XBT302.4	3	3	2	3	2	0	2	0	0	0	0	0	2	2
60	XBT302.5	3	3	2	3	2	0	2	0	0	0	0	0	2	2
61	XBT303.1	1	1	2	0	1	0	0	1	1	1	3	2	3	3
62	XBT303.2	1	1	2	0	1	0	0	1	1	1	0	3	2	2
63	XBT303.3	1	1	2	0	1	0	0	1	1	1	2	2	1	1
64	XBT303.4	1	1	2	0	1	0	0	1	1	1	0	1	0	0
65	XBT303.5	1	1	2	0	1	0	0	1	1	1	2	0	0	0
66	XBT304.1	3	3	1	1	1	0	1	0	1	1	1	0	0	0
67	XBT304.2	3	3	1	1	1	2	2	1	1	1	1	0	0	0
68	XBT304.3	3	1	2	3	1	2	1	0	1	1	1	2	0	0
69	XBT304.4	3	3	2	0	1	0	2	0	1	1	1	0	2	2
70	XBT304.5	3	2	2	3	1	2	2	1	1	1	1	2	2	2
71	XBT305.1	3	3	1	1	2	2	2	0	0	1	3	0	0	0
72	XBT305.2	3	3	2	2	1	2	2	0	0	2	2	1	1	1
73	XBT305.3	3	3	2	3	1	2	2	0	0	2	3	2	3	3

Dr. D
HOD/Biotechnology

Dear / FAT

Dear

Academics (TLE)

Programme Articulation Matrix

2022-2023

Programme: 101

Academic Year:

Batch: 2019-2023

74	XBT305.4	3	3	2	3	1	2	2	0	0	0	2	2	2	2
75	XBT305.5	3	3	2	3	1	2	2	0	0	0	2	3	3	3
76	XUM306.1	0	0	0	0	0	0	0	3	3	3	0	0	1	0
77	XUM306.2	0	0	0	0	0	0	0	3	3	3	0	0	1	0
78	XUM306.3	0	0	0	0	0	0	0	3	3	3	0	0	1	0
79	XUM306.4	0	0	0	0	0	0	0	3	3	3	0	0	1	0
80	XUM306.5	0	0	0	0	0	0	0	3	3	3	0	0	1	0
81	XBT307.1	2	0	0	0	0	0	0	0	0	0	0	0	1	0
82	XBT307.2	0	0	0	0	0	0	1	3	0	0	1	0	1	1
83	XBT307.3	0	0	0	0	0	0	0	0	3	1	3	0	3	3
84	XBT307.4	0	1	2	1	3	0	0	0	0	0	0	0	1	1
85	XBT307.5	0	0	0	3	0	0	0	0	0	3	0	0	1	1
86	XES401.1	3	0	0	0	0	0	0	0	0	0	1	2	1	1
87	XES401.2	2	3	0	1	0	0	0	1	0	0	0	1	1	1
88	XES401.3	0	1	3	0	0	0	0	0	0	0	0	1	1	1

Dr. D. S. D.
HOD/Biotechnology

Dr. S. J. F. T.
Dean

Dr. S. J. F. T.
Dean
Academics (TLF)



Programme Articulation Matrix

Programme: 101 **Academic Year:** 2022-2023

Batch: 2019-2023

89	XES401.4.	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
90	XES401.5	1	2	3	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1
91	XBT402.1	1	1	2	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1
92	XBT402.2	1	1	2	0	1	0	0	1	1	1	1	1	1	1	1	1	1	2
93	XBT402.3	1	1	2	0	1	0	0	1	1	1	1	1	1	1	2	2	3	3
94	XBT402.4	1	1	2	0	1	0	0	1	1	1	1	1	1	1	3	3	1	1
95	XBT402.5	1	1	2	0	1	0	0	1	1	1	1	1	1	1	1	1	2	2
96	XBT403.1	3	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1
97	XBT403.2	3	1	0	1	1	1	0	0	1	1	1	1	1	0	0	1	1	1
98	XBT403.3	3	1	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	1
99	XBT403.4	3	1	0	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1
100	XBT403.5	3	1	0	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1
101	XBT404.1	1	1	2	0	1	0	0	1	1	1	1	1	1	1	1	3	2	2
102	XBT404.2	1	1	2	0	1	0	0	1	1	1	1	1	1	1	2	2	3	3
103	XBT404.3	1	1	2	0	1	0	0	1	1	1	1	1	1	1	3	1	2	2

Sr. V. Sathya
HOD / Biotechnology

Deeds (FET)

Dean

Academics (TAE)



Programme Articulation Matrix

Programme: 101 2019-2023 Academic Year: 2022-2023

Batch: 2019-2023

104	XBT404.4	1	1	2	0	1	0	0	1	1	1	1	2	1	1
105	XBT404.5	1	1	2	0	1	0	0	1	1	1	1	1	1	1
106	XBT405.1	3	2	0	0	0	0	0	0	0	2	2	2	0	2
107	XBT405.2	3	3	2	2	1	0	2	0	0	2	2	2	3	2
108	XBT405.3	3	3	2	2	1	0	2	0	0	2	2	2	3	2
109	XBT405.4	3	3	2	3	1	1	2	0	0	2	2	2	2	2
110	XBT405.5	3	3	3	3	1	1	2	1	1	2	2	3	3	3
111	XUM406.1	0	0	0	1	2	0	1	1	1	2	1	1	0	0
112	XUM406.2	0	0	0	0	2	0	0	1	0	1	1	1	0	0
113	XUM406.3	0	0	2	0	0	3	2	1	3	3	3	3	0	1
114	XUM406.4	1	0	1	3	0	0	0	0	0	2	2	0	0	0
115	XUM406.5	1	1	1	3	0	0	0	0	0	2	2	1	0	0
116	XUM407.1	2	0	0	1	0	0	0	0	0	0	0	0	0	0
117	XUM407.2	2	0	0	1	0	0	0	0	0	0	0	0	0	0
118	XUM407.3	2	0	0	1	0	0	0	0	1	0	0	0	0	0

Dr. D. Sridharan
 HOD / Biotechnology

Dr. S. S. Srinivasan
 Dean / FET

Dr. S. S. Srinivasan
 Dean Academics (TLE)

Programme Articulation Matrix

Academic Year: **2022-2023**

Programme: **101**

Batch: **2019-2023**

119	XUM407.4	2	0	1	0	0	1	1	0	0	0	0	0	0
120	XUM407.5	2	2	0	1	0	0	1	1	0	0	0	0	0
121	XBT501.1	3	2	2	1	0	0	1	0	0	0	2	0	1
122	XBT501.2	3	3	2	2	0	0	1	0	0	0	0	0	1
123	XBT501.3	3	2	2	1	0	0	1	0	0	0	0	0	1
124	XBT501.4	2	3	2	2	0	0	0	0	0	0	1	0	1
125	XBT501.5	3	2	3	1	0	0	1	0	0	0	1	0	1
126	XBT502.1	1	1	2	0	1	0	0	1	1	1	3	3	2
127	XBT502.2	1	1	2	0	1	0	0	1	1	1	2	2	3
128	XBT502.3	1	1	2	0	1	0	0	1	1	1	1	2	2
129	XBT502.4	1	1	2	0	1	0	0	1	13	1	1	1	2
130	XBT502.5	1	1	2	0	1	0	0	1	1	1	1	1	2
131	XBT503.1	3	0	0	0	0	0	0	0	0	0	1	2	2
132	XBT503.2	2	3	2	0	1	0	1	0	3	2	3	3	3
133	XBT503.3	1	2	2	1	0	0	0	1	0	0	1	0	0

Debar/FET
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Dr. D. S. D. Technology

Dean Academic (CTLE)

Programme Articulation Matrix

Programme: 101 Academic Year: 2022-2023

Batch: 2019-2023

134	XBT503.4	1	3	2	3	0	0	0	0	0	0	0	1	0	0
135	XBT503.5	1	3	2	3	1	0	1	0	2				1	1
136	XUM506.1	2	0	0	0	0	0	0	0	0	0	0	0	2	0
137	XUM506.2	0	0	0	0	0	0	1	3	0	0	1	0	0	0
138	XUM506.3	0	0	0	0	0	0	0	0	3	1	3	1	0	0
139	XUM506.4	0	1	2	1	3	0	0	0	0	0	0	3	0	0
140	XUM506.5	0	0	0	3	0	0	0	0	0	3	0	1	0	0
141	XUM507.1	0	0	0	0	0	0	0	3	3	3	3	0	0	0
142	XUM507.2	0	0	0	0	0	0	0	3	3	3	3	0	0	0
143	XUM507.3	0	0	0	0	0	0	0	3	3	3	3	0	0	0
144	XUM507.4	0	0	0	0	0	0	0	3	3	3	3	0	0	0
145	XUM507.5	0	0	0	0	0	0	0	3	3	3	3	0	0	0
146	XBT508.1	2	0	0	0	0	0	0	0	0	0	0	0	0	0
147	XBT508.2	0	0	0	0	0	0	1	3	0	0	1	0	1	1
148	XBT508.3	0	0	0	0	0	0	0	0	3	1	3	0	3	3

HOD *Dr. P. P. P. P.* *Biotechnology*

Dr. P. P. P. P. / FET
Dean

Dean

Dr. P. P. P. P. Academic CTE

Programme Articulation Matrix

Programme: 101 Academic Year: 2022-2023

Batch: 2019-2023

149	XBT508.4	0	1	2	1	3	0	0	0	0	0	0	0	0	0	1	1
150	XBT508.5	0	0	0	3	0	0	0	0	3	0	0	0	0	0	1	1
151	XUM601.1	1	2	0	1	0	0	1	1	2	2	3	2	2	2	2	2
152	XUM601.2	2	2	1	2	0	0	2	1	2	3	3	2	2	2	2	2
153	XUM601.3	2	2	1	3	0	0	2	2	2	3	2	2	2	2	2	2
154	XUM601.4	1	2	1	2	0	0	0	1	1	2	3	2	2	2	2	2
155	XUM601.5	1	2	0	1	0	0	1	1	0	1	2	3	2	2	2	2
156	XBT602.1	3	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
157	XBT602.2	2	3	0	1	0	0	0	0	1	0	0	1	2	1	2	1
158	XBT602.3	0	1	3	0	0	0	0	0	0	0	0	2	3	1	1	1
159	XBT602.4	0	1	2	0	0	0	0	0	0	0	0	3	1	2	2	2
160	XBT602.5	1	2	3	1	0	0	0	0	0	0	0	2	1	3	1	3
161	XBT603.1	1	1	2	1	1	1	0	0	1	0	1	0	0	0	0	0
162	XBT603.2	3	0	3	2	2	1	0	0	0	0	1	0	0	0	0	0
163	XBT603.3	3	0	3	1	3	0	0	0	0	2	0	0	0	0	0	0

Dear Academics (TLE)

Dear F&T

SH. J. S
Mod Biotechnology

Programme Articulation Matrix

Programme: 101 Academic Year: 2022-2023

Batch: 2019-2023

164	XBT603.4	3	0	3	1	3	0	0	2	0	1	0	0	0	0	0
165	XBT603.5	3	0	3	2	3	2	3	3	0	1	2	0	0	0	0
166	XBT604.1	3	2	2	1	1	1	1	0	0	0	1	1	3	3	0
167	XBT604.2	3	2	2	1	0	1	1	0	0	0	1	1	2	2	0
168	XBT604.3	2	0	0	0	1	0	0	0	0	0	0	0	2	1	0
169	XBT604.4	3	2	1	0	0	0	0	0	0	0	0	0	1	2	0
170	XBT604.5	3	2	2	1	1	1	1	0	0	0	1	1	1	1	0
171	XBT701B.1	2	0	1	1	2	2	0	0	1	1	1	1	2	0	0
172	XBT701B.2	1	1	1	1	2	2	1	2	1	2	2	2	1	0	0
173	XBT701B.3	2	2	2	2	1	2	2	0	2	2	1	1	2	0	0
174	XBT701B.4	2	1	3	2	2	3	2	0	1	1	0	0	3	0	0
175	XBT701B.5	2	3	2	2	3	3	2	2	2	2	1	1	3	0	0
176	XBT702.1	0	0	1	0	2	0	0	0	2	0	0	0	0	0	0
177	XBT702.2	2	2	1	3	0	0	0	0	0	0	0	0	0	0	0
178	XBT702.3	2	1	1	2	0	0	0	0	0	0	0	0	0	0	0

Sh. D. ...
HOD / Biotechnology

Deer / FET
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Deer

Academics (TLF)

Programme Articulation Matrix

Programme: 101

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Batch: 2019-2023

179	XBT702.4	1	3	3	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	XBT702.5	1	2	3	0	3	0	0	0	0	0	2	0	0	0	0	0	0	0	0
181	XBT703.1	3	0	2	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0	1
182	XBT703.2	2	3	2	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1
183	XBT703.3	2	3	1	2	0	0	0	0	1	0	0	0	1	0	0	1	2	1	1
184	XBT703.4	2	1	3	2	0	0	3	0	1	0	0	0	2	0	2	3	3	3	3
185	XBT703.5	2	2	3	1	0	2	1	0	0	1	0	0	2	2	2	2	3	3	3
186	XBT704A.1	3	2	2	1	2	1	0	0	2	2	2	2	2	2	2	3	2	2	2
187	XBT704A.2	2	2	2	2	3	3	2	1	0	0	0	0	3	1	1	1	1	1	1
188	XBT704A.3	3	3	2	2	2	0	0	0	1	0	2	2	2	2	2	2	3	3	3
189	XBT704A.4	2	0	0	3	1	0	0	0	0	0	0	0	0	0	0	1	1	2	2
190	XBT704A.5	3	3	2	3	2	2	1	2	2	2	1	2	1	1	1	1	1	1	1
191	XUM706.1	3	3	3	3	3	0	2	2	2	0	0	0	0	0	0	3	2	2	2
192	XUM706.2	3	3	3	3	2	1	1	1	2	0	0	0	0	0	0	3	2	2	2
193	XUM706.3	0	3	2	2	0	1	2	2	0	0	0	0	0	0	0	0	0	0	0

HOD / Biotechnology
 SK
 Dean / FET
 Prathima
 Dean
 Dean Academics (TLE)
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PERIYAR
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Programme Articulation Matrix

Programme: 101

Academic Year: 2022-2023

Batch: 2019-2023

194	XUM706.4	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0
195	XUM706.5	3	2	3	3	3	0	2	2	2	0	0	0	3	2	0	0	0
196	XBT707.1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197	XBT707.2	0	0	0	0	0	0	1	3	0	0	1	0	1	1	0	0	1
198	XBT707.3	0	0	0	0	0	0	0	0	3	1	3	0	0	3	0	0	3
199	XBT707.4	1	2	1	3	0	0	0	0	0	0	0	0	0	1	0	0	1
200	XBT707.5	0	0	0	3	0	0	0	0	0	3	0	0	0	1	0	0	1
201	XBT801.1	3	3	0	0	0	1	1	1	0	0	0	1	1	1	0	1	1
202	XBT801.2	2	2	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1
203	XBT801.3	1	1	1	2	2	1	1	1	0	0	0	0	0	1	0	0	1
204	XBT801.4	2	2	3	3	3	1	1	1	0	0	0	0	0	1	0	0	1
205	XBT801.5	1	1	1	1	0	0	0	0	2	3	2	3	1	1	0	0	1
206	XASOE1.1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
207	XASOE1.1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
208	XCYOE2.1	3	0	2	0	1	2	0	0	0	0	0	0	0	0	0	0	0

HOD / Bio-Technology
 Deen
 Academics (PLE)
 Deen / FET
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Programme Articulation Matrix



Programme: 101
 Batch: 2019-2023
 Academic Year: 2022-2023

209	XCYOE2.2	2	1	0	0	1	0	2	0	0	0	1	0	0	0	0	0
210	XCYOE2.3	2	1	0	0	1	0	1	0	0	0	0	1	0	0	0	0
211	XCYOE2.4	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0
212	XCYOE2.5	2	1	0	2	1	1	2	0	0	0	1	1	0	0	0	0
Average		1.8	1.4	1.3	1	0.9	0.4	0.7	0.6	0.7	0.7	0.7	0.9	1.1	1.2	1	1

[Signature]
 Head
 Department of Biotechnology
 Periyar Maniammai Institute of
 Science & Technology, Vallam
 Thanjavur - 613 403, Tamilnadu

[Signature]
 Dean (FET)
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