

## Section 1: Policy And Institutionalization Of I&E Activities In HEIs (Academic Calendar Year 2020-21 & 2021-22)

### 1.1) Adoption Level of Innovation and Entrepreneurship (I&E) Policy in HEIs: Registration; Policy Formulation; Policy Implementation

Completion of Action Items (status as on 7th November 2022 )	Status
Registered in the NISP portal for I&E Policy Adoption	Yes
Institute has Formulated an Innovation and Entrepreneurship (I&E) Policy	Yes
Institute has Action Plans for Implementation of the I&E Policy	Yes

**Contact:**

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### 1.2) Performance Level of Institution's Innovation Councils (IICs) Established in HEIs: Scores and Stars Obtained

Annual Performances of IIC Institute	Stars Secured
IIC 1.0 (2018-19)	
IIC 2.0 (2019-20)	1
IIC 3.0 (2020-21)	0
IIC 4.0 (2021-22)	4

**Contact:**

IIC President of the Institute:	Dr.R.Balagurunathan
Designation:	Professor and Head

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### 1.3) Activeness of Trained Innovation Ambassadors in Driving Campus I&E Ecosystems in HEIs: Trained IA/HEI and Nos of Prescribed Activities undertaken by IA

Sr. No.	Name of the Faculty IA	Level of Training	No of I&E Expert Talks/Sessions Conducted
1	Dr.K.Thangavel	Advance	2
2	Dr. T. Poongodi Vijayakumar	Advance	3
3	Dr.R.Balagurunathan	Advance	1
4	Dr.K.Krishnakumar	Advance	3
5	Dr.K.Jayaraman	Advance	3
6	DR. I. LAURENCE AROQUIARAJ	Advance	3
7	Dr. G.Yoganandan	Advance	3
8	DR. P. MAADESWARAN	Advance	2
9	DR. V. MANJU	Advance	2
10	Dr.S.Lakshmi Manokari	Advance	2

### 1.4) Participation in KAPILA/SIH Program

HEI Registered in the KAPILA Portal	U-0470	Yes
HEI Participated in the Smart India Hackathon (2022)	U-0470	Yes

## Section 2: Teaching and Learning: Academic Programs related to Innovation and Entrepreneurship (I&E) Offered by the HEI

## 2.1) Academic Courses in Innovation, Entrepreneurship and IPR

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
1	Cost and Management Accounting	18COMCO11	2020-21	Core Course	Master	Commerce	4
2	Direct Taxes and Corporate Tax Planning	18COMC013	2020-21	Core Course	Master	Commerce	4
3	Innovation and Entrepreneurship	18COMC14	2020-21	Core Course	Master	Commerce	4
4	Corporate Governance and Business Ethics	18COMC15	2020-21	Core Course	Master	Commerce	4
5	Security Analysis and Portfolio Management	18COMC12	2020-21	Core Course	Master	Commerce	4
6	E-Commerce	18COMC16	2020-21	Core Course	Master	Commerce	4
7	Strategic Management	18COMC18	2020-21	Core Course	Master	Commerce	4
8	Financial Markets Institutions and Financial Services	18COMC20	2020-21	Core Course	Master	Commerce	4
9	Indirect Taxation including GST	18COMC21	2020-21	Core Course	Master	Commerce	4
10	Organisational Process	18COMC01	2020-21	Core Course	Master	Commerce	4
11	Financial Accounting	18COMC02	2020-21	Core Course	Master	Commerce	4

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
12	Managerial Economics	18COMC04	2020-21	Core Course	Master	Commerce	4
13	Statistical Analysis	18COM03	2020-21	Core Course	Master	Commerce	4
14	Managerial Economics	18COMC04	2020-21	Core Course	Master	Commerce	4
15	Business Communication Skills	18COMC05	2020-21	Core Course	Master	Commerce	4
16	Foundations of Library and Information Science	18UPLIS1C01	2020-21	Core Course	Master	Library and Information Science	4
17	Information Communication Technology	18UPLIS1C02	2020-21	Core Course	Master	Library and Information Science	4
18	Management of Library and Information Centers	18UPLIS1C03	2020-21	Core Course	Master	Library and Information Science	4
19	Information Processing Classification Theory	18UPLIS1C04	2020-21	Core Course	Master	Library and Information Science	4
20	Information Processing Classification Practice(DDC CC)	18UPLIS1C05	2020-21	Core Course	Master	Library and Information Science	4
21	Computer Laboratory Practice	18UPLIS1C06	2020-21	Core Course	Master	Library and Information Science	4
22	Information System and Services	18UPLIS1C07	2020-21	Core Course	Master	Library and Information Science	4

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
23	Library Automation and Digital Library (Theory)	18UPLIS1C08	2020-21	Core Course	Master	Library and Information Science	4
24	Information Processing Cataloguing Theory	18UPLIS1C09	2020-21	Core Course	Master	Library and Information Science	4
25	Information Retrieval Systems	18UPLIS1C11	2020-21	Core Course	Master	Library and Information Science	4
26	Research Methodology	18UPLIS1C12	2020-21	Core Course	Master	Library and Information Science	4
27	Knowledge Management	18UPLIS1C13	2020-21	Core Course	Master	Library and Information Science	4
28	Preservation and Conservation of Library resources	18UPLIS1C14	2020-21	Core Course	Master	Library and Information Science	4
29	Library Automation and Digital Library Practice	18UPLIS1C15	2020-21	Core Course	Master	Library and Information Science	4
30	Internship	18UPLIS1C16	2020-21	Core Course	Master	Library and Information Science	4
31	Multimedia Tools(Practical)	18UPLIS1C19	2020-21	Core Course	Master	Library and Information Science	4
32	Bibliometrics	18UPLIS1E05	2020-21	Elective Course	Master	Library and Information Science	4
33	Academic Library System	18UPLIS1E10	2020-21	Elective Course	Master	Library and Information Science	4

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
34	Foundations of Library and Information Science	21UPLIS1C01	2021-22	Core Course	Master	Library and Information Science	4
35	Information Communication Technology	21UPLIS1C02	2021-22	Core Course	Master	Library and Information Science	4
36	Management of Library and Information Centers	21UPLIS1C03	2021-22	Core Course	Master	Library and Information Science	4
37	Information Processing Classification Theory	21UPLIS1C04	2021-22	Core Course	Master	Library and Information Science	4
38	Information Processing Classification Practice(DDC and CC)	21UPLIS1C05	2021-22	Core Course	Master	Library and Information Science	4
39	Computer Laboratory Practice	21UPLIS1C06	2021-22	Core Course	Master	Library and Information Science	4
40	Information System and Services	21UPLIS1C07	2021-22	Core Course	Master	Library and Information Science	4
41	Library Automation and Digital Library (Theory)	21UPLIS1C08	2021-22	Core Course	Master	Library and Information Science	4
42	Information Processing Cataloguing Theory	21UPLIS1C09	2021-22	Core Course	Master	Library and Information Science	4
43	Information Processing Cataloguing Practice AACR II and UDC	21UPLIS1C10	2021-22	Core Course	Master	Library and Information Science	4
44	Information Retrieval Systems	21UPLIS1C11	2021-22	Core Course	Master	Library and Information Science	4

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45	Research Methodology	21UPLIS1C12	2021-22	Core Course	Master	Library and Information Science	4
46	Knowledge Management	21UPLIS1C13	2021-22	Core Course	Master	Library and Information Science	4
47	Preservation and Conservation of Library resources	21UPLIS1C14	2021-22	Core Course	Master	Library and Information Science	4
48	Library Automation and Digital Library Practice	21UPLIS1C15	2021-22	Core Course	Master	Library and Information Science	4
49	Internship	21UPLIS1C16	2021-22	Core Course	Master	Library and Information Science	4
50	Multimedia Tools(Practical)	21UPLIS1C19	2021-22	Core Course	Master	Library and Information Science	4
51	Project	21UPLIS1C20	2021-22	Core Course	Master	Library and Information Science	4
52	Bibliometrics	21UPLIS1E05	2021-22	Elective Course	Master	Library and Information Science	4
53	Academic Library System	21UPLIS1E07	2021-22	Elective Course	Master	Library and Information Science	4
54	Spectroscopy	18UPCHE1C17	2021-22	Core Course	Master	Department of Chemistry	4
55	Medicinal Chemistry	18UPCHE1E01	2021-22	Elective Course	Master	Department of Chemistry	4

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56	Organic Synthesis and Natural Products	18UPCHE1C12	2021-22	Core Course	Master	Chemistry	4
57	Organometallic and Bioinorganic Chemistry	18UPCHE1C13	2021-22	Core Course	Master	Chemistry	4
58	Physical Methods in Chemistry	18UPCHE1C14	2021-22	Core Course	Master	Chemistry	4
59	Inorganic Chemistry Practical II	18UPCHE1C15	2021-22	Core Course	Master	Chemistry	4
60	Physical Chemistry Practical -II	18UPCHE1C16	2021-22	Core Course	Master	Chemistry	4
61	Environmental Chemistry	18UPCHE1E02	2021-22	Elective Course	Master	Chemistry	4
62	Project	18UPCHE1C18	2021-22	Core Course	Master	Chemistry	4
63	Organic Synthesis and Natural Products	18UPCHE1C12	2020-21	Core Course	Master	Chemistry	4
64	Organometallic and Bioinorganic Chemistry	18UPCHE1C13	2020-21	Core Course	Master	Chemistry	4
65	Physical Methods in Chemistry	18UPCHE1C14	2020-21	Core Course	Master	Chemistry	4
66	Environmental Chemistry	18UPCHE1E02	2020-21	Elective Course	Master	Chemistry	4



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67	Spectroscopy	18UPCHE1C17	2020-21	Core Course	Master	Chemistry	4
68	Medicinal Chemistry	18UPCHE1E01	2020-21	Elective Course	Master	Chemistry	4
69	Project	18UPCHE1C18	2020-21	Core Course	Master	Chemistry	4
70	Inorganic Chemistry Practical -II	18UPCHE1C15	2020-21	Core Course	Master	Chemistry	4
71	Physical Chemistry Practical II	18UPCHE1C16	2020-21	Core Course	Master	Chemistry	4
72	Molecular Biology and Applied Biotechnology	18MBC07	2021-22	Core Course	Master	Department of Microbiology	5
73	Bio Nanotechnology and Infectomics	18MBC08	2021-22	Core Course	Master	Department of Microbiology	5
74	Food Soil and Environmental Microbiology	18MBC09	2021-22	Core Course	Master	Department of Microbiology	5
75	Molecular Biology and Biotechnology Practical	18MBCP05	2021-22	Core Course	Master	Department of Microbiology	4
76	Applied Microbiology Practical	18MBCP06	2021-22	Core Course	Master	Department of Microbiology	4
77	Research Methodology and Computational biology	18MBC10	2021-22	Core Course	Master	Department of Microbiology	5

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78	General Microbiology	21UPMBC1C01	2021-22	Core Course	Master	Department of Microbiology	4
79	Immunology and Vaccinology	21UPMBC1C02	2021-22	Core Course	Master	Department of Microbiology	4
80	Pharmaceutical Chemistry	21UPMBC1C03	2021-22	Core Course	Master	Department of Microbiology	4
81	Basic Techniques in Microbiology Practical	21UPMBC1P01	2021-22	Core Course	Master	Department of Microbiology	3
82	Immunology and Pharmaceutical chemistry Practical	21UPMBC1P02	2021-22	Core Course	Master	Department of Microbiology	3
83	Biofertilizers and Biocontrol Agents	21UPMBC1E01	2021-22	Elective Course	Master	Department of Microbiology	4
84	Medical Bacteriology and Parasitology	21UPMBC1C04	2021-22	Core Course	Master	Department of Microbiology	4
85	Medical Mycology and Virology	21UPMBC1C05	2021-22	Core Course	Master	Department of Microbiology	4
86	Bioresource Technology	21UPMBC1C06	2021-22	Core Course	Master	Department of Microbiology	4
87	IPR Biosafety and Bioethics	21UPMBC1E05	2021-22	Elective Course	Master	Department of Microbiology	4
88	Diagnostic Microbiology Practical	21UPMBC1P03	2021-22	Core Course	Master	Department of Microbiology	3

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
89	Industrial Microbiology	21UPMBC1P04	2021-22	Core Course	PhD	Department of Microbiology	3
90	Basics of Microbiology	18MBC01	2020-21	Core Course	Master	Department of Microbiology	5
91	Immunology and Immunotechnology	18MBC02	2020-21	Core Course	Master	Department of Microbiology	5
92	Pharmaceutical Biochemistry	18MBC03	2020-21	Core Course	Master	Department of Microbiology	5
93	Biocontrol and Entomology	18MBCE01	2020-21	Elective Course	Master	Department of Microbiology	4
94	General Microbiology Practical	18MBCP01	2020-21	Core Course	Master	Department of Microbiology	4
95	Immunology and Pharmaceutical chemistry Practical	18MBCP02	2020-21	Core Course	Master	Department of Microbiology	5
96	Medical Bacteriology and Parasitology	18MBC04	2020-21	Core Course	Master	Department of Microbiology	5
97	Medical Mycology and Virology	18MBC05	2020-21	Core Course	Master	Department of Microbiology	5
98	Bioresource Technology	18MBC06	2020-21	Core Course	Master	Department of Microbiology	5
99	IPR Biosafety and Bioethics	18MBCE02	2020-21	Elective Course	Master	Department of Microbiology	4

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100	Medical Microbiology	18MBCP03	2020-21	Core Course	Master	Department of Microbiology	4
101	Industrial Microbiology Practical	18MBCP04	2020-21	Core Course	Master	Department of Microbiology	4
102	Molecular Biology and Applied Biotechnology	18MBC07	2020-21	Core Course	Master	Department of Microbiology	5
103	Food Soil and Environmental Microbiology	18MBC09	2020-21	Core Course	Master	Department of Microbiology	5
104	Molecular Biology and Biotechnology Practical	18MBCP05	2020-21	Core Course	Master	Department of Microbiology	4
105	Applied Microbiology Practical	18MBCP06	2020-21	Core Course	Master	Department of Microbiology	4
106	Research Methodology and Computational biology	18MBC10	2020-21	Core Course	Master	Department of Microbiology	5
107	Microeconomics -I	18ECOC01	2020-21	Core Course	Master	Economics	5
108	MacroEconomics -i	18ECOC02	2020-21	Core Course	Master	Economics	5
109	Statistics for Economics	18ECOC03	2020-21	Core Course	Master	Economics	5
110	Indian Economy	18ECOE01	2020-21	Elective Course	Master	Economics	4

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111	Micro Economics-II	18ECOC04	2020-21	Core Course	Master	Economics	5
112	Macro Economics-II	18ECOC05	2020-21	Core Course	Master	Economics	5
113	Mathematics for Economics	18ECOC06	2020-21	Core Course	Master	Economics	5
114	Agricultural Economics	18ECOE02	2020-21	Elective Course	Master	Economics	5
115	Research Methodology	18ECOC07	2020-21	Core Course	Master	Economics	5
116	Public Finance-I	18ECOC08	2020-21	Core Course	Master	Economics	5
117	Development Economics	18ECOC09	2020-21	Core Course	Master	Economics	5
118	Econometrics	18ECOC10	2020-21	Core Course	Master	Economics	5
119	Money Banking and Finance	18ECOE03	2020-21	Elective Course	Master	Economics	5
120	Public Finance-II	18ECOC11	2020-21	Core Course	Master	Economics	5
121	Environmental Economics	18ECOC12	2020-21	Core Course	Master	Economics	5

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122	International Economics	18ECOE04	2020-21	Elective Course	Master	Economics	5
123	Micro Economics-I	21UPECO3C01	2021-22	Core Course	Master	Economics	4
124	Macro Economics-I	21UPECO3C02	2021-22	Core Course	Master	Economics	4
125	Mathematics for Economics	21UPECO3C03	2021-22	Core Course	Master	Economics	4
126	Industrial Economics	21UPECO3C04	2021-22	Core Course	Master	Economics	4
127	Indian Economy	21UPECO3E01	2021-22	Elective Course	Master	Economics	4
128	Micro Economics-II	21UPECO3C05	2021-22	Core Course	Master	Economics	4
129	Macro Economics-II	21UPECO3C06	2021-22	Core Course	Master	Economics	4
130	Statistical Techniques	21UPECO3C07	2021-22	Core Course	Master	Economics	4
131	Research Methodology	18ECOC07	2021-22	Core Course	Master	Economics	4
132	Public Finance-I	18ECOC08	2021-22	Core Course	Master	Economics	5

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133	Development Economics	18ECOC09	2021-22	Core Course	Master	Economics	5
134	Econometrics	18ECOC10	2021-22	Core Course	Master	Economics	5
135	Money Banking and Finance	18ECOE03	2021-22	Core Course	Master	Economics	5
136	Public Finance-II	18ECOC11	2021-22	Core Course	Master	Economics	5
137	Environmental Economics	18ECOC12	2021-22	Core Course	Master	Economics	5
138	International Economics	18ECOE04	2021-22	Elective Course	Master	Economics	5
139	Advanced Power Plant Engineering	19UPESC2C11	2020-21	Core Course	Master	Energy Science and Technology	4
140	Advanced Energy Storage technologies	19UPESC2C12	2020-21	Core Course	Master	Energy Science and Technology	4
141	Waste Management and Energy Recovery Techniques	19UPESC2E10	2020-21	Elective Course	Master	Energy Science and Technology	4
142	Energy Resources	19UPESC2C01	2020-21	Core Course	Master	Energy Science and Technology	4
143	Fluid Mechanics and Heat Transfer	19UPESC2C02	2020-21	Core Course	Master	Energy Science and Technology	4

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144	Thermodynamics	19UPESC2C03	2020-21	Core Course	Master	Energy Science and Technology	4
145	Environmental Engineering and Pollution Control	19UPESC2C04	2020-21	Core Course	Master	Energy Science and Technology	4
146	Energy Auditing and Management	19UPESC2C05	2020-21	Core Course	Master	Energy Science and Technology	4
147	Solar Energy Technologies	19UPESC2E01	2020-21	Elective Course	Master	Energy Science and Technology	4
148	Energy Laboratory	19UPESC2C06	2020-21	Core Course	Master	Energy Science and Technology	2
149	Energy Conservation in Industrial Utilities	19UPESC2C07	2020-21	Core Course	Master	Energy Science and Technology	4
150	Energy Efficient Buildings Design	19UPESC2C08	2020-21	Core Course	Master	Energy Science and Technology	4
151	Power Generation Transmission and Distribution	19UPESC2C09	2020-21	Core Course	Master	Energy Science and Technology	4
152	Wind Energy Systems	19UPESC2E04	2020-21	Elective Course	Master	Energy Science and Technology	4
153	Computational Fluid Dynamics	19UPESC2E05	2020-21	Elective Course	Master	Energy Science and Technology	4
154	Analysis and Simulation Laboratory Engineering	19UPESC2C10	2020-21	Core Course	Master	Energy Science and Technology	2



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155	Advanced Power Plant Engineering	19UPESC2C11	2021-22	Core Course	Master	Energy Science and Technology	4
156	Advanced Energy Storage technologies	19UPESC2C12	2021-22	Core Course	Master	Energy Science and Technology	4
157	Waste Management and Energy Recovery Techniques	19UPESC2E10	2021-22	Elective Course	Master	Energy Science and Technology	4
158	Energy Scenario Policy and Environment	21UPEST2C01	2020-21	Core Course	Master	Energy Science and Technology	4
159	Fluid Flow and Heat Transfer	21UPEST2C02	2020-21	Core Course	Master	Energy Science and Technology	4
160	Thermodynamic Analysis of Energy Systems	21UPEST2C03	2021-22	Core Course	Master	Energy Science and Technology	4
161	Energy Auditing and Management	21UPEST2C04	2021-22	Core Course	Master	Energy Science and Technology	4
162	Solar Energy Technologies	21UPEST2E01	2021-22	Elective Course	Master	Energy Science and Technology	4
163	Energy Laboratory	21UPEST2C05	2021-22	Core Course	Master	Energy Science and Technology	2
164	Energy Efficiency in Thermal and Electrical Utilities	21UPEST2C06	2021-22	Core Course	Master	Energy Science and Technology	4
165	Power Generation and System Planning	21UPEST2C07	2021-22	Core Course	Master	Energy Science and Technology	4

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166	Solar Energy for Industrial Process Heat	21UPEST2C08	2021-22	Core Course	Master	Energy Science and Technology	4
167	Computational Fluid Dynamics	21UPEST2C09	2021-22	Core Course	Master	Energy Science and Technology	4
168	Analysis and Simulation Laboratory Engineering	21UPEST2C10	2021-22	Core Course	Master	Energy Science and Technology	2
169	Wind Energy Conversion Systems	21UPEST2E05	2021-22	Core Course	Master	Energy Science and Technology	4
170	Fuel Cells	18UPESC1C09	2020-21	Core Course	Master	Energy Science and Technology	4
171	Wind Energy	18UPESC1C10	2020-21	Core Course	Master	Energy Science and Technology	4
172	Industrial Instrumentation	18UPESC1C11	2020-21	Core Course	Master	Energy Science and Technology	4
173	Bio Energy Conversion	18UPESC1E04	2020-21	Elective Course	Master	Energy Science and Technology	4
174	Energy storage Systems	18UPESC1C13	2020-21	Core Course	Master	Energy Science and Technology	4
175	Hydrogen and Fuel Cells	18UPESC1E05	2020-21	Elective Course	Master	Energy Science and Technology	4
176	Applied Mathematics for Energy	Energy Science and Technology	2020-21	Core Course	Master	Energy Science and Technology	4

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177	Basics of Energy Science	18UPESC1C02	2020-21	Core Course	Master	Energy Science and Technology	4
178	Energy Audit and Management	18UPESC1C03	2020-21	Core Course	Master	Energy Science and Technology	4
179	Energy Laboratory I	18UPESC1C04	2020-21	Core Course	Master	Energy Science and Technology	4
180	Basics of solar cell	18UPESC1E01	2020-21	Elective Course	Master	Energy Science and Technology	4
181	Energy Economics and Policies	18UPESC1C05	2020-21	Core Course	Master	Energy Science and Technology	4
182	Basics of Thermodynamics	18UPESC1C06	2020-21	Core Course	Master	Energy Science and Technology	3
183	Fabrication of Solar Cells	18UPESC1C07	2020-21	Core Course	Master	Energy Science and Technology	4
184	Energy Laboratory II	18UPESC1C08	2020-21	Core Course	Master	Energy Science and Technology	4
185	Basics of fluid Mechanics	18UPESC1E02	2020-21	Elective Course	Master	Energy Science and Technology	4
186	Fuel cells	18UPESC1C09	2021-22	Core Course	Master	Energy Science and Technology	4
187	Wind Energy	18UPESC1C10	2021-22	Core Course	Master	Energy Science and Technology	4

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188	Industrial Instrumentation	18UPESC1C11	2021-22	Core Course	Master	Energy Science and Technology	4
189	Bio Energy Conversion	18UPESC1E04	2021-22	Elective Course	Master	Energy Science and Technology	4
190	Applied Mathematics for Energy	18UPESC1C13	2021-22	Core Course	Master	Energy Science and Technology	4
191	Basics of Fluid Mechanics and Heat Transfer	21UPEST1C02	2021-22	Core Course	Master	Energy Science and Technology	4
192	Energy Audit and Management	21UPEST1C03	2021-22	Core Course	Master	Energy Science and Technology	4
193	Wind Energy	21UPEST1C04	2021-22	Core Course	Master	Energy Science and Technology	4
194	Energy Laboratory I	21UPEST1C05	2021-22	Core Course	Master	Energy Science and Technology	2
195	Renewable Energy System	21UPEST1E02	2021-22	Elective Course	Master	Energy Science and Technology	4
196	English For Employability	18ENGE01	2020-21	Core Course	Master	DEPARTMENT OF ENGLISH	4
197	World Short Stories	18ENGE02	2020-21	Elective Course	Master	DEPARTMENT OF ENGLISH	4
198	Literary Theory	18ENG08	2020-21	Elective Course	Master	DEPARTMENT OF ENGLISH	5

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199	Shakespeare II	18ENGCO9	2020-21	Core Course	Master	DEPARTMENT OF ENGLISH	5
200	Intensive Study of an Author Rabindranath Tagore	18ENGCO10	2020-21	Core Course	Master	DEPARTMENT OF ENGLISH	5
201	Translation Studies	18ENGCO13	2020-21	Core Course	Master	DEPARTMENT OF ENGLISH	5
202	Post -Colonial Studies	18ENGCO14	2020-21	Core Course	Master	DEPARTMENT OF ENGLISH	5
203	British Literature I	18ENGCO1	2020-21	Core Course	Master	DEPARTMENT OF ENGLISH	5
204	British Literature II	18ENGCO2	2020-21	Core Course	Master	DEPARTMENT OF ENGLISH	5
205	British Literature III	18ENGCO3	2020-21	Core Course	Master	DEPARTMENT OF ENGLISH	5
206	American Literature	18ENGCO4	2020-21	Core Course	Master	DEPARTMENT OF ENGLISH	5
207	English for Employability	18ENGE01	2020-21	Elective Course	Master	DEPARTMENT OF ENGLISH	4
208	Shakespeare I	18ENGCO5	2020-21	Core Course	Master	DEPARTMENT OF ENGLISH	5
209	Indian Writing in English	18ENGCO6	2020-21	Core Course	Master	DEPARTMENT OF ENGLISH	5

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
210	Language and Linguistics	18ENGCO7	2020-21	Core Course	Master	DEPARTMENT OF ENGLISH	5
211	Literary Theory	18ENGCO8	2021-22	Core Course	Master	DEPARTMENT OF ENGLISH	5
212	Shakespeare II	18ENGCO9	2021-22	Core Course	Master	DEPARTMENT OF ENGLISH	5
213	Intensive Study of an Author Rabindranath Tagore	18ENGCO10	2021-22	Core Course	Master	DEPARTMENT OF ENGLISH	5
214	Study of Genres Autobiography and Biography	18ENGE03	2021-22	Core Course	Master	DEPARTMENT OF ENGLISH	4
215	British Literature I	18ENGCO1	2021-22	Elective Course	Master	DEPARTMENT OF ENGLISH	5
216	British Literature II	18ENGCO2	2021-22	Core Course	Master	DEPARTMENT OF ENGLISH	5
217	British Literature III	18ENGCO3	2021-22	Core Course	Master	DEPARTMENT OF ENGLISH	5
218	American Literature	18ENGCO4	2021-22	Core Course	Master	DEPARTMENT OF ENGLISH	5
219	Ecology and Biodiversity Conservation	19UPEVS1C01	2020-21	Core Course	Master	Environmental Science	5
220	Environmental Chemistry	19UPEVS1C02	2020-21	Core Course	Master	Environmental Science	5

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
221	Environmental Microbiology	19UPEVS1C03	2020-21	Core Course	Master	Environmental Science	5
222	Environmental Biochemistry and Toxicology	19UPEVS1C04	2020-21	Core Course	Master	Environmental Science	5
223	Energy and Environment	19UPEVS1E01	2020-21	Elective Course	Master	Environmental Science	4
224	Practical I	19UPEVS1P01	2020-21	Core Course	Master	Environmental Science	3
225	Waste Management	19UPEVS3C08	2020-21	Core Course	Master	Environmental Science	5
226	Environmental Impact Assessment	19UPEVS3C09	2020-21	Core Course	Master	Environmental Science	5
227	Environmental Biotechnology	19UPEVS3C10	2020-21	Core Course	Master	Environmental Science	5
228	Research Methodology and Instrumentation	19UPEVS3C11	2020-21	Core Course	Master	Environmental Science	4
229	Practical - III	19UPEVS3P03	2020-21	Core Course	Master	Environmental Science	3
230	Major Core Paper 1 - Earth Ecology and Environment	20UPEVS2C01	2020-21	Core Course	Master	Environmental Science	5
231	Practical - I -Earth Ecology and Environment	20UPEVS2P01	2020-21	Core Course	Master	Environmental Science	2

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
232	Field Project Work	20UPEVS2FS1	2020-21	Core Course	Master	Environmental Science	1
233	Environmental Pollution and Control Strategies	19UPEVS1C05	2020-21	Core Course	Master	Environmental Science	5
234	Environmental Geoinformatics	19UPEVS1C06	2020-21	Core Course	Master	Environmental Science	5
235	Climate Change and Current Issues	19UPEVS1C07	2020-21	Core Course	Master	Environmental Science	4
236	Eco-Tourism and Wildlife Management - Environmental Nanotechnology	19UPEVS1E02-19UPEVS1E03	2020-21	Elective Course	Master	Environmental Science	4
237	ENVIRONMENTAL LAWS AND POLCIES	19UPEVS3C08	2020-21	Core Course	Master	Environmental Science	5
238	ENVIRONMENTAL HEALTH AND SAFTETY	19UPEVS3C09	2020-21	Core Course	Master	Environmental Science	5
239	INDUSTRIAL VISITS - STUDY TOUR	19UPEVS3C10	2020-21	Core Course	Master	Environmental Science	2
240	Major Core Paper 2	20UPEVS2C02	2020-21	Core Course	Master	Environmental Science	5
241	Environmental Chemistry Practical	20UPEVS2P02	2020-21	Core Course	Master	Environmental Science	2
242	Field Project Work	20UPEVS2FS2	2020-21	Core Course	Master	Environmental Science	1



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243	SBEC Biocomposting	20UPEVS2K02	2020-21	Elective Course	Master	Environmental science	2
244	Ecology and Biodiversity Conservation	21UPEVS1C01	2021-22	Core Course	Master	Environmental Science	5
245	Environmental Chemistry	21UPEVS1C02	2021-22	Core Course	Master	Environmental Science	5
246	Environmental Microbiology	21UPEVS1C03	2021-22	Core Course	Master	Environmental Science	5
247	Environmental Biochemistry and Toxicology	21UPEVS1C04	2021-22	Core Course	Master	Environmental Science	5
248	Food Processing II	18BFSNC03	2020-21	Core Course	Bachelor	Food science and nutrition	3
249	Food processing III	18BFSNC04	2020-21	Core Course	Bachelor	Food science and nutrition	3
250	Food processing and preservation - I practical	18BFSNC05	2020-21	Core Course	Bachelor	Food science and nutrition	2
251	Nutritional Chemistry	18BFSNEL01	2020-21	Elective Course	Bachelor	Food science and nutrition	2
252	Food microbiology	18BFSNC09	2020-21	Core Course	Bachelor	Food science and nutrition	3
253	Food packaging technology	18BFSNC10	2020-21	Core Course	Bachelor	Food science and nutrition	3

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254	Food microbiology practical	18BFSNC11	2020-21	Core Course	Bachelor	Food science and nutrition	2
255	Food quality analysis practical	18BFSNC12	2020-21	Core Course	Bachelor	Food science and nutrition	2
256	Food for disease	18BFSNEL03	2020-21	Elective Course	Bachelor	Food science and nutrition	2
257	Science and Handling of Raw Materials	18BFSNCO1	2020-21	Core Course	Bachelor	Food science and nutrition	3
258	Applied Geomorphology	18AGC01	2020-21	Core Course	Master	GEOLOGY	4
259	Structural Geology and Geotectonic	18AGC02	2020-21	Core Course	Master	GEOLOGY	4
260	Mineralogy	18AGC03	2020-21	Core Course	Master	GEOLOGY	4
261	Palaeontology	18AGC04	2020-21	Core Course	Master	GEOLOGY	4
262	Mining and Engineering Geology	18AGE01	2020-21	Elective Course	Master	GEOLOGY	4
263	Analytical and Instrumentation Techniques	18AGE02	2020-21	Elective Course	Master	GEOLOGY	4
264	Structural Geology Mineralogy and Palaeontology	18AGP01	2020-21	Core Course	Master	GEOLOGY	4

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265	Igneous and Metamorphic Petrology	18AGC05	2020-21	Core Course	Master	GEOLOGY	4
266	Sedimentology	18AGC06	2020-21	Core Course	Master	GEOLOGY	4
267	Stratigraphic Principles and Indian Stratigraphy	18AGC07	2020-21	Core Course	Master	GEOLOGY	4
268	Exploration Geology	18AGC08	2020-21	Core Course	Master	GEOLOGY	4
269	Petrology and Sedimentology	18AGP02	2020-21	Core Course	Master	GEOLOGY	4
270	Gemmology	18GS03	2020-21	Elective Course	Master	GEOLOGY	4
271	Rainwater Harvesting and Artificial Groundwater Recharge	18GS04	2020-21	Elective Course	Master	GEOLOGY	4
272	Economic Geology	18AGC09	2020-21	Core Course	Master	GEOLOGY	4
273	Applied Micropalaeontology	18AGC010	2020-21	Core Course	Master	GEOLOGY	4
274	Applied Hydrogeology	18AGC011	2020-21	Core Course	Master	GEOLOGY	4
275	Advanced Remote Sensing and GIS	18AGC012	2020-21	Core Course	Master	GEOLOGY	4

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276	Economic Geology and Micropaleontology	18AGP03	2020-21	Core Course	Master	GEOLOGY	4
277	Hydrogeology Remote Sensing and GIS	18AGP04	2020-21	Core Course	Master	GEOLOGY	4
278	Geohazards	18GS05	2020-21	Elective Course	Master	GEOLOGY	4
279	Applied Geomorphology	18AGC01	2021-22	Core Course	Master	GEOLOGY	4
280	Applied Geomorphology	18AGC01	2021-22	Core Course	Master	GEOLOGY	4
281	Structural Geology and Geotectonic	18AGC02	2021-22	Core Course	Master	GEOLOGY	4
282	Mineralogy	18AGC03	2021-22	Core Course	Master	GEOLOGY	4
283	Palaeontology	18AGC04	2021-22	Core Course	Master	GEOLOGY	4
284	Structural Geology Mineralogy and Palaeontology	18AGP01	2021-22	Core Course	Master	GEOLOGY	4
285	Mining and Engineering Geology	18AGE01	2021-22	Elective Course	Master	GEOLOGY	4
286	Analytical and Instrumentation Techniques	18AGE02	2021-22	Elective Course	Master	GEOLOGY	4

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287	Economic Geology	18AGC09	2021-22	Core Course	Master	GEOLOGY	4
288	Applied Micropalaeontology	18AGC010	2021-22	Core Course	Master	GEOLOGY	4
289	Applied Hydrogeology	18AGC011	2021-22	Core Course	Master	GEOLOGY	4
290	Advanced Remote Sensing and GIS	18AGC012	2021-22	Core Course	Master	GEOLOGY	4
291	Economic Geology and Micropaleontology	18AGP03	2021-22	Core Course	Master	GEOLOGY	4
292	Hydrogeology Remote Sensing and GIS	18AGP04	2021-22	Core Course	Master	GEOLOGY	4
293	JAVA PROGRAMMING	20UPCSC1C01,	2020-21	Core Course	Master	COMPUTER SCIENCE	5
294	DISCRETE MATHEMATICS	20UPCSC1C02	2020-21	Core Course	Master	COMPUTER SCIENCE	4
295	CRYPTOGRAPHY AND NE	20UPCSC1CO3	2020-21	Core Course	Master	COMPUTER SCIENCE	4
296	PARALLEL PROCESSING	20UPCSC1E02	2020-21	Elective Course	Master	COMPUTER SCIENCE	3
297	THEORY OF COMPUTATION	20UPCSC1E08	2020-21	Elective Course	Master	COMPUTER SCIENCE	3

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298	JAVA PROGRAMMING LABORATORY	20UPCSC1C04	2020-21	Core Course	Master	COMPUTR SCIENCE	2
299	SOFT COMPUTING	19UPCSC2E15	2020-21	Elective Course	Master	COMPUTRE SCIENCE	4
300	WEB TECHNOLOGY LABORATORY	20UPCSC1C05	2020-21	Core Course	Master	COMPUTER SCIENCE	2
301	DATA MINING	20UPCSC1C08	2020-21	Core Course	Master	COMPUTER SCIENCE	4
302	DOT NET PROGRAMMING	20UPCSC1C08	2020-21	Core Course	Master	COMPUTER SCIENCE	4
303	ADVANCED JAVA LABORATORY	19UPCSC2C10	2020-21	Core Course	Master	COMPUTER SCIENCE	2
304	DATA MINING LABORATORY	20UPCSC1C10	2020-21	Core Course	Master	COMPUTER SCIENCE	4
305	WIRLESS NETWORK	21UPCSC1C1E11	2020-21	Core Course	Master	COMPUTER SCIENCE	4
306	SOFT SKILL DEVELOPMENT LABORATORY	19UPCSC2C17	2020-21	Core Course	Master	COMPUTER SCIENCE	2
307	DOT NET PROGRAMMING LABORATORY	20UPCSC1C11	2020-21	Core Course	Master	COMPUTER SCIENCE	4
308	MOBILE APPLICATION DEVELOPMENT LABORATORY	20UPCSC1C12	2020-21	Core Course	Master	COMPUTER SCIENCE	2

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309	DIGITAL IMAGE PROCESSING	19UPCSC2C11	2020-21	Elective Course	Master	COMPUTER SCIENCE	4
310	INTERNET OF THINGS	19UPCSC2C12	2020-21	Core Course	Master	COMPUTER SCIENCE	4
311	BIG DATA ANALYTICS	20UPCSC1C13	2020-21	Core Course	Master	COMPUTER SCIENCE	2
312	MACHINE LEARNING	19UPCSC2C13	2020-21	Core Course	Master	COMPUTER SCIENCE	4
313	MOBILE COMPUTING	20UPCSC1C14	2020-21	Core Course	Master	COMPUTER SCIENCE	4
314	CYBER SECURITY	19UPCSC2E15	2020-21	Elective Course	Master	COMPUTER SCIENCE	4
315	INTERNET OF THINGS	20UPCSC1E13	2020-21	Elective Course	Master	COMPUTER SCIENCE	3
316	CYBER SECURITY	19UPCSC2E19	2020-21	Elective Course	Master	COMPUTER SCIENCE	4
317	MACHINE LEARNING TECHNIQUES	20UPCSC1E20	2020-21	Elective Course	Master	COMPUTER SCIENCE	3
318	CYBER SECURITY	20UPCSC1E22	2020-21	Elective Course	Master	COMPUTER SCIENCE	3
319	IMAGE PROCESSING LABORATORY	19UPCSC2C14	2020-21	Core Course	Master	COMPUTER SCIENCE	2

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320	BIG DATA ANALYTICS LABORATORY	20UPCSC1C15	2020-21	Elective Course	Master	COMPUTER SCIENCE	3
321	MINI PROJECT	19UPCSC2C14	2020-21	Core Course	Master	COMPUTER SCIENCE	4
322	INDUSTRIAL TRAINING	20UPCSC1C16	2020-21	Core Course	Master	COMPUTER SCIENCE	2
323	Python Mini Project	20UPCSC1C17	2021-22	Core Course	Master	COMPUTER SCIENCE	2
324	Statistics and Probability	20UPCSC4C01	2020-21	Core Course	Master	Computer Science	4
325	DISSERTATION AND VIVA-VOCE	20UPCSC1C18	2020-21	Core Course	Master	COMPUTER SCIENCE	2
326	Mathematical methods for Data Science	20UPCSC4C02	2020-21	Core Course	Master	Computer Science	4
327	INDUSTRIALTRAINING	20UPCSC1C17	2021-22	Core Course	Master	COMPUTER SCIENCE	2
328	Digital Principles and Computer Organization	18UPCSC1C01	2020-21	Core Course	Master	COMPUTER SCIENCE	4
329	Design of Algorithms	20UPCSC4C03	2020-21	Core Course	Master	Computer Science	4
330	MINI PROJECT	20UPCSC1C17	2021-22	Core Course	Master	COMPUTER SCIENCE	2



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331	OOPS with Python	18UPCSC1C02	2020-21	Core Course	Master	COMPUTER SCIENCE	4
332	Data Structures	18UPCSC1C03	2020-21	Core Course	Master	COMPUTER SCIENCE	4
333	DISSERTATION AND VIVA VOCE	20UPCSC1C18	2021-22	Core Course	Master	COMPUTER SCIENCE	2
334	Front End Tool	18UPCSC1C04	2020-21	Core Course	Master	COMPUTER SCIENCE	4
335	Big Data Technologies	20UPCSC4C04	2020-21	Core Course	Master	Computer Science	4
336	Problem Solving Techniques	18UPCSC1C05	2020-21	Core Course	Master	COMPUTER SCIENCE	4
337	Big Data Analytics	18UPCSC1C28	2021-22	Core Course	Bachelor	COMPUTER SCIENCE	4
338	Problem Solving Laboratory	18UPCSC1C06	2020-21	Core Course	Master	COMPUTER SCIENCE	4
339	Research Methodology	20UPCSC4C05	2020-21	Core Course	Master	Computer Science	4
340	Mobile Computing	18UPCSC1C29	2021-22	Core Course	Master	COMPUTER SCIENCE	4
341	IMAGE PROCESSING LABORATORY	19UPCSC2C14	2020-21	Core Course	Master	COMPUTER SCIENCE	2

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342	Internet of Things	18UPCSC1E13	2021-22	Elective Course	Master	COMPUTER SCIENCE	3
343	Machine Learning Techniques	18UPCSC1E20	2020-21	Elective Course	Master	COMPUTER SCIENCE	4
344	R Programming Laboratory	20UPCSC4C06	2020-21	Core Course	Master	COMPUTER SCIENCE	2
345	Data structures Laboratory	18UPCSC1C07	2020-21	Core Course	Master	COMPUTER SCIENCE	4
346	Cyber Security	18UPCSC1E22	2020-21	Elective Course	Master	COMPUTER SCIENCE	3
347	DISSERTATION AND VIVA VOCE	19UPCSC2C16	2020-21	Core Course	Master	COMPUTER SCIENCE	2
348	Python Laboratory	18UPCSC1C08	2020-21	Core Course	Master	COMPUTER SCIENCE	4
349	SQL and Hadoop Laboratory	20UPCSC4C07	2020-21	Core Course	Master	Computer Science	2
350	Big Data Analysis Laboratory	18UPCSC1C30	2021-22	Core Course	Master	COMPUTER SCIENCE	2
351	Relational Data Base Management Systems	18UPCSC1C09	2020-21	Core Course	Master	COMPUTER SCIENCE	4
352	Industrial Training	18UPCSC1C31	2021-22	Core Course	Master	COMPUTER SCIENCE	2

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353	Operating Systems	18UPCSC1C10	2020-21	Core Course	Master	COMPUTER SCIENCE	4
354	Python Programming - Laboratory	20UPCSC4C08	2020-21	Core Course	Master	Computer Science	1
355	Mini Project	18UPCSC1C32	2021-22	Core Course	Master	COMPUTER SCIENCE	2
356	Software Engineering	Core	2020-21	Core Course	Master	COMPUTER SCIENCE	4
357	Principles and Techniques of Data Science	20UPCSC4C09	2020-21	Core Course	Master	Computer Science	4
358	Computer Networks	18UPCSC1C12	2020-21	Core Course	Master	COMPUTER SCIENCE	4
359	Statistics Modeling	20UPCSC4C10	2020-21	Core Course	Master	Computer Science	4
360	Operating Systems Laboratory	18UPCSC1C13	2020-21	Core Course	Master	COMPUTER SCIENCE	4
361	RDBMS Laboratory	18UPCSC1C14	2020-21	Core Course	Master	COMPUTER SCIENCE	2
362	Financial Computing Laboratory	18UPCSC1C15	2020-21	Core Course	Master	COMPUTER SCIENCE	2
363	Big Data Analytics	18UPCSC1C28	2020-21	Core Course	Master	COMPUTER SCIENCE	2

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364	MOBILE COMPUTING	19UPCSC2E05	2021-22	Elective Course	Master	COMPUTER SCIENCE	4
365	CLOUD COMPUTING	18UPCSC1C29	2020-21	Core Course	Master	COMPUTER SCIENCE	4
366	Dissertation and Viva-Voce	18UPCSC1C33	2021-22	Core Course	Master	COMPUTER SCIENCE	2
367	INTERNET OF THINGS	18UPCSC1E13	2020-21	Core Course	Master	COMPUTER SCIENCE	3
368	DATA MINING	21UPCSC2E16	2021-22	Elective Course	Master	COMPUTER SCIENCE	4
369	DESIGN AND ANALYSIS OF ALGORITHMS	19UPCSC2C01	2021-22	Core Course	Master	COMPUTER SCIENCE	4
370	MACHINE LEARNING TECHNIQUES	18UPCSC1E20	2020-21	Core Course	Master	COMPUTER SCIENCE	3
371	ADVANCED JAVA LABORATORY	19UPCSC2C10	2021-22	Core Course	Master	COMPUTER SCIENCE	2
372	CYBER SECURITY	18UPCSC1E22	2020-21	Core Course	Master	COMPUTER SCIENCE	3
373	Big Data Analytics Laboratory	18UPCSC1C30	2020-21	Core Course	Master	COMPUTER SCIENCE	2
374	ADVANCED WEB TECHNOLOGY	19UPCSC2C02	2021-22	Core Course	Master	COMPUTER SCIENCE	4

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375	SOFT SKILL DEVELOPMENT LABORATORY	19UPCSC2C17	2021-22	Core Course	Master	COMPUTER SCIENCE	2
376	Industrial Training	18UPCSC1C31	2020-21	Core Course	Master	COMPUTER SCIENCE	2
377	ADVANCED DAA BASE MANAGEMENT SYSTEMS	19UPCSC2C03	2021-22	Core Course	Master	COMPUTER SCIENCE	4
378	DIGITAL IMAGE PROCESSING	19UPCSC2C11	2021-22	Core Course	Master	COMPUTER SCIENCE	4
379	COMPILER DESIGN	19UPCSC2C04	2021-22	Core Course	Master	COMPUTER SCIENCE	4
380	INTERNET OF THINGS	19UPCSC2C12	2021-22	Core Course	Master	COMPUTER SCIENCE	4
381	DISCRETE MATHEMATICS FOR COMPUTING	19UPCSC2E17	2020-21	Core Course	Master	COMPUTER SCIENCE	4
382	MACHINE LEARNING	19UPCSC2C13	2021-22	Core Course	Master	COMPUTER SCIENCE	4
383	Mini Project	18UPCSC1C32	2020-21	Core Course	Master	COMPUTER SCIENCE	2
384	CYBER SECURITY	19UPCSC2E19	2021-22	Elective Course	Master	COMPUTER SCIENCE	4
385	ALGORITHM LABORATORY	19UPCSC2C05	2021-22	Core Course	Master	COMPUTER SCIENCE	2

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386	Dissertation and Viva-Voce	18UPCSC1C33	2020-21	Core Course	Master	COMPUTER SCIENCE	2
387	JAVA PROGRAMMING	20UPCSC1C01	2020-21	Core Course	Master	COMPUTER SCIENCE	4
388	DATA MINING	19UPCSC2E16	2021-22	Elective Course	Master	COMPUTER SCIENCE	4
389	ADVANCED WEB TECHNOLOGY LABORATORY	19UPCSC2C06	2021-22	Core Course	Master	COMPUTER SCIENCE	2
390	DISCRETE MATHEMATICS	20UPCSC1C02	2020-21	Core Course	Master	COMPUTER SCIENCE	4
391	IMAGE PROCESSING LABORATORY	19UPCSC2C14	2021-22	Core Course	Master	COMPUTER SCIENCE	4
392	CRYPTOGRAPHY AND NETWORK SECURITY	20UPCSC1C03	2020-21	Core Course	Master	COMPUTER SCIENCE	4
393	MINI PROJECT	19UPCSC2C15	2021-22	Core Course	Master	COMPUTER SCIENCE	4
394	DISSERTATION AND VIVA VOCE	19UPCSC2C16	2021-22	Core Course	Master	COMPUTER SCIENCE	2
395	DESIGN AND ANALYSIS OF ALGORITHMS	19UPCSC2C01	2020-21	Core Course	Master	COMPUTER SCIENCE	4
396	ADVANCED WEB TECHNOLOGY	19UPCSC2C02	2020-21	Core Course	Master	COMPUTER SCIENCE	4

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397	DISTRIBUTED OPERATING SYSTEM	19UPCSC2C07	2021-22	Core Course	Master	COMPUTER SCIENCE	4
398	ADVANCED DATABASE MANAGEMENT SYSTEMS	19UPCSC2C03	2020-21	Core Course	Master	COMPUTER SCIENCE	4
399	COMPILER DESIGN	19UPCSC2C04	2020-21	Core Course	Master	COMPUTER SCIENCE	4
400	DISCRETE MATHEMATICS FOR COMPUTING	19UPCSC2E17	2020-21	Elective Course	Master	COMPUTER SCIENCE	4
401	ADVANCED JAVA PROGRAMMING	19UPCSC2C08	2021-22	Core Course	Master	COMPUTER SCIENCE	4
402	ALGORITHM LABORATORY	19UPCSC2C05	2020-21	Core Course	Master	COMPUTER SCIENCE	4
403	ADVANCED WEB TECHNOLOGY LABORATORY	19UPCSC2C06	2020-21	Core Course	Master	COMPUTER SCIENCE	2
404	DISTRIBUTED OPERATING SYSTEM	19UPCSC2C07	2020-21	Core Course	Master	COMPUTER SCIENCE	4
405	ADVANCED JAVA PROGRAMMING	19UPCSC2C08	2020-21	Core Course	Master	COMPUTER SCIENCE	4
406	CRYPTOGRAPHY AND NETWORK SECURITY	19UPCSC2C09	2021-22	Core Course	Master	COMPUTER SCIENCE	4
407	CRYPTOGRAPHY AND NETWORK SECURITY	19UPCSC2C09	2020-21	Core Course	Master	COMPUTER SCIENCE	4

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408	WIRELESS NETWORKS	19UPCSC1E06	2020-21	Elective Course	Master	COMPUTRE SCIENCE	4
409	THEORY OF COMPUTATION	20UPCSC1E08	2020-21	Core Course	Master	COMPUTER SCIENCE	3
410	JAVA PROGRAMMING LABORATORY	20UPCSC1C04	2020-21	Core Course	Master	COMPUTER SCIENCE	2
411	WEB TECHNOLOGY LABORATORY	20UPCSC1C05	2020-21	Core Course	Master	COMPUTER SCIENCE	2
412	SOFT SKILL DEVELOPMENT LABORATORY	20UPCSC1C06	2020-21	Core Course	Master	COMPUTER SCIENCE	2
413	DATA MINING	20UPCSC1C07	2020-21	Core Course	Master	COMPUTER SCIENCE	4
414	DOT NET PROGRAMMING	20UPCSC1C08	2020-21	Core Course	Master	COMPUTER SCIENCE	4
415	COMPUTER VISION	21UPCSC1C09	2020-21	Core Course	Master	COMPUTER SCIENCE	4
416	WIRELESS NETWORKS	21UPCSC1E11	2020-21	Elective Course	Master	COMPUTER SCIENCE	3
417	Advanced3D modelling technique Laboratory	20UUCSC1S14	2021-22	Core Course	Bachelor	COMPUTER SCIENCE	2
418	DATA MINING LABORATORY	20UPCSC1C10	2020-21	Core Course	Master	COMPUTER SCIENCE	2



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419	DOT NET PROGRAMMING LABORATORY	20UPCSC1C11	2021-22	Core Course	Master	COMPUTER SCIENCE	2
420	MOBILE APPLICATION DEVELOPMENT LABORATORY	20UPCSC1C12	2020-21	Core Course	Master	COMPUTER SCIENCE	2
421	BIG DATA ANALYTICS	20UPCSC1C13	2020-21	Core Course	Master	COMPUTER SCIENCE	4
422	Digital Sculpting technique Laboratory	" 20UUCSC1S15	2021-22	Core Course	Bachelor	COMPUTER SCIENCE	2
423	BIG DATA ANALYTICS	20UPCSC1C13	2020-21	Elective Course	Master	COMPUTER SCIENCE	4
424	MOBILE COMPUTING	20UPCSC1C14	2020-21	Elective Course	Master	COMPUTER SCIENCE	3
425	INTERNET OF THINGS	20UPCSC1E13	2020-21	Elective Course	Master	COMPUTER SCIENCE	3
426	360Video Editing Laboratory	20UUCSC1S16	2021-22	Core Course	Bachelor	COMPUTER SCIENCE	2
427	MACHINE LEARNING TECHNIQUES	20UPCSC1E20	2020-21	Elective Course	Master	COMPUTER SCIENCE	3
428	Apprenticeship	20UUCSC1A04	2021-22	Core Course	Bachelor	COMPUTER SCIENCE	2
429	CYBER SECURITY	20UPCSC1E22	2020-21	Elective Course	Master	COMPUTER SCIENCE	3

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
430	BIG DATA ANALYTICS LABORATORY	20UPCSC1C15	2021-22	Core Course	Master	COMPUTER SCIENCE	2
431	Machine Learning Techniques	20UUCSC1E09	2021-22	Elective Course	Bachelor	COMPUTER SCIENCE	4
432	Machine Learning Techniques Laboratory	20UUCSC1E10	2021-22	Elective Course	Bachelor	COMPUTER SCIENCE	2
433	Machine Learning Techniques	20UPCSC4C11	2020-21	Core Course	Master	Computer Science	4
434	Machine Learning - Laboratory	20UPCSC4C12	2020-21	Core Course	Master	Computer Science	2
435	Essential Technologies for Data Science	20UPCSC4C13	2020-21	Core Course	Master	Computer Science	2
436	Mini Project	20UPCSC4C14	2020-21	Core Course	Master	Computer Science	1
437	Artificial Intelligence Laboratory	19UUCSC1S08	2020-21	Elective Course	Bachelor	COMPUTER SCIENCE	2
438	Advanced Data Visualization	20UPCSC4E03	2020-21	Elective Course	Master	Computer Science	4
439	3DDesign	19UUCSC1S10	2020-21	Core Course	Bachelor	COMPUTER SCIENCE	4
440	Modelling and Texturing Laboratory	19UUCSC1S10	2020-21	Core Course	Bachelor	COMPUTER SCIENCE	2

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
441	Principles of Management	20UPCSC4C15	2021-22	Core Course	Master	Computer Science	4
442	Architectural Visualization Laboratory	19UUCSC1S11	2020-21	Core Course	Bachelor	COMPUTER SCIENCE	2
443	Deep Learning Techniques	20UPCSC4C16	2021-22	Core Course	Master	Computer Science	4
444	Game Design Laboratory	19UUCSC1S12	2020-21	Core Course	Bachelor	COMPUTER SCIENCE	2
445	Apprenticeship	19UUCSC1A03	2020-21	Core Course	Bachelor	COMPUTER SCIENCE	2
446	Deep Learning - Laboratory	20UPCSC4C17	2021-22	Core Course	Master	Computer Science	2
447	Computer Vision	20UPCSC4E05	2021-22	Elective Course	Master	Computer Science	4
448	Java Programming	19UUCSC1G06	2020-21	Core Course	Bachelor	COMPUTER SCIENCE	4
449	Natural Language Processing	20UPCSC4E08	2021-22	Elective Course	Master	Computer Science	4
450	Java Programming Laboratory	19UUCSC1G07	2020-21	Core Course	Bachelor	COMPUTER SCIENCE	2
451	Cell Biology	21MBT101	2021-22	Core Course	Master	BIOTECHNOLOGY	4

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452	Computer Vision Laboratory	20UPCSC4E09	2021-22	Elective Course	Master	Computer Science	2
453	Digital Marketing Techniques	19UUCSC1S13	2020-21	Core Course	Bachelor	COMPUTER SCIENCE	4
454	Advanced3D modelling technique Laboratory	19UUCSC1S14	2020-21	Core Course	Bachelor	COMPUTER SCIENCE	2
455	Digital Sculpting technique Laboratory	19UUCSC1S15	2020-21	Core Course	Bachelor	COMPUTER SCIENCE	2
456	Data Visualization Techniques	19UUCSC1E13	2020-21	Core Course	Bachelor	COMPUTER SCIENCE	4
457	Natural Language Processing Laboratory	20UPCSC4E12	2021-22	Elective Course	Master	Computer Science	2
458	Data Visualization Techniques Laboratory	19UUCSC1E14	2020-21	Elective Course	Bachelor	COMPUTER SCIENCE	2
459	Problem Solving Techniques	20UUCSC1G01	2020-21	Core Course	Bachelor	COMPUTER SCIENCE	3
460	Dissertation and Viva Voice	20UPCSC4C18	2021-22	Core Course	Master	Computer Science	2
461	Problem Solving Techniques Laboratory	20UUCSC1G02	2020-21	Core Course	Bachelor	COMPUTER SCIENCE	2
462	Value Education1 -Yoga	19UVE01	2020-21	Core Course	Bachelor	COMPUTER SCIENCE	1

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463	Statistics and Probability	20UPCSC4C01	2021-22	Core Course	Master	Computer Science	4
464	Language1 -TamilHindi I Malayalam I	19UFTA01/ 19UFHI01/ 19UFMA01	2020-21	Core Course	Bachelor	COMPUTER SCIENCE	3
465	Mathematical methods for Data Science	20UPCSC4C02	2021-22	Core Course	Master	Computer Science	4
466	Visual Design	" 20UUCSC1S01 "	2020-21	Core Course	Bachelor	COMPUTER SCIENCE	3
467	Design of Algorithms	20UPCSC4C03	2021-22	Core Course	Master	Computer Science	4
468	Digital Design Laboratory	" 20UUCSC1S02 "	2020-21	Core Course	Bachelor	COMPUTER SCIENCE	2
469	Image Editing Laboratory	" 20UUCSC1S03 "	2020-21	Core Course	Bachelor	COMPUTER SCIENCE	2
470	Big Data Technologies	20UPCSC4C04	2021-22	Core Course	Master	Computer Science	4
471	Digital Illustration Laboratory	20UUCSC1S04	2020-21	Core Course	Bachelor	COMPUTER SCIENCE	2
472	Apprenticeship	" 20UUCSC1A01 "	2020-21	Core Course	Bachelor	COMPUTER SCIENCE	2
473	Research Methodology	20UPCSC4C05	2021-22	Core Course	Master	Computer Science	4

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474	R Programming Laboratory	20UPCSC4C06	2021-22	Core Course	Master	Computer Science	2
475	MINI PROJECT	19UPCSC2C15	2020-21	Core Course	Bachelor	COMPUTER SCIENCE	2
476	SQL and Hadoop Laboratory	20UPCSC4C07	2021-22	Core Course	Master	Computer Science	2
477	Language1 - Tamil Hindi Malayalam	17UFTA02/ 17UFHI02/ 17UFMA02	2020-21	Core Course	Bachelor	COMPUTER SCIENCE	3
478	Python Programming - Laboratory	20UPCSC4C08	2021-22	Core Course	Master	Computer Science	1
479	Language 2 - English - II	17UFEN02	2020-21	Core Course	Bachelor	COMPUTER SCIENCE	2
480	Principles and Techniques of Data Science	20UPCSC4C09	2021-22	Core Course	Master	Computer Science	4
481	Python Programming	20UUCSC1G03	2020-21	Core Course	Bachelor	COMPUTER SCIENCE	3
482	Python Programming Laboratory	20UUCSC1G04	2020-21	Core Course	Bachelor	COMPUTER SCIENCE	2
483	Value Education 2- Environmental Studies	20UUCSC1V02	2020-21	Core Course	Bachelor	COMPUTER SCIENCE	3
484	Animation Design Theory	20UUCSC1S05	2020-21	Core Course	Bachelor	COMPUTER SCIENCE	2

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485	Statistics Modeling	20UPCSC4C10	2021-22	Core Course	Master	Computer Science	4
486	User Interface Design Theory	20UUCSC1S06	2020-21	Core Course	Bachelor	COMPUTER SCIENCE	1
487	Machine Learning Techniques	20UPCSC4C11	2021-22	Core Course	Master	Computer Science	4
488	User Interface Design Laboratory	20UUCSC1S07	2020-21	Core Course	Bachelor	COMPUTER SCIENCE	4
489	2D Animation Laboratory	20UUCSC1S08	2020-21	Core Course	Bachelor	COMPUTER SCIENCE	4
490	Machine Learning - Laboratory	20UPCSC4C12	2021-22	Core Course	Master	COMPUTER SCIENCE	2
491	Apprenticeship	20UUCSC1A02	2020-21	Core Course	Bachelor	COMPUTER SCIENCE	2
492	Data Structures	20UUCSC1G05	2020-21	Core Course	Bachelor	COMPUTER SCIENCE	2
493	Essential Technologies for Data Science	20UPCSC4C13	2021-22	Core Course	Master	Computer Science	2
494	Data Structures Laboratory	20UUCSC1G06	2020-21	Core Course	Bachelor	COMPUTER SCIENCE	2
495	3DDesign	20UUCSC1S09	2020-21	Core Course	Bachelor	COMPUTER SCIENCE	4

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496	Modelling and Texturing Laboratory	20UUCSC1S10	2020-21	Core Course	Bachelor	COMPUTER SCIENCE	2
497	Architectural Visualization Laboratory	20UUCSC1S11	2020-21	Core Course	Bachelor	COMPUTER SCIENCE	4
498	Game Design Laboratory	20UUCSC1A02	2020-21	Core Course	Bachelor	COMPUTER SCIENCE	2
499	Artificial Intelligence	20UUCSC1E01	2020-21	Core Course	Bachelor	COMPUTER SCIENCE	2
500	Artificial Intelligence Laboratory	20UUCSC1E02	2020-21	Elective Course	Bachelor	COMPUTER SCIENCE	2
501	Java Programming	20UUCSC1G07	2020-21	Elective Course	Bachelor	COMPUTER SCIENCE	2
502	Java Programming Laboratory	20UUCSC1G08	2020-21	Core Course	Bachelor	COMPUTER SCIENCE	4
503	Digital Marketing Techniques	20UUCSC1S13	2020-21	Core Course	Bachelor	COMPUTER SCIENCE	2
504	Advanced3D modelling technique Laboratory	20UUCSC1S14	2020-21	Core Course	Bachelor	COMPUTER SCIENCE	4
505	Mini ProjectSummer Internship	20UPCSC4C14	2021-22	Core Course	Master	Computer Science	1
506	Advanced Data Visualization	"20UPCSC4E03 "	2021-22	Elective Course	Master	Computer Science	4



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507	Apprenticeship	19UUCSC1A05	2021-22	Core Course	Bachelor	Computer Science	1
508	Mobile Application Development	"19UUCSC1E19 "	2021-22	Elective Course	Bachelor	Computer Science	4
509	Mobile Application Development Laboratory	19UUCSC1E20	2021-22	Elective Course	Bachelor	Computer Science	2
510	C Programming	19UUCSC1G08	2021-22	Core Course	Bachelor	Computer Science	4
511	C Programming Laboratory	19UUCSC1G09	2021-22	Core Course	Bachelor	Computer Science	2
512	Design Patterns for Realtime Programming	19UUCSC1S17	2021-22	Core Course	Bachelor	Computer Science	4
513	Digital Lighting Techniques Laboratory	19UUCSC1S18	2021-22	Core Course	Bachelor	Computer Science	1
514	Virtual Reality Laboratory	19UUCSC1S19	2021-22	Core Course	Bachelor	Computer Science	2
515	Augmented Reality Laboratory	19UUCSC1S20	2021-22	Core Course	Bachelor	Computer Science	1
516	Digital Image processing	19UUCSC1E08	2021-22	Elective Course	Bachelor	Computer Science	2
517	Digital Image Processing Laboratory	19UUCSC1E08	2021-22	Elective Course	Bachelor	Computer Science	2

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518	Script and Screenplay	19UUCSC1E23	2021-22	Elective Course	Bachelor	Computer Science	4
519	Script and Screenplay Laboratory	19UUCSC1E24	2021-22	Elective Course	Bachelor	Computer Science	2
520	Project	19UUCSC1P01	2021-22	Core Course	Bachelor	Computer Science	2
521	Data Structures	19UUCSC1G04	2020-21	Core Course	Bachelor	Computer Science	4
522	Data Structures Laboratory	19UUCSC1G05	2020-21	Core Course	Bachelor	Computer Science	2
523	Artificial Intelligence	19UUCSC1E01	2020-21	Elective Course	Bachelor	Computer Science	4
524	Biochemistry	21MBT102	2021-22	Core Course	Master	biotechnology	4
525	Microbiology and Industrial Biotechnology	21MBT103	2021-22	Core Course	Master	BIOTECHNOLOGY	4
526	Food and Medical Biotechnology	21MBTEB104	2021-22	Elective Course	Master	BIOTECHNOLOGY	3
527	Cell Biology and Biochemistry	21MBT105	2021-22	Core Course	Master	BIOTECHNOLOGY	4
528	cell biology	19MBT101	2020-21	Core Course	Master	BIOTECHNOLOGY	5

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529	Microbiology and Industrial Biotechnology	21MBT106	2021-22	Core Course	Master	BIOTECHNOLOGY	4
530	Biochemistry	19MBT102	2020-21	Core Course	Master	BIOTECHNOLOGY	4
531	Team project I	21MBT107	2021-22	Core Course	Master	BIOTECHNOLOGY	3
532	plant Biotechnology	19MBT103NN	2020-21	Core Course	Master	BIOTECHNOLOGY	5
533	Genetics and Molecular Biology	21MBT201	2021-22	Core Course	Master	BIOTECHNOLOGY	4
534	Plant and Animal Biotechnology	21MBT202	2021-22	Core Course	Master	BIOTECHNOLOGY	4
535	Ecotechnology	19MBTEB104	2020-21	Elective Course	Master	BIOTECHNOLOGY	4
536	Recombinant DNA Technology	21MBT203	2021-22	Core Course	Master	biotechnology	4
537	Cell biology and biochemistry	19MBT105	2020-21	Core Course	Master	BIOTECHNOLOGY	3
538	Genetics Molecular Biology and rDNA Technology	21MBT204	2021-22	Core Course	Master	BIOTECHNOLOGY	4
539	Plant Biotechnology	19MBT106	2020-21	Core Course	Master	BIOTECHNOLOGY	3

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540	Plant and Animal Biotechnology	21MBT205	2021-22	Core Course	Master	BIOTECHNOLOGY	4
541	Genetics and molecular biology	19MBT201	2020-21	Core Course	Master	BIOTECHNOLOGY	5
542	Credit Seminar	21MBT207	2021-22	Core Course	Master	BIOTECHNOLOGY	1
543	Genetic engineering and Nanobiotechnology	19MBT202	2020-21	Core Course	Master	BIOTECHNOLOGY	5
544	Immunotechnology	19MBT301	2020-21	Core Course	Master	BIOTECHNOLOGY	5
545	Animal Biotechnology and Developmental Biology	19MBT302	2020-21	Core Course	Master	BIOTECHNOLOGY	5
546	Microbiology and Industrial biotechnology	19MBT203	2020-21	Core Course	Master	BIOTECHNOLOGY	5
547	Bioinformatics and Biostatistics and Bioinstrumentation	19MBT303	2020-21	Core Course	Master	BIOTECHNOLOGY	5
548	Environmental Biotechnology	19MBTEA304	2020-21	Elective Course	Master	biotechnology	4
549	Immunotechnology and Developmental Biology and Animal Biotechnology	19MBT305	2020-21	Core Course	Master	BIOTECHNOLOGY	3
550	Recombinant DNA Technology	19MBT204	2020-21	Core Course	Master	BIOTECHNOLOGY	5

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551	molecular biology and Genetic engineering and rDNA Technology	19MBT205	2020-21	Core Course	Master	BIOTECHNOLOGY	3
552	Genetics and Microbiology and Industrial Biotechnology	19MBT206	2020-21	Core Course	Master	BIOTECHNOLOGY	3
553	RESEARCH PROJECT	19MBT402	2020-21	Core Course	Master	BIOTECHNOLOGY	6
554	Immunotechnology	19MBT301	2020-21	Core Course	Master	BIOTECHNOLOGY	5
555	Animal Biotechnology and Developmental Biology	19MBT302	2020-21	Core Course	Master	BIOTECHNOLOGY	5
556	Bioinformatics and Biostatistics and Bioinstrumentation	19MBT303	2020-21	Core Course	Master	BIOTECHNOLOGY	5
557	Techniques in Biotechnology	21MBTEDA206	2020-21	Elective Course	Master	BIOTECHNOLOGY	3
558	Herbal Biotechnology	19MBTED306	2020-21	Elective Course	Master	BIOTECHNOLOGY	3
559	Summer Internship Programme	19MBT308	2020-21	Elective Course	Master	BIOTECHNOLOGY	3
560	Industrial Skill Development Programme	19MBT401	2020-21	Elective Course	Master	BIOTECHNOLOGY	2
561	Basic Biotechnology	19MBTEDA207	2020-21	Elective Course	Master	BIOTECHNOLOGY	3

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562	Food and Medical Biotechnology	19MBTEB304	2020-21	Elective Course	Master	Biotechnology	4
563	Immunotechnology Developmental biology and Animal Biotechnology	19MBT305	2020-21	Core Course	Master	BIOTECHNOLOGY	3
564	Herbal Biotechnology	19MBTED306	2020-21	Elective Course	Master	BIOTECHNOLOGY	3
565	Industrial skill Development programme	19MBT401	2020-21	Elective Course	Master	BIOTECHNOLOGY	2
566	Population and Society	18SOCC09	2020-21	Core Course	Master	SOCIOLOGY	4
567	RESEARCH PROJECT	19MBT402	2020-21	Core Course	Master	BIOTECHNOLOGY	6
568	Sociology of Environment	18SOCC10	2020-21	Core Course	Master	SOCIOLOGY	4
569	human resource management	18SOCC11	2020-21	Core Course	Master	SOCIOLOGY	4
570	SOCIAL MOVEMENTS IN INDIA	18SOCC12	2020-21	Core Course	Master	SOCIOLOGY	4
571	SOCIAL PROBLEMS IN INDIA	18SOCC13	2020-21	Core Course	Master	SOCIOLOGY	4
572	Summer internship programme	19MBT308	2020-21	Elective Course	Master	BIOTECHNOLOGY	1

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573	GENDER AND SOCIETY	18SOCC14	2020-21	Core Course	Master	SOCIOLOGY	4
574	SOCIAL ENTERPRENERSHIP	18SOCC18	2020-21	Elective Course	Master	SOCIOLOGY	4
575	PRINCIPLES OF SOICOLOGY	20SOCC01	2020-21	Core Course	Master	SOCIOLOGY	4
576	CLASSICAL SOIOLOGICAL THOUGHT	20SOCC02	2020-21	Core Course	Master	SOCIOLOGY	4
577	SOCIAL RESEARCH METHODOLOGY	20SOCC03	2020-21	Core Course	Master	SOCIOLOGY	4
578	INDIAN SOCIETY	20SOCC04	2020-21	Core Course	Master	SOCIOLOGY	4
579	SOCIAL DEMOGRAPHY	20SOCE01	2020-21	Elective Course	Master	SOCIOLOGY	4
580	CONTEMPORARY SOCIOLOGICAL THEORIES	20SOCC05	2020-21	Core Course	Master	SOCIOLOGY	4
581	RURAL RECONSTRUCTION	20SOCC06	2020-21	Core Course	Master	SOCIOLOGY	4
582	STATISTICS IN SOCIAL RESEARCH	20SOCC07	2020-21	Core Course	Master	SOCIOLOGY	4
583	SOCIOLOGY OF HEALTH	20SOCC08	2020-21	Core Course	Master	SOCIOLOGY	4

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584	MEDIA AND SOCIETY	20SOCE02	2020-21	Elective Course	Master	SOCIOLOGY	4
585	SOCIAL ENTERPRENERSHIP	20SOCV01	2020-21	Elective Course	Master	SOCIOLOGY	4
586	Mathematical Physics-I	21PGPHYC01	2020-21	Core Course	Master	physics	4
587	Classical Mechanics	21PGPHYC02	2020-21	Core Course	Master	PHYSICS	4
588	Electronics	21PGPHYC03	2020-21	Core Course	Master	PHYSICS	4
589	Invertebrates	18ZOOC01	2020-21	Core Course	Master	Zoology	4
590	Practical-I General Physics	21PGPHYC04	2020-21	Core Course	Master	PHYSICS	4
591	Mathematical Physics-II	21PGPHYC05	2020-21	Core Course	Master	PHYSICS	4
592	Chordates	18ZOOC02	2020-21	Core Course	Master	Zoology	4
593	Quantum Mechanics-I	21PGPHYC06	2020-21	Core Course	Master	PHYSICS	4
594	Thermodynamics and Statistical Mechanics	21PGPHYC07	2020-21	Core Course	Master	PHYSICS	4



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595	The Cell	18ZOOC03	2020-21	Core Course	Master	Zoology	4
596	Practical-II Electronics	21PGPHYC08	2021-22	Core Course	Master	PHYSICS	4
597	Biochemistry	18ZOOC04	2020-21	Core Course	Master	Zoology	4
598	Principles of Genetics	18ZOOC05	2020-21	Core Course	Master	Zoology	4
599	COGNITIVE NEURO PSYCHOLOGY	18PSC10	2020-21	Core Course	Master	PSYCHOLOGY	4
600	Invertebrates Chordates Cellbiology Genetics Practicals	18ZOOP01	2020-21	Core Course	Master	Zoology	3
601	PSYCHOTHERAPEUTICS	18PSC11	2020-21	Core Course	Master	PSYCHOLOGY	4
602	ORGANIZATIONAL BEHAVIOUR AND TRAINING	18PSC12	2020-21	Core Course	Master	PSYCHOLOGY	4
603	Statistical Techniques Using Open Source Software	18UPSTA1V01	2020-21	Core Course	Master	SATISTICS	2
604	Statistics for Researchers	21UPSTA1V02	2020-21	Elective Course	Master	STATISTICS	2
605	Hypothesis Testing	18UPSTA3C08	2020-21	Core Course	Master	STATISTICS	4

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606	Multivariate Analysis	18UPSTA3C09	2020-21	Core Course	Master	STATISTICS	4
607	Hypothesis Testing	18UPSTA3C08	2020-21	Core Course	Master	STATISTICS	4
608	Demographic Methods	18UPSTA3C10	2020-21	Core Course	Master	STATISTICS	4
609	Econometrics	18UPSTA3C11	2020-21	Core Course	Master	STATISTICS	4
610	Statistical Data Analysis Using R	18UPSTA3E09	2020-21	Elective Course	Master	STATISTICS	3
611	Microbiology	18ZOOE01	2020-21	Elective Course	Master	Zoology	4
612	Statistics Practical using R-I	18UPSTA3P03	2021-22	Elective Course	Bachelor	STATISTICS	4
613	Immunology	18ZOOC10	2020-21	Core Course	Master	Zoology	4
614	Animal Cell Culture and Nanobiotechnology	18ZOOC11	2020-21	Core Course	Master	Zoology	4
615	Linear Models and Design of Experiments	18UPSTA4C12	2020-21	Core Course	Master	STATISTICS	4
616	Environmental Biology	18ZOOC12	2020-21	Core Course	Master	Zoology	4

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617	Stochastic Processes	18UPSTA4C13	2020-21	Core Course	Master	STATISTICS	4
618	Aquaculture and Fishery Biology	18ZOOC13	2020-21	Core Course	Master	Zoology	4
619	Time Series Analysis	18UPSTA4E11	2020-21	Elective Course	Master	STATISTICS	4
620	Molecular Oncology Immunology Animal Cell Culture Practical	18ZOOP03	2020-21	Core Course	Master	Zoology	3
621	Statistics Practical Using R - II	18UPSTA4P04	2020-21	Core Course	Master	STATISTICS	4
622	ProjectDissertation with Viva Voce	18UPSTA4C14	2020-21	Core Course	Master	STATISTICS	6
623	Cancer and Stem Cell Biology	18ZOOE05	2020-21	Elective Course	Master	Zoology	4
624	Real and Complex Analysis	18UPSTA1C01	2020-21	Core Course	Master	STATISTICS	4
625	Developmental Biology	18ZOOC07	2020-21	Core Course	Master	Zoology	4
626	Measure and Probability Theory	18UPSTA1C02	2020-21	Core Course	Master	STATISTICS	4
627	Distribution Theory	18UPSTA1C03	2020-21	Core Course	Master	STATISTICS	4

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628	Animal Physiology	18ZOOC06	2020-21	Core Course	Master	Zoology	4
629	Sampling Theory	18UPSTA1C04	2020-21	Core Course	Master	STATISTICS	5
630	Evolution	18ZOOC08	2020-21	Core Course	Master	Zoology	4
631	Official Statistics	18UPSTA1E01	2020-21	Elective Course	Master	STATISTICS	3
632	Animal Behaviour and Endocrinology	18ZOOC09	2020-21	Core Course	Master	Zoology	4
633	Statistics Practical - I	18UPSTA1P01	2020-21	Elective Course	Master	STATISTICS	3
634	Vermitechnology	18ZOOE03	2020-21	Elective Course	Master	Zoology	4
635	Linear Algebra	18UPSTA2C05	2020-21	Core Course	Master	Statistics	4
636	Economic Entomology	18ZOOE04	2020-21	Elective Course	Master	Zoology	4
637	Estimation Theory	18UPSTA2C06	2020-21	Core Course	Master	Statistics	4
638	Animal Physiology Endocrinology Evolution Practical	18ZOOP02	2020-21	Core Course	Master	Zoology	4

<b>Srno</b>	<b>Title of Course</b>	<b>Course Code</b>	<b>Academic Year</b>	<b>Type of Course</b>	<b>Level of Course</b>	<b>Course Offering Department/ Centre/ Unit Name</b>	<b>T C S</b>
639	Statistical Quality Control	18UPSTA2C07	2020-21	Core Course	Master	Statistics	4
640	Biostatistics	18UPSTA2E06	2020-21	Elective Course	Master	Statistics	3
641	Invertebrates	18ZOOC01	2021-22	Core Course	Master	Zoology	4
642	Statistics Practical - II	18UPSTA2P02	2020-21	Core Course	Master	Statistics	3
643	Chordates	18ZOOC02	2021-22	Core Course	Master	Zoology	4
644	The Cell	18ZOOC03	2021-22	Core Course	Master	Zoology	4
645	Biochemistry	18ZOOC04	2021-22	Core Course	Master	Zoology	4
646	Principles of Genetics	18ZOOC05	2021-22	Core Course	Master	Zoology	4
647	Hypothesis Testing	18UPSTA3C08	2020-21	Core Course	Master	Statistics	2
648	Microbiology	18ZOOE01	2021-22	Elective Course	Master	Zoology	4
649	Multivariate Analysis	18UPSTA3C09	2020-21	Core Course	Master	Statistics	4

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
650	Demographic Methods	18UPSTA3C10	2020-21	Core Course	Master	Statistics	4
651	Soft Skill Development	18ZOOE02	2021-22	Elective Course	Master	Zoology	4
652	Econometrics	18UPSTA3C11	2020-21	Core Course	Master	Statistics	4
653	Statistical Data Analysis Using R	18UPSTA3E09	2020-21	Elective Course	Master	Statistics	3
654	Immunology	18ZOOE10	2021-22	Core Course	Master	Zoology	4
655	Statistics Practical Using R - I	18UPSTA3P03	2020-21	Core Course	Master	Statistics	4
656	Linear Models and Design of Experiments	18UPSTA4C12	2020-21	Core Course	Master	Statistics	4
657	Stochastic Processes	18UPSTA4C13	2020-21	Core Course	Master	Statistics	4
658	Animal Cell Culture and Nanobiotechnology	18ZOOE11	2021-22	Core Course	Master	Zoology	4
659	Environmental Biology	18ZOOE12	2021-22	Core Course	Master	Zoology	4
660	Time Series Analysis	18UPSTA4E11	2020-21	Elective Course	Master	Statistics	3

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
661	Statistics Practical Using R - II	18UPSTA4P04	2020-21	Core Course	Master	Statistics	4
662	Project Disseration with Viva Voce	18UPSTA4C14	2020-21	Elective Course	Master	Statistics	6
663	Aquaculture and Fishery Biology	18ZOOC13	2021-22	Core Course	Master	Zoology	4
664	Cancer and Stem Cell Biology	18ZOOE05	2021-22	Elective Course	Master	Zoology	4
665	Real and Complex Analysis	21UPSTA1C01	2020-21	Core Course	Master	Statistics	4
666	Research Methodology	18ZOOE06	2021-22	Elective Course	Master	Zoology	4
667	Measure and Probability Theory	Measure and Probability Theory	2020-21	Core Course	Master	Statistics	4
668	Animal Cell Culture Environmental Biology Practical	18ZOOP03	2021-22	Core Course	Master	Zoology	3
669	Distribution Theory	21UPSTA1C03	2020-21	Core Course	Master	Statistics	4
670	Animal Physiology	18ZOOC06	2021-22	Core Course	Master	Zoology	4
671	Developmental Biology	18ZOOC07	2021-22	Core Course	Master	Zoology	4

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
672	Sampling Theory	21UPSTA1C04	2020-21	Core Course	Master	Statistics	4
673	EvolutionEvolution	18ZOOC08	2021-22	Core Course	Master	Zoology	4
674	Animal Behaviour and Endocrinology	18ZOOC09	2021-22	Core Course	Master	Zoology	4
675	Animal Physiology Developmental Biology Endocrinology Practical	18ZOOP02	2021-22	Core Course	Master	Zoology	3
676	Vermitechnology	18ZOOE03	2021-22	Elective Course	Master	Zoology	4
677	Economic Entomology	18ZOOE04	2021-22	Elective Course	Master	Zoology	4
678	Vermiculture	19ZOOV01	2020-21	Elective Course	Master	Zoology	3
679	PCR Technology	19ZOOV02	2020-21	Elective Course	Master	Zoology	3
680	History of Ancient India upto 1206 CE	18HIC02	2020-21	Core Course	Master	History	5
681	History of Medieval India 1206 to 1707 CE	18HIC03	2020-21	Core Course	Master	History	5
682	Social and Cultural History of Tamil Nadu upto 1565 CE	18HIC04	2020-21	Core Course	Master	History	5



Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
683	India s Struggle for Independence Pre Gandhian Era	18HIEC01	2020-21	Elective Course	Master	History	5
684	Twentieth Century World	18HIC09	2020-21	Core Course	Master	History	5
685	Twentieth Century World	18HIC09	2020-21	Core Course	Master	History	5
686	History of Modern Europe 1453-1789 CE(	18HIC05	2020-21	Core Course	Master	History	5
687	Society and Economy of Colonial India	18HIC06	2020-21	Core Course	Master	History	5
688	Gandhian Era of Indian National Movement (1920-1947)	18HIC07	2020-21	Core Course	Master	History	5
689	Economic History of India (1757-1857)	18HIEC02	2020-21	Elective Course	Master	History	4
690	Historiography Theory and Methods	18HIC12	2020-21	Core Course	Master	History	5
691	International Relation Since 1945 CE	18HIEC4	2020-21	Elective Course	Master	History	4
692	History of Ancient India upto 1206	21PGHIC01	2021-22	Core Course	Master	History	5
693	History of Medieval India 1206 to 1707 CE	21PGHIC02	2021-22	Core Course	Master	History	5

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
694	Social and Cultural History of Tamil Nadu upto 1565 CE	21PGHIC03	2021-22	Core Course	Master	History	5
695	India Struggle for Independence Pre Gandhian Era	21PGHIC04	2021-22	Core Course	Master	History	5
696	Tourism Travel Agency and Tour Operation	21PGHIEC01	2021-22	Elective Course	Master	History	5
697	Mathematical Physics-I	21PGPHYC01	2021-22	Elective Course	Master	Physics	4
698	Classical Mechanics	21PGPHYC02	2021-22	Core Course	Master	Physics	4
699	Electronics	21PGPHYC03	2021-22	Core Course	Master	Physics	4
700	Practical-I General Physics	21PGPHYC04	2021-22	Core Course	Master	Physics	4
701	Mathematical Physics-II	21PGPHYC05	2021-22	Core Course	Master	Physics	4
702	Quantum Mechanics-I	21PGPHYC06	2021-22	Core Course	Master	Physics	4
703	Thermodynamics and Statistical Mechanics	21PGPHYC07	2021-22	Core Course	Master	Physics	4
704	Practical-II Electronics	21PGPHYC08	2021-22	Core Course	Master	Physics	4

<b>Srno</b>	<b>Title of Course</b>	<b>Course Code</b>	<b>Academic Year</b>	<b>Type of Course</b>	<b>Level of Course</b>	<b>Course Offering Department/ Centre/ Unit Name</b>	<b>T C S</b>
705	Advanced General Psychology	18PSC 01	2020-21	Core Course	Master	PSYCHOLOGY	4
706	Lifespan psychology	18PSC02	2020-21	Core Course	Master	PSYCHOLOGY	4
707	Psychopathology	18PSC03	2020-21	Core Course	Master	PSYCHOLOGY	4
708	Research methods and Statistics	18PSC04	2020-21	Core Course	Master	PSYCHOLOGY	4
709	POSITIVE PSYCHOLOGY FOR HEALTH AND WELLBEING	18PSC05	2021-22	Core Course	Master	PSYCHOLOGY	4
710	COGNITIVE NEURO PSYCHOLOGY	18PSC10	2020-21	Core Course	Master	PSYCHOLOGY	4
711	PSYCHOTHERAPEUTICS	18PSC11	2020-21	Core Course	Master	PSYCHOLOGY	4
712	ORGANIZATIONAL BEHAVIOUR AND TRAINING	18PSC12	2020-21	Core Course	Master	PSYCHOLOGY	4
713	EXPERIMENTAL PSYCHOLOGY II	18PSC13	2020-21	Core Course	Master	PSYCHOLOGY	6
714	SCHOOL COUNSELLING	18PSE03	2021-22	Elective Course	Master	PSYCHOLOGY	4
715	THEORIES OF PERSONALITY	18PSC06	2021-22	Core Course	Master	PSYCHOLOGY	4

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
716	HUMAN RESOURCE MANAGEMENT	18PSC07	2021-22	Core Course	Master	PSYCHOLOGY	4
717	COUNSELLING PSYCHOLOGY	18PSC08	2021-22	Core Course	Master	PSYCHOLOGY	4
718	EXPERIMENTAL PSYCHOLOGY	18PSC09	2021-22	Core Course	Master	PSYCHOLOGY	4
719	CONSUMER BEHAVIOUR AND MARKETING	18PSE02	2021-22	Elective Course	Master	PSYCHOLOGY	4
720	Population and Society	18SOCC09	2020-21	Core Course	Master	SOCIOLOGY	4
721	Sociology of Environment	18SOCC10	2020-21	Core Course	Master	SOCIOLOGY	4
722	Human resource management	18SOCC11	2020-21	Core Course	Master	SOCIOLOGY	4
723	SOCIAL MOVEMENTS IN INDIA	18SOCC12	2020-21	Core Course	Master	SOCIOLOGY	4
724	SOCIAL PROBLEMS IN INDIA	18SOCC13	2020-21	Core Course	Master	SOCIOLOGY	4
725	GENDER AND SOCIETY	18SOCC14	2020-21	Core Course	Master	SOCIOLOGY	4
726	PRINCIPLES OF SOCIOLOGY	20SOCC01	2020-21	Core Course	Master	SOCIOLOGY	4

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
727	CLASSICAL SOIOLOGICAL THOUGHT	20SOCC02	2020-21	Core Course	Master	SOCIOLOGY	4
728	SOCIAL RESEARCH METHODOLOGY	20SOCC03	2020-21	Core Course	Master	SOCIOLOGY	4
729	INDIAN SOCIETY	20SOCC04	2020-21	Core Course	Master	SOCIOLOGY	4
730	SOCIAL DEMOGRAPHY	20SOCE01	2020-21	Elective Course	Master	SOCIOLOGY	4
731	CONTEMPORARY SOCIOLOGICAL THEORIES	20SOCC05	2020-21	Core Course	Master	SOCIOLOGY	4
732	RURAL RECONSTRUCTION	20SOCC06	2020-21	Core Course	Master	SOCIOLOGY	4
733	STATISTICS IN SOCIAL RESEARCH	20SOCC07	2020-21	Core Course	Master	SOCIOLOGY	4
734	SOCIOLOGY OF HEALTH	20SOCC08	2020-21	Core Course	Master	SOCIOLOGY	4
735	MEDIA AND SOCIETY	20SOCE02	2020-21	Elective Course	Master	SOCIOLOGY	4
736	Official Statistics	21UPSTA1E01	2021-22	Elective Course	Master	Statistics	3
737	Statistics Practical I	21UPSTA1P01	2021-22	Core Course	Master	Statistics	3

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
738	Linear Algebra	21UPSTA2C05	2021-22	Core Course	Master	Statistics	4
739	Estimation Theory	21UPSTA2C06	2021-22	Core Course	Master	Statistics	4
740	Multivariate Analysis	21UPSTA2C07	2021-22	Core Course	Master	Statistics	4
741	Total Quality Management	21UPSTA2E06	2021-22	Elective Course	Master	Statistics	3
742	Statistics Practical II	21UPSTA2P02	2021-22	Core Course	Master	Statistics	3
743	Computer Oriented Statistical Methods Computer Oriented Statistical Methods	18UPSTA3S02	2020-21	Elective Course	Master	Statistics	3
744	PROJECT WORK	18PSC14	2020-21	Core Course	Master	PSYCHOLOGY	6
745	Computer Oriented Statistical Methods	18UPSTA3S02	2021-22	Elective Course	Master	Statistics	3
746	SCHOOL COUNSELLING	18PSE03	2020-21	Elective Course	Master	PSYCHOLOGY	4
747	Statistics for Behavioral Sciences	21UPSTA2S02	2021-22	Elective Course	Master	Statistics	3
748	CYBER PSYCHOLOGY	19PSA01	2020-21	Elective Course	Master	PSYCHOLOGY	2

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749	Statistics for Behavioral Sciences	18UPSTA2S02	2020-21	Elective Course	Master	Statistics	4
750	INTERNSHIP	18PSC15	2021-22	Core Course	Master	PSYCHOLOGY	6
751	CONSUMER BEHAVIOUR AND MARKETING	18PSE02	2021-22	Elective Course	Master	PSYCHOLOGY	4
752	POSITIVE PSYCHOLOGY	18PSS01	2021-22	Elective Course	Master	PSYCHOLOGY	3
753	Psychology for personal and professional development	18PSS02	2021-22	Elective Course	Master	Psychology	3
754	Research methodology and statistical application	18UPCND1C06	2020-21	Core Course	Master	NUTRITION AND DIETETICS	4
755	Human Development and Nutrition	18UPCND1C07	2020-21	Core Course	Master	Nutrition and Dietetics	4
756	Public Health Nutrition	18UPCND1C08	2020-21	Core Course	Master	Nutrition and Dietetics	4
757	Research Methods and Statistical applications Practicals	18UPCND1CP05	2020-21	Core Course	Master	Nutrition and Dietetics	2
758	Human Development and Nutrition practicals	18UPCND1CP06	2020-21	Core Course	Master	Nutrition and Dietetics	2
759	Nutraceuticals and Functional Foods	18UPCND1C09	2020-21	Core Course	Master	Nutrition and Dietetics	4

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
760	Nutraceuticals and Functional Food s Practical	18UPCND1CP07	2020-21	Core Course	Master	Nutrition and Dietetics	2
761	Research Methods and Statistical Applications	18UPCND1C06	2021-22	Core Course	Master	Nutrition and Dietetics	4
762	Human Development and Nutrition	18UPCND1C07	2021-22	Core Course	Master	Nutrition and Dietetics	4
763	Public Health Nutrition	18UPCND1C08	2021-22	Core Course	Master	Nutrition and Dietetics	4
764	Research Methods Statistical Applications Practical	18UPCND1CP05	2021-22	Core Course	Master	Nutrition and Dietetics	2
765	Human Development and Nutrition Practical	18UPCND1CP06	2021-22	Core Course	Master	Nutrition and Dietetics	2
766	Hypothesis Testing	18UPSTA3C08	2020-21	Core Course	Master	Statistics	4
767	Multivariate Analysis	18UPSTA3C09	2021-22	Elective Course	Master	Statistics	4
768	Hypothesis Testing	18UPSTA3C08	2020-21	Core Course	Master	Statistics	4
769	Demographic Methods	18UPSTA3C10	2020-21	Core Course	Master	Statistics	4
770	Econometrics	18UPSTA3C11	2020-21	Core Course	Master	Statistics	4



Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
771	Statistical Data Analysis Using R	18UPSTA3E09	2020-21	Elective Course	Master	Statistics	3
772	Linear Models and Design of Experiments	18UPSTA4C12	2020-21	Core Course	Master	Statistics	4
773	Stochastic Processes	18UPSTA4C13	2020-21	Core Course	Master	Statistics	4
774	Time Series Analysis	18UPSTA4E11	2020-21	Elective Course	Master	Statistics	3
775	Statistics Practical Using R - II	18UPSTA4P04	2020-21	Core Course	Master	Statistics	4
776	Project Dissertation with Viva Voce	18UPSTA4C14	2020-21	Core Course	Master	Statistics	6
777	Real and Complex Analysis	18UPSTA1C01	2020-21	Core Course	Master	Statistics	4
778	Measure and Probability Theory	18UPSTA1C02	2020-21	Core Course	Master	Statistics	4
779	Distribution Theory	18UPSTA1C03	2020-21	Core Course	Master	Statistics	4
780	Sampling Theory	18UPSTA1C04	2020-21	Core Course	Master	Statistics	4
781	Official Statistics	18UPSTA1E01	2020-21	Elective Course	Master	Statistics	3

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	TCS
782	Statistics Practical - I	18UPSTA1P01	2020-21	Core Course	Master	Statistics	3
783	Linear Algebra	18UPSTA2C05	2020-21	Core Course	Master	Statistics	4
784	Estimation Theory	18UPSTA2C06	2020-21	Core Course	Master	Statistics	4
785	Statistical Quality Control	18UPSTA2C07	2020-21	Core Course	Master	Statistics	4
786	Biostatistics	18UPSTA2E06	2020-21	Elective Course	Master	Statistics	3
787	Statistics Practical - II	18UPSTA2P02	2020-21	Core Course	Master	Statistics	3
788	Hypothesis Testing	18UPSTA3C08	2021-22	Core Course	Master	Statistics	4
789	Multivariate Analysis	18UPSTA3C09	2021-22	Core Course	Master	Statistics	4
790	Demographic Methods	18UPSTA3C10	2021-22	Core Course	Master	Statistics	4
791	Econometrics	18UPSTA3C11	2021-22	Core Course	Master	Statistics	4
792	Statistical Data Analysis Using R	18UPSTA3E09	2021-22	Elective Course	Master	Statistics	3

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
793	Statistics Practical Using R - I	18UPSTA3P03	2021-22	Core Course	Master	Statistics	4
794	Real and Complex Analysis	21UPSTA1C01	2021-22	Core Course	Master	Statistics	4
795	Measure and Probability Theory	21UPSTA1C02	2021-22	Core Course	Master	Statistics	4
796	Distribution Theory	21UPSTA1C03	2021-22	Core Course	Master	Statistics	4
797	Sampling Theory	21UPSTA1C04	2021-22	Core Course	Master	Statistics	4
798	Official Statistics	21UPSTA1E01	2021-22	Elective Course	Master	Statistics	3
799	Statistics Practical I	21UPSTA1P01	2021-22	Core Course	Master	Statistics	3
800	Linear Algebra	18UPMAT1C01	2020-21	Core Course	Master	Department of Mathematics	5
801	Real Analysis I	18UPMAT1C02	2020-21	Core Course	Master	Department of Mathematics	5
802	Ordinary Differential Equations	18UPMAT1C03	2020-21	Core Course	Master	Department of Mathematics	5
803	Mechanics	18UPMAT1C04	2020-21	Core Course	Master	Department of Mathematics	5

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804	Number Theory	18UPMAT1E15	2020-21	Elective Course	Master	Department of Mathematics	4
805	Abstract Algebra	18UPMAT1C05	2020-21	Core Course	Master	Department of Mathematics	5
806	Real Analysis II	18UPMAT1C06	2020-21	Core Course	Master	Department of Mathematics	5
807	Partial Differential Equations	18UPMAT1C07	2020-21	Core Course	Master	Department of Mathematics	5
808	Methods of Applied Mathematics	18UPMAT1E05	2020-21	Elective Course	Master	Department of Mathematics	4
809	Topology	18UPMAT1C08	2020-21	Core Course	Master	Department of Mathematics	5
810	Measure Theory and Integration	18UPMAT1C09	2020-21	Core Course	Master	Department of Mathematics	5
811	Graph Theory	18UPMAT1C10	2020-21	Core Course	Master	Department of Mathematics	5
812	Advanced Partial Differential Equations	18UPMAT1E17	2020-21	Elective Course	Master	Department of Mathematics	5
813	Complex Analysis	18UPMAT1C11	2020-21	Core Course	Master	Department of Mathematics	5
814	Functional Analysis	18UPMAT1C12	2020-21	Core Course	Master	Department of Mathematics	5

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815	Numerical Analysis	18UPMAT1C13	2020-21	Core Course	Master	Department of Mathematics	5
816	Combinatorial Mathematics	18UPMAT1E07	2020-21	Elective Course	Master	Department of Mathematics	4
817	Dissertation	18UPMAT1C14	2020-21	Core Course	Master	Department of Mathematics	5
818	Abstract Algebra	21UPMAT1C01	2021-22	Core Course	Master	Department of Mathematics	5
819	Real Analysis I	21UPMAT1C02	2021-22	Core Course	Master	Department of Mathematics	5
820	Ordinary Differential Equations	21UPMAT1C03	2021-22	Core Course	Master	Department of Mathematics	5
821	Foundations of Mathematics	21UPMAT1C04	2021-22	Core Course	Master	Department of Mathematics	5
822	Difference Equations	21UPMAT1E02	2021-22	Elective Course	Master	Department of Mathematics	4
823	Topology	18UPMAT1C08	2021-22	Core Course	Master	Department of Mathematics	5
824	Measure Theory and Integration	18UPMAT1C09	2021-22	Core Course	Master	Department of Mathematics	5
825	Graph Theory	18UPMAT1C10	2021-22	Core Course	Master	Department of Mathematics	5

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
826	Advanced Partial Differential Equations	18UPMAT1E17	2021-22	Elective Course	Master	Department of Mathematics	4
827	Business Law	18MBA12	2021-22	Core Course	Master	Department of Management Studies	5
828	Project Work and Viva Voce	18MBA13	2021-22	Core Course	Master	Department of Management Studies	4
829	Concepts of Management and Communication	18MBA14	2021-22	Core Course	Master	Department of Management Studies	4
830	Organizational Behaviour	21UPMBA1C02	2021-22	Core Course	Master	Department of Management Studies	4
831	Managerial Economics	21UPMBA1C03	2021-22	Core Course	Master	Department of Management Studies	4
832	Financial And Management Accounting Practices	21UPMBA1C04	2021-22	Core Course	Master	Department of Management Studies	4
833	Quantitative Techniques for Managers	21UPMBA1C05	2021-22	Core Course	Master	Department of Management Studies	4
834	Research Methodology for Social Science	21UPMBA1C06	2021-22	Core Course	Master	Department of Management Studies	4
835	Merchant Banking and Financial Services	18MBAF01	2021-22	Elective Course	Master	Department of Management Studies	4
836	Investment Management	18MBAF02	2021-22	Elective Course	Master	Department of Management Studies	4

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837	International Financial Management	18MBAF03	2021-22	Elective Course	Master	Department of Management Studies	4
838	Human Resources Training and Development	18MBAH01	2021-22	Elective Course	Master	Department of Management Studies	4
839	Human Resources Information System	18MBAH02	2021-22	Elective Course	Master	Department of Management Studies	4
840	International Human Resources Management	18MBAH03	2021-22	Elective Course	Master	Department of Management Studies	4
841	Concepts of Management and Communication	18MBA01	2020-21	Core Course	Master	Department of Management Studies	4
842	Organizational Behaviour	18MBA02	2020-21	Core Course	Master	Department of Management Studies	4
843	Managerial Economics	18MBA03	2020-21	Core Course	Master	Department of Management Studies	4
844	Accounting Practices for Managerial Decisions	18MBA04	2020-21	Core Course	Master	Department of Management Studies	4
845	Quantitative Techniques for Managers	18MBA05	2020-21	Core Course	Master	Department of Management Studies	4
846	Research Methodology for Social Sciences	18MBA06	2020-21	Core Course	Master	Department of Management Studies	4
847	Operations Management	18MBA07	2020-21	Core Course	Master	Department of Management Studies	4

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848	Human Resource Management	18MBA08	2020-21	Core Course	Master	Department of Management Studies	4
849	Financial Management	18MBA09	2020-21	Core Course	Master	Department of Management Studies	4
850	Marketing Management	18MBA10	2020-21	Core Course	Master	Department of Management Studies	4
851	Operations Research	18MBA11	2020-21	Core Course	Master	Department of Management Studies	4
852	Business Law	18MBA12	2020-21	Core Course	Master	Department of Management Studies	4
853	Project Work and Viva Voce	18MBA13	2020-21	Core Course	Master	Department of Management Studies	4
854	Strategic Management	18MBA14	2020-21	Core Course	Master	Department of Management Studies	4
855	Entrepreneurship	18MBA15	2020-21	Core Course	Master	Department of Management Studies	4
856	Management Information System and Laboratory	18MBAL1	2020-21	Core Course	Master	Department of Management Studies	4
857	Merchant Banking and Financial Services	18MBAF01	2020-21	Elective Course	Master	Department of Management Studies	4
858	Investment Management	18MBAF02	2020-21	Elective Course	Master	Department of Management Studies	4



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859	International Financial Management	18MBAF03	2020-21	Elective Course	Master	Department of Management Studies	4
860	Human Resources Training and Development	18MBAH01	2020-21	Elective Course	Master	Department of Management Studies	4
861	Human Resources Information System	18MBAH02	2020-21	Elective Course	Master	Department of Management Studies	4
862	International Human Resources Management	18MBAH03	2020-21	Elective Course	Master	Department of Management Studies	4
863	International Marketing Management	18MBAM01	2020-21	Elective Course	Master	Department of Management Studies	4
864	Services Marketing	18MBAM02	2020-21	Elective Course	Master	Department of Management Studies	4
865	Brand Management	18MBAM03	2020-21	Elective Course	Master	Department of Management Studies	4
866	Systems Management	18MBAS01	2020-21	Elective Course	Master	Department of Management Studies	4
867	Business Application Software	18MBAS02	2020-21	Elective Course	Master	Department of Management Studies	4
868	E-Commerce	18MBAS03	2020-21	Elective Course	Master	Department of Management Studies	4
869	Food Science and Chemistry I Practical	18BFSNA01	2020-21	Elective Course	Bachelor	Food Science and Nutrition	2

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
870	Yoga and Fitness Practical	18BFSNV01	2020-21	Elective Course	Bachelor	Food Science and Nutrition	1
871	QP-Purchase Assistant (Level 4)	18BFSNSC01	2020-21	Core Course	Bachelor	Food Science and Nutrition	6
872	Food product development and marketing - I practical	18BFSNA03	2020-21	Elective Course	Bachelor	Food Science and Nutrition	2
873	Quality assurance manager	18BFSNSC03	2020-21	Core Course	Bachelor	Food Science and Nutrition	6
874	Food processing I Technology and serials pulses oilseeds and spices	BFSNC02	2020-21	Core Course	Bachelor	Food Science and Nutrition	3
875	Food science and chemistry - II	BFSNA02	2020-21	Elective Course	Bachelor	Food Science and Nutrition	2
876	MTD - Sago processing techniques	1BFSNTC01	2020-21	Elective Course	Bachelor	Food Science and Nutrition	2
877	Plant baker	18BFSNSC02	2020-21	Core Course	Bachelor	Food Science and Nutrition	6
878	Food quality control	18BFSNC06	2020-21	Core Course	Bachelor	Food Science and Nutrition	3
879	Instrumentation and process control	18BFSNCO7	2020-21	Core Course	Bachelor	Food Science and Nutrition	3
880	Food product development and marketing II - Practical	18BFSNA04	2020-21	Elective Course	Bachelor	Food Science and Nutrition	2

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
881	Food processing and preservation - II Practical	18BFSNC08	2020-21	Core Course	Bachelor	Food Science and Nutrition	2
882	Food for life	18BFSNEL02	2020-21	Elective Course	Bachelor	Food Science and Nutrition	2
883	MTD-Minimal processing of foods and vegetables	18BFSNTC02	2020-21	Elective Course	Bachelor	Food Science and Nutrition	2
884	Quality assurance manager	18BFSNSC03	2020-21	Core Course	Bachelor	Food Science and Nutrition	6
885	Food industrial by - Products and waste management	BFSNC13	2020-21	Core Course	Bachelor	Food Science and Nutrition	3
886	Food trade and business management	BFSNC14	2020-21	Core Course	Bachelor	Food Science and Nutrition	3
887	Nutrition assesment and diet planning practical	BFSNC15	2020-21	Core Course	Bachelor	Food Science and Nutrition	2
888	Application In food industry practical	18BFSNC16	2020-21	Core Course	Bachelor	Food Science and Nutrition	2
889	Nutrition and physical fitness	18BFSNEL04	2020-21	Elective Course	Bachelor	Food Science and Nutrition	2
890	Fostac basic level	18BFSNTC03	2020-21	Elective Course	Bachelor	Food Science and Nutrition	2
891	Food production manager	18BFSNSC04	2020-21	Core Course	Bachelor	Food Science and Nutrition	6

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
892	Science and Handling of Raw Materials	18BFSNCO1	2021-22	Core Course	Bachelor	Food Science and Nutrition	3
893	Food Science and Chemistry I Practical	18BFSNA01	2021-22	Elective Course	Bachelor	Food Science and Nutrition	2
894	Yoga and Fitness Practical	18BFSNV01	2021-22	Elective Course	Bachelor	Food Science and Nutrition	1
895	QP-Purchase Assistant (Level 4)	18BFSNSC01	2021-22	Core Course	Bachelor	Food Science and Nutrition	6
896	Food Processing II	18BFSNC03	2021-22	Core Course	Bachelor	Food Science and Nutrition	3
897	Food processing III	18BFSNC04	2021-22	Core Course	Bachelor	Food Science and Nutrition	3
898	Food product development and marketing - I practical	18BFSNA03	2021-22	Elective Course	Bachelor	Food Science and Nutrition	2
899	Food processing and preservation - I practical	18BFSNC05	2021-22	Core Course	Bachelor	Food Science and Nutrition	2
900	Nutritional Chemistry	18BFSNEL01	2021-22	Elective Course	Bachelor	Food Science and Nutrition	2
901	Quality assurance manager	18BFSNSC03	2021-22	Core Course	Bachelor	Food Science and Nutrition	6
902	Food microbiology	18BFSNC09	2021-22	Core Course	Bachelor	Food Science and Nutrition	3

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
903	Food packaging technology	18BFSNC10	2021-22	Core Course	Bachelor	Food Science and Nutrition	3
904	Food microbiology practical	18BFSNC11	2021-22	Core Course	Bachelor	Food Science and Nutrition	2
905	Food quality analysis practical	18BFSNC12	2021-22	Core Course	Bachelor	Food Science and Nutrition	2
906	food for disease	18BFSNEL03	2021-22	Elective Course	Bachelor	Food Science and Nutrition	2
907	food production manager	18BFSNSC04	2021-22	Core Course	Bachelor	Food Science and Nutrition	6
908	Food processing I Technology and serials pulses oilseeds and spices	BFSNC02	2021-22	Core Course	Bachelor	Food Science and Nutrition	3
909	Food science and chemistry - II	BFSNA02	2021-22	Elective Course	Bachelor	Food Science and Nutrition	2
910	MTD - Sago processing techniques	1BFSNTC01	2021-22	Elective Course	Bachelor	Food Science and Nutrition	2
911	Plant baker	18BFSNSC02	2021-22	Core Course	Bachelor	Food Science and Nutrition	6
912	Food quality control	18BFSNC06	2021-22	Core Course	Bachelor	Food Science and Nutrition	3
913	Instrumentation and process control	18BFSNCO7	2021-22	Core Course	Bachelor	Food Science and Nutrition	3

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
914	Food product development and marketing II - Practical	18BFSNA04	2021-22	Elective Course	Bachelor	Food Science and Nutrition	2
915	Food processing and preservation - II Practical	18BFSNC08	2021-22	Core Course	Bachelor	Food Science and Nutrition	2
916	Food for life	18BFSNEL02	2021-22	Elective Course	Bachelor	Food Science and Nutrition	2
917	MTD-Minimal processing of foods and vegetables	18BFSNTC02	2021-22	Elective Course	Bachelor	Food Science and Nutrition	2
918	Quality assurance manager	18BFSNSC03	2021-22	Core Course	Bachelor	Food Science and Nutrition	6
919	Food industrial by - Products and waste management	BFSNC13	2021-22	Core Course	Bachelor	Food Science and Nutrition	3
920	Food trade and business management	BFSNC14	2021-22	Core Course	Bachelor	Food Science and Nutrition	3
921	Nutrition assesment and diet planning practical	BFSNC15	2021-22	Core Course	Bachelor	Food Science and Nutrition	2
922	Application In food industry practical	18BFSNC16	2021-22	Core Course	Bachelor	Food Science and Nutrition	2
923	Nutrition and physical fitness	18BFSNEL04	2021-22	Elective Course	Bachelor	Food Science and Nutrition	2
924	Fostac basic level	18BFSNTC03	2021-22	Elective Course	Bachelor	Food Science and Nutrition	2

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
925	Food production manager	18BFSNSC04	2021-22	Core Course	Bachelor	Food Science and Nutrition	6
926	Food science and Chemistry	18FSTNC01	2021-22	Core Course	Master	Food Science and Nutrition	4
927	Food Processing Technology	18FSTNC02	2021-22	Core Course	Master	Food Science and Nutrition	4
928	Research Methodology	18FSTNC03	2021-22	Core Course	Master	Food Science and Nutrition	4
929	Food science and Chemistry Practical	18FSTNC04	2021-22	Core Course	Master	Food Science and Nutrition	2
930	Data Management and Statistics Practical	18FSTNC05	2021-22	Core Course	Master	Food Science and Nutrition	2
931	Food Packaging Technology	18FSTNE01	2021-22	Elective Course	Master	Food Science and Nutrition	4
932	Instrumentation in Food Processing	18FSTNE02	2021-22	Elective Course	Master	Food Science and Nutrition	4
933	Part 01 Research Food Product Development and Quality Evaluation	18FSTNIL01	2021-22	Elective Course	Master	Food Science and Nutrition	2
934	Nutritional Biochemistry	18FSTNC10	2021-22	Core Course	Master	Food Science and Nutrition	4
935	Nutrition in Life Cycle	18FSTNC11	2021-22	Core Course	Master	Food Science and Nutrition	4

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
936	Public Health Nutrition	18FSTNC12	2021-22	Core Course	Master	Food Science and Nutrition	4
937	Computer Aided Diet Planning Practical	18FSTNC13	2021-22	Core Course	Master	Food Science and Nutrition	2
938	Specialized Nutrition	18FSTNE05	2021-22	Elective Course	Master	Food Science and Nutrition	4
939	Nutritional Policies and Programms	18FSTNE06	2021-22	Elective Course	Master	Food Science and Nutrition	4
940	Nutrition for the Community Practical	18FSTNS02	2021-22	Elective Course	Master	Food Science and Nutrition	2
941	Part 3 Research Nutrition and Health Care Process of the Community	18FSTNIL03	2021-22	Elective Course	Master	Food Science and Nutrition	2
942	Food Microbiology and Preservation	18FSTNC06	2021-22	Core Course	Master	Food Science and Nutrition	4
943	Food Safety and Quality Control	18FSTNC07	2021-22	Core Course	Master	Food science and Nutrition	4
944	Food Safety and Quality Control Practical	18FSTNC08	2021-22	Core Course	Master	Food science and Nutrition	2
945	Food Composition Analysis Practical	18FSTNC09	2021-22	Core Course	Master	Food science and Nutrition	2
946	Food Industries Waste Management	18FSTNE03	2021-22	Elective Course	Master	Food science and Nutrition	4



Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
947	Food Safety and Management Practical	18FSTNS01	2021-22	Elective Course	Master	Food science and Nutrition	2
948	Food Biotechnology	18FSTNE04	2021-22	Elective Course	Master	Food science and Nutrition	4
949	Part 2 Research Business Plan and Quality Assurance Sytem for the New Product	18FSTNIL02	2021-22	Elective Course	Master	Food science and Nutrition	2
950	Processed Food Entrepreneur	18FSTNSC01	2021-22	Core Course	Master	Food science and Nutrition	4
951	Clinical Nutrition I	18 FSTNC14	2021-22	Core Course	Master	Food science and Nutrition	4
952	Clinical Nutrition II	18 FSTNC15	2021-22	Core Course	Master	Food science and Nutrition	4
953	Biochemical Analysis Practical	18 FSTNC16	2021-22	Core Course	Master	Food science and Nutrition	2
954	Computer Aided Clinical Nutrition Practical	18 FSTNC17	2021-22	Core Course	Master	Food science and Nutrition	2
955	Innovation and Startup Practical	18 FSTNC18	2021-22	Core Course	Master	Food science and Nutrition	2
956	Physiological Aspects of Nutrition	18 FSTNE07	2021-22	Elective Course	Master	Food science and Nutrition	4
957	Nutritional Epidemiology	18 FSTNE08	2021-22	Elective Course	Master	Food science and Nutrition	4

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958	Part 4 Research Nutrition Care of an individual	18 FSTNIL04	2021-22	Elective Course	Master	Food science and Nutrition	2
959	Sports Nutritionist	18 FSTNSC02	2021-22	Core Course	Master	Food science and Nutrition	4
960	Education as a Field of Study Education as a Field of Study	18MEDC01	2020-21	Core Course	Master	EDUCATION	4
961	Philosophical Sociological Foundations of Education	18MEDC02	2021-22	Core Course	Master	EDUCATION	4
962	Advanced Educational Psychology	18MEDC03	2020-21	Core Course	Master	EDUCATION	4
963	Education System in India	18MEDC04	2020-21	Core Course	Master	EDUCATION	4
964	Communication and Expository Writing	18MEDC05	2020-21	Core Course	Master	EDUCATION	4
965	Self- Development Yoga and Life Skills	18MEDI01	2020-21	Elective Course	Master	EDUCATION	2
966	Perspectives in Teacher Education	18MEDC06	2020-21	Core Course	Master	EDUCATION	4
967	Perspectives in Teacher Education	18MEDC06	2020-21	Core Course	Master	EDUCATION	4
968	Curriculum Development	18MEDC07	2020-21	Core Course	Master	EDUCATION	4

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
969	Methods of Educational Research	18MEDC08	2020-21	Core Course	Master	EDUCATION	4
970	Educational Technology	18MEDC09	2021-22	Core Course	Master	EDUCATION	4
971	Teaching Techniques	18MEDS01	2021-22	Elective Course	Master	EDUCATION	3
972	Pre-Marital Education	18MEDS02	2020-21	Elective Course	Master	EDUCATION	4
973	Value Education	18MEDS03	2020-21	Elective Course	Master	EDUCATION	3
974	Womens Education	18MEDS04	2021-22	Elective Course	Master	EDUCATION	3
975	Internship in a TEI	18MEDI03	2020-21	Elective Course	Master	EDUCATION	4
976	Guidance and Counselling	18MEDC10	2020-21	Core Course	Master	EDUCATION	4
977	Statistics in Educational Research	18MEDC11	2020-21	Core Course	Master	EDUCATION	4
978	Edumetry	18MEDC12	2020-21	Core Course	Master	EDUCATION	4
979	Biomolecules	17BCHC01	2020-21	Core Course	Master	Biochemistry	4

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
980	Information and Communication Technology in Education	18MEDE02	2020-21	Elective Course	Master	EDUCATION	4
981	Educational Administration and Management	18MEDE03	2020-21	Elective Course	Master	EDUCATION	4
982	Internship - Practicum	18MEDI04	2020-21	Elective Course	Master	EDUCATION	4
983	Preparation of Research Tool and Standardization	18MEDI05	2020-21	Elective Course	Master	EDUCATION	2
984	Analytical Techniques	18BCHC02	2020-21	Core Course	Master	Biochemistry	4
985	Field Trip Report	18MEDI06	2020-21	Elective Course	Master	EDUCATION	1
986	Inclusive Education	18MEDC13	2020-21	Core Course	Master	EDUCATION	4
987	Bionolecules	18BCHC01	2020-21	Core Course	Master	BIOCHEMISTRY	4
988	Higher Education	18MEDC14	2020-21	Core Course	Master	EDUCATION	4
989	Comparative Education	18MEDE04	2020-21	Elective Course	Master	EDUCATION	4
990	Biomolecules	18BCHC01	2020-21	Core Course	Master	BIOCHEMISTRY	4

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
991	Pedagogy of Teaching	18MEDE05	2020-21	Elective Course	Bachelor	EDUCATION	4
992	Analytical Techniques	18BCHC02	2020-21	Core Course	Master	BIOCHEMISTRY	4
993	Instructional Technology	18MEDE06	2020-21	Elective Course	Master	EDUCATION	4
994	Dissertation and Viva-voce	18MEDI07	2020-21	Elective Course	Master	EDUCATION	6
995	Advanced Enzymology	18BCHC03	2020-21	Core Course	Master	Biochemistry	4
996	Cell Biology and Physiology	18BCHC04	2020-21	Core Course	Master	Biochemistry	4
997	Intermediary Metabolism	18BCHC05	2020-21	Core Course	Master	Biochemistry	4
998	Plant Biochemistry	18BCHC06	2020-21	Core Course	Master	Biochemistry	4
999	Molecular Biology	18BCH07	2020-21	Core Course	Master	Biochemistry	4
1000	Genetic Engineering	18BCHC08	2020-21	Core Course	Master	BiochemIstry	4
1001	Advanced Clinical Biochemistry	18BCHC09	2020-21	Core Course	Master	Biochemistry	4

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1002	Immunology	18BCHC10	2020-21	Core Course	Master	Biochemistry	4
1003	Drug Biochemistry and Clinical Toxicology	18BCHC11	2020-21	Core Course	Master	Biochemistry	4
1004	- Practical I (Biochemical Techniques and Enzymology)	18BCHP01	2020-21	Core Course	Master	Biochemistry	4
1005	Practical II - Molecular and Microbial Techniques	18BCHP02	2020-21	Core Course	Master	Biochemistry	4
1006	Practical III -Clinical Biochemistry and Genetic Engineering	18BCHP03	2021-22	Core Course	Master	Biochemistry	4
1007	Practical IV- Clinical Biochemistry and Immunology	18BCHP04	2020-21	Core Course	Master	Biochemistry	4
1008	Molecular Endocrinology	18BCHE01	2020-21	Elective Course	Master	Biochemistry	4
1009	Cancer Biology	18BCHE02	2020-21	Elective Course	Master	BIOCHEMISTRY	4
1010	Nutritional Biochemistry	18BCHE05	2020-21	Elective Course	Master	Biochemistry	4
1011	Biological Molecules	21UPBIC1C01	2021-22	Core Course	Master	Biochemistry	4
1012	Bioanalytical Techniques	21UPBIC1C02	2021-22	Core Course	Master	Biochemistry	4

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1013	Advanced Enzymology	21UPBIC1C03	2021-22	Core Course	Master	Biochemistry	4
1014	Cellular Biochemistry	21UPBIC1C04	2021-22	Core Course	Master	Biochemistry	4
1015	Intermediary Metabolism and Energetics	21UPBIC1C05	2021-22	Core Course	Master	Biochemistry	4
1016	Plant Biochemistry	21UPBIC1C06	2021-22	Core Course	Master	Biochemistry	4
1017	Advanced Molecular Biology	21UPBIC1C07	2021-22	Core Course	Master	Biochemistry	4
1018	Gene Technology	21UPBIC1C08	2021-22	Core Course	Master	Biochemistry	4
1019	Clinical and diagnostic Biochemistry	21UPBIC1C09	2021-22	Core Course	Master	Biochemistry	4
1020	Immunology and Immunotechnology	21UPBIC1C10	2021-22	Core Course	Master	Biochemistry	4
1021	Pharmacology and Clinical Technology	21UPBIC1C11	2021-22	Core Course	Master	Biochemistry	4
1022	Practical I- Biological MoleculesEnzymology and Bioanalytical Techniques	21UPBIC1P01	2021-22	Core Course	Master	Biochemistry	4
1023	Molecular and Microbial Techniques	21UPBIC1P02	2021-22	Core Course	Master	Biochemistry	4

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1024	Clinical diagnostic Biochemistry and Genetic Engineering	21UPBIC1P03	2021-22	Core Course	Master	Biochemistry	4
1025	Clinical Biochemistry and Immunology and Immunotechniques	21UPBIC1P04	2021-22	Core Course	Master	Biochemistry	4
1026	Endocrine system and Hormonal Regulation	21UPBIC1E01	2021-22	Elective Course	Master	Biochemistry	4
1027	Oncology	21UPBIC1E01	2021-22	Elective Course	Master	Biochemistry	4
1028	Nutritional Biochemistry	21UPBIC1E05	2021-22	Elective Course	Master	Biochemistry	4
1029	Tools and Techniques in Bioscience	18BCHS01	2020-21	Elective Course	Master	Biochemistry	3
1030	Medical Laboratory Technology	18BCHS02	2020-21	Elective Course	Master	Biochemistry	3
1031	Project and Viva-voce	18BCHPR01	2020-21	Core Course	Master	Biochemistry	6
1032	Project Viva	21UPBIC1PR01	2021-22	Core Course	Master	Biochemistry	4
1033	Education as a Field of Study	18MEDC01	2020-21	Core Course	Master	EDUCATION	4
1034	Philosophical Sociological Foundations of Education	18MEDC02	2020-21	Core Course	Master	EDUCATION	4



Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
1035	Advanced Educational Psychology	18MEDC03	2020-21	Core Course	Master	EDUCATION	4
1036	Education System in India	18MEDC04	2020-21	Core Course	Master	EDUCATION	4
1037	Communication and Expository Writing	18MEDC05	2020-21	Core Course	Master	EDUCATION	4
1038	Self- Development Yoga and Life Skills	18MEDI01	2020-21	Elective Course	Master	EDUCATION	4
1039	Perspectives in Teacher Education	18MEDC06	2020-21	Core Course	Master	EDUCATION	4
1040	Curriculum Development	18MEDC07	2020-21	Core Course	Master	EDUCATION	4
1041	Methods of Educational Research	18MEDC08	2020-21	Core Course	Bachelor	EDUCATION	4
1042	Educational Technology	18MEDC09	2020-21	Core Course	Master	EDUCATION	4
1043	Teaching Techniques	18MEDS01	2020-21	Elective Course	Master	EDUCATION	3
1044	Pre-Marital Education	18MEDS02	2020-21	Elective Course	Master	EDUCATION	3
1045	Value EducationN	18MEDS03	2020-21	Elective Course	Master	EDUCATION	3

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
1046	Womens Education	18MEDS04	2020-21	Elective Course	Master	EDUCATION	4
1047	Internship in a TEI	18MEDI03	2020-21	Elective Course	Master	EDUCATION	4
1048	Guidance and Counselling	18MEDC10	2020-21	Core Course	Master	EDUCATION	4
1049	Statistics in Educational Research	18MEDC11	2020-21	Core Course	Master	EDUCATION	4
1050	Edumetry	18MEDC12	2020-21	Core Course	Master	EDUCATION	4
1051	Elementary Secondary Education	18MEDE01	2020-21	Elective Course	Master	EDUCATION	3
1052	Information and Communication Technology in Education	18MEDE02	2020-21	Elective Course	Master	EDUCATION	3
1053	Educational Administration and Management	18MEDE03	2020-21	Elective Course	Master	EDUCATION	3
1054	Internship - Practicum	18MEDI04	2020-21	Elective Course	Master	EDUCATION	3
1055	Preparation of Research Tool and Standardization	18MEDI05	2020-21	Elective Course	Master	EDUCATION	3
1056	Field Trip Report	18MEDI06	2020-21	Elective Course	Master	EDUCATION	3

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	TCS
1057	Inclusive Education	18MEDC13	2020-21	Core Course	Master	EDUCATION	4
1058	Higher Education	18MEDC14	2020-21	Core Course	Master	EDUCATION	3
1059	Comparative Education	18MEDE04	2020-21	Elective Course	Master	EDUCATION	3
1060	Pedagogy of Teaching	18MEDE05	2020-21	Elective Course	Master	EDUCATION	3
1061	Instructional Technology	18MEDE06	2020-21	Elective Course	Master	EDUCATION	3
1062	Dissertation and Viva-voce	18MEDI07	2020-21	Elective Course	Master	EDUCATION	3
1063	Basics of Textiles	18UPTAD2C01	2020-21	Core Course	Bachelor	Textiles and Apparel Design	3
1064	Sewing Machine Operator	18UPTAD2S01	2020-21	Core Course	Bachelor	Textile and Apparel Design	6
1065	Portfolio Assessment	18UPTAD2P01	2020-21	Core Course	Bachelor	Textiles and Apparel Design	2
1066	Apparel Seams and Stitches Practical	18UPTAD2C02	2020-21	Core Course	Bachelor	Textiles and Apparel Design	3
1067	Production Supervisor	18UPTAD2S02	2020-21	Core Course	Bachelor	Textiles and Apparel Design	6

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
1068	Industrial Pattern Making Practical	18UPTAD2C04	2020-21	Core Course	Bachelor	Textile and Apparel Design	2
1069	Industrial Garment Machineries and Equipments	18UPTAD2C05	2020-21	Core Course	Bachelor	Textiles and Apparel Design	3
1070	Industrial Engineer (IE)	18UPTAD2S03	2020-21	Core Course	Bachelor	Textiles and Apparel Design	6
1071	Textile Testing	18UPTAD1C13	2020-21	Core Course	Master	Textiles and Apparel Design	4
1072	Textile Testing Practicals	18UPTAD1C15	2020-21	Core Course	Master	Textiles and Apparel Design	6
1073	Research Methodology	18UPTAD1C12	2020-21	Core Course	Master	Textiles and Apparel Design	4
1074	Standards and Specifications	18UPTAD1C14	2020-21	Core Course	Master	Textiles and Apparel Design	4
1075	Computerized Pattern Making Practicals	18UPTAD1C16	2020-21	Core Course	Master	Textiles and Apparel Design	4
1076	Mushroom Technology	21PBOT1E01	2021-22	Elective Course	Master	Botany Department	4
1077	Mushroom Technology	21PBOT1E01	2020-21	Elective Course	Master	Botany Department	4
1078	Biofertilizer and Organic Farming	21PBOT2E02	2020-21	Elective Course	Master	Botany Department	4

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1079	Biofertilizer and Organic Farming	21PBOT2E02	2021-22	Elective Course	Master	Botany Department	4
1080	Internship Assessment	18UPTAD2I03	2020-21	Core Course	Bachelor	Textiles and Apparel Design	1
1081	Portfolio Assessment	18UPTAD2P03	2020-21	Core Course	Bachelor	Textiles and Apparel Design	2
1082	Mini Project and Viva Voce	18UPTAD2M03	2020-21	Core Course	Bachelor	Textiles and Apparel Design	3
1083	Textile Testing	18UPTAD1C13	2020-21	Core Course	Master	Textiles and Apparel Design	4
1084	Textile Testing Practicals	18UPTAD1C15	2020-21	Core Course	Master	Textiles and Apparel Design	6
1085	Research Methodology	18UPTAD1C12	2020-21	Core Course	Master	Textiles and apparel Design	4
1086	Standards and Specifications	18UPTAD1C14	2020-21	Core Course	Master	Textiles and Apparel Design	4
1087	Visual Merchandising	18UPTAD1E08	2020-21	Elective Course	Master	Textiles and Apparel Design	4
1088	Intellectual Property Rights for Textiles and Fashion	18UPTAD1E06	2020-21	Elective Course	Master	Textiles and Apparel Design	4
1089	Computerized Pattern Making Practicals	18UPTAD1C16	2020-21	Core Course	Master	Textiles and Apparel Design	4

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
1090	Textile and Apparel Quality Control	18UPTAD2C06	2020-21	Core Course	Bachelor	Textiles and Apparel Design	3
1091	Garment Construction Practical - I (Kids Wear)	18UPTAD2C07	2020-21	Core Course	Bachelor	Textiles and Apparel Design	2
1092	Draping Practical	18UPTAD2C08	2020-21	Core Course	Master	Textiles and Apparel Design	1
1093	Knitting Technology	18UPTAD2C09	2020-21	Core Course	Bachelor	Textiles and Apparel Design	6
1094	Internship Assessment	18UPTAD2I04	2020-21	Core Course	Bachelor	Textiles and Apparel Design	1
1095	Portfolio Assessment	18UPTAD2P04	2020-21	Core Course	Bachelor	Textiles and Apparel Design	2
1096	Mini Project and Viva Voce	18UPTAD2M04	2020-21	Core Course	Bachelor	Textiles and Apparel Design	3
1097	Industrial Garment Costing	18UPTAD2C10	2020-21	Core Course	Bachelor	Textiles and Apparel Design	2
1098	Lean Management	18UPTAD2C11	2020-21	Core Course	Bachelor	Textiles and Apparel Design	2
1099	Garment Construction Practical Womens Wear	18UPTAD2C12	2020-21	Core Course	Bachelor	Textiles and Apparel Design	2
1100	Advance Fabric Structure Analysis Practical	18UPTAD2C13	2020-21	Core Course	Bachelor	Textiles and Apparel Design	2

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
1101	Graphic Design Practical	18UPTAD2C14	2020-21	Core Course	Bachelor	Textiles and Apparel Design	2
1102	Sustainable Apparel Production	18UPTAD2E02	2020-21	Elective Course	Bachelor	Textiles and Apparel Design	2
1103	Entrepreneurship Development - I	18UPTAD2E03	2020-21	Elective Course	Bachelor	Textiles and Apparel Design	2
1104	Traditional Embroidery Practical	18UPTAD2E04	2020-21	Elective Course	Bachelor	Textiles and Apparel Design	2
1105	Garment Construction Practical Mens Wear	18UPTAD2C15	2020-21	Core Course	Bachelor	Textiles and Apparel Design	2
1106	DESIGN THINKING FOR INNOVATION	18UPTAD2C16	2020-21	Core Course	Bachelor	Textiles and Apparel Design	2
1107	Fashion Portfolio Practical	18UPTAD2C17	2020-21	Core Course	Bachelor	Textiles and Apparel Design	2
1108	Six Sigma	18UPTAD2C18	2020-21	Core Course	Bachelor	Textiles and Apparel Design	2
1109	Computerized Pattern Making Practical	18UPTAD2C19	2020-21	Core Course	Bachelor	Textiles and Apparel Design	2
1110	Color and Design Forecasting	18UPTAD2E05	2020-21	Elective Course	Bachelor	Textiles and Apparel Design	2
1111	Entrepreneurship Development - II	18UPTAD2E06	2020-21	Elective Course	Bachelor	Textiles and Apparel Design	2

<b>Srno</b>	<b>Title of Course</b>	<b>Course Code</b>	<b>Academic Year</b>	<b>Type of Course</b>	<b>Level of Course</b>	<b>Course Offering Department/ Centre/ Unit Name</b>	<b>T C S</b>
1112	Dyeing and Printing Practical	18UPTAD2E08	2020-21	Elective Course	Bachelor	Textiles and Apparel Design	2
1113	Sourcing Manager	18UPTAD2S04	2020-21	Core Course	Bachelor	Textiles and Apparel Design	6
1114	Internship Assessment	18UPTAD2I05	2020-21	Core Course	Bachelor	Textiles and Apparel Design	1
1115	Portfolio Assessment	18UPTAD2P05	2020-21	Core Course	Bachelor	Textiles and Apparel Design	2
1116	Mini Project and Viva Voce	18UPTAD2M05	2020-21	Elective Course	Bachelor	Textiles and Apparel Design	3
1117	Sourcing Manager	18UPTAD2S04	2020-21	Core Course	Bachelor	Textiles and Apparel Design	6
1118	Internship Assessment	18UPTAD2I06	2020-21	Core Course	Bachelor	Textiles and Apparel Design	1
1119	Portfolio Assessment	18UPTAD2P06	2020-21	Core Course	Bachelor	Textiles and Apparel Design	2
1120	Mini Project and Viva Voce	18UPTAD2M06	2020-21	Core Course	Bachelor	Textiles and Apparel Design	3
1121	Garment Construction Practical (Mens Wear )	18UPTAD2C15	2020-21	Core Course	Bachelor	Textiles and Apparel Design	2
1122	Design Thinking for Innovation	18UPTAD2C16	2021-22	Core Course	Bachelor	Textiles and Apparel Design	2



Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
1123	Fashion Portfolio Practical	18UPTAD2C17	2021-22	Core Course	Bachelor	Textiles and Apparel Design	2
1124	Six Sigma	18UPTAD2C18	2021-22	Core Course	Bachelor	Textiles and Apparel Design	2
1125	Computerized Pattern Making Practical	18UPTAD2C19	2021-22	Core Course	Bachelor	Textiles and Apparel Design	2
1126	Entrepreneurship Development - II	18UPTAD2E06	2021-22	Elective Course	Bachelor	Textiles and Apparel Design	2
1127	Dyeing and Printing Practical	18UPTAD2E08	2021-22	Elective Course	Bachelor	Textiles and Apparel Design	2
1128	Sourcing Manager	18UPTAD2S04	2021-22	Core Course	Bachelor	Textiles and Apparel Design	3
1129	Portfolio Assessment	18UPTAD2P06	2021-22	Core Course	Bachelor	Textiles and Apparel Design	2
1130	Mini Project and Viva Voce	18UPTAD2M06	2021-22	Core Course	Bachelor	Textiles and Apparel Design	3
1131	Industrial Garment Costing	18UPTAD2C10	2021-22	Core Course	Bachelor	Textiles and Apparel Design	2
1132	Lean Management	18UPTAD2C11	2021-22	Core Course	Bachelor	Textiles and Apparel Design	2
1133	Garment Construction Practical	18UPTAD2C12	2021-22	Core Course	Bachelor	Textiles and Apparel Design	2

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
1134	Advance Fabric Structure Analysis Practical	18UPTAD2C13	2021-22	Core Course	Bachelor	Textiles and Apparel Design	2
1135	Graphic Design Practical	18UPTAD2C14	2021-22	Core Course	Bachelor	Textiles and Apparel Design	2
1136	Sustainable Apparel Production	18UPTAD2E02	2021-22	Elective Course	Bachelor	Textiles and Apparel Design	2
1137	Traditional Embroidery Practical	18UPTAD2E04	2021-22	Core Course	Bachelor	Textiles and Apparel Design	2
1138	Sourcing Manager	18UPTAD2S04	2021-22	Core Course	Bachelor	Textiles and Apparel Design	6
1139	Internship Assessment	18UPTAD2I05	2021-22	Elective Course	Bachelor	Textiles and Apparel Design	1
1140	Portfolio Assessment	18UPTAD2P05	2021-22	Core Course	Bachelor	Textiles and Apparel Design	2
1141	Mini Project and Viva Voce	18UPTAD2M05	2021-22	Core Course	Bachelor	Textiles and Apparel Design	3
1142	Textile Processing	18UPTAD2C03	2021-22	Core Course	Bachelor	Textiles and Apparel Design	3
1143	Industrial Pattern Making Practical	18UPTAD2C04	2021-22	Core Course	Bachelor	Textiles and Apparel Design	3
1144	Industrial Garment Machineries and Equipments	18UPTAD2C05	2021-22	Core Course	Bachelor	Textiles and Apparel Design	3

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
1145	Industrial Engineer	18UPTAD2S03	2021-22	Core Course	Bachelor	Textiles and Apparel Design	6
1146	Internship Assessment	18UPTAD2I03	2021-22	Core Course	Bachelor	Textiles and Apparel Design	1
1147	Portfolio Assessment	18UPTAD2P03	2021-22	Core Course	Bachelor	Textiles and Apparel Design	2
1148	Mini Project and Viva Voce	18UPTAD2M03	2021-22	Core Course	Bachelor	Textiles and Apparel Design	3
1149	Textile and Apparel Quality Control	18UPTAD2C06	2021-22	Core Course	Bachelor	Textiles and Apparel Design	3
1150	Draping Practical	18UPTAD2C08	2021-22	Core Course	Bachelor	Textiles and Apparel Design	1
1151	Knitting Technology	18UPTAD2C09	2021-22	Core Course	Bachelor	Textiles and Apparel Design	2
1152	Industrial Engineer	18UPTAD2S03	2021-22	Core Course	Bachelor	Textiles and Apparel Design	6
1153	Portfolio Assessment	18UPTAD2P04	2021-22	Core Course	Bachelor	Textiles and Apparel Design	2
1154	Mini Project and Viva Voce	18UPTAD2M04	2021-22	Core Course	Bachelor	Textiles and Apparel Design	3
1155	Mini Project and Viva Voce	18UPTAD2M03	2021-22	Core Course	Bachelor	Textiles and Apparel Design	3

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
1156	Mini Project and Viva Voce	18UPTAD2M02	2021-22	Core Course	Bachelor	Textiles and Apparel Design	3
1157	Portfolio Assessment	18UPTAD2P02	2021-22	Core Course	Bachelor	Textiles and Apparel Design	2
1158	Production Supervisor	18UPTAD2S02	2021-22	Core Course	Bachelor	Textiles and Apparel Design	6
1159	Apparel Seams and Stitches Practical	18UPTAD2C02	2021-22	Core Course	Bachelor	Textiles and Apparel Design	2
1160	Sewing Machine Operator	18UPTAD2S01	2021-22	Core Course	Bachelor	Textiles and Apparel Design	3
1161	Internship Assessment	18UPTAD2I01	2021-22	Core Course	Bachelor	Textiles and Apparel Design	1
1162	Portfolio Assessment	18UPTAD2P01	2021-22	Core Course	Bachelor	Textiles and Apparel Design	2
1163	Mini Project and Viva Voce	18UPTAD2M01	2021-22	Core Course	Bachelor	Textiles and Apparel Design	2
1164	Internship	19UPESC2C13	2020-21	Core Course	Master	Energy Science and Technology	2
1165	Internship	21UPEST2C13	2021-22	Core Course	Master	Energy Science and Technology	2
1166	Food science and Chemistry	18FSTNC01	2020-21	Core Course	Master	food science and nutrition	4

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
1167	Food Processing Technology	18FSTNC02	2020-21	Core Course	Master	food science and nutrition	4
1168	Research Methodology	18FSTNC03	2020-21	Core Course	Master	food science and nutrition	4
1169	Food science and Chemistry Practical	18FSTNC04	2020-21	Core Course	,Master	food science and nutrition	2
1170	Data Management and Statistics Practical	18FSTNC05	2020-21	Core Course	Master	food science and nutrition	2
1171	Food Packaging Technology	18FSTNE01	2020-21	Elective Course	Master	food science and nutrition	4
1172	Instrumentation in Food Processing	18FSTNE02	2020-21	Elective Course	Master	food science and nutrition	4
1173	Industrial Visit- minimum three industries	18FSTNEL01	2020-21	Elective Course	Master	food science and nutrition	1
1174	Part 01 Research Food Product Development and Quality Evaluation	18FSTNIL01	2020-21	Core Course	Master	food science and nutrition	2
1175	Nutritional Biochemistry	18FSTNC10	2020-21	Core Course	Master	food science and nutrition	4
1176	Nutrition in Life Cycle	18FSTNC11	2020-21	Core Course	Master	food science and nutrition	4
1177	Public Health Nutrition	18FSTNC12	2020-21	Core Course	Master	food science and nutrition	4

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
1178	Computer Aided Diet Planning Practical	18FSTNC13	2020-21	Core Course	Master	food science and nutrition	2
1179	Specialized Nutrition	18FSTNE05	2020-21	Elective Course	Master	food science and nutrition	4
1180	Nutritional Policies and Programms	18FSTNE06	2020-21	Elective Course	Master	food science and nutrition	4
1181	Part 3 Research - Nutrition and Health Care Process of the Community	18FSTNIL03	2020-21	Core Course	Bachelor	food science and nutrition	2
1182	Food Microbiology and Preservation	18FSTNC06	2020-21	Core Course	Master	food science and nutrition	4
1183	Food Safety and Quality Control	18FSTNC07	2020-21	Core Course	Master	food science and nutrition	4
1184	Food Safety and Quality Control Practical	18FSTNC08	2020-21	Core Course	Master	food science and nutrition	2
1185	Food Composition Analysis Practical	18FSTNC09	2020-21	Core Course	Master	food science and nutrition	2
1186	Food Industries Waste Management	18FSTNE03	2020-21	Elective Course	Master	food science and nutrition	4
1187	Food Safety and Management Practical	18FSTNS01	2020-21	Core Course	Master	food science and nutrition	2
1188	Food Biotechnology	18FSTNE04	2020-21	Elective Course	Master	food science and nutrition	4

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	T C S
1189	Part 2 Research - Business Plan and Quality Assurance Sysytem for the New Product	18FSTNIL02	2020-21	Core Course	Master	food science and nutrition	2
1190	Processed Food Entrepreneur	18FSTNSC01	2020-21	Elective Course	Master	food science and nutrition	4
1191	Clinical Nutrition I	18 FSTNC14	2020-21	Core Course	Master	food science and nutrition	4
1192	Clinical Nutrition II	18 FSTNC15	2020-21	Core Course	Master	food science and nutrtn	4
1193	Biochemical Analysis Practical	18 FSTNC16	2020-21	Core Course	Master	food science and nutrition	2
1194	Computer Aided Clinical Nutrition Practical	18 FSTNC17	2020-21	Core Course	Master	food science and nutrition	2
1195	Innovation and Startup Practical	18 FSTNC18	2021-22	Core Course	Master	food science and nutrition	2
1196	Physiological Aspects of Nutrition	18 FSTNE07	2020-21	Elective Course	Master	food science and nutrition	4
1197	Nutritional Epidemiology	18 FSTNE08	2020-21	Elective Course	Master	food science and nutrition	4
1198	Part 4 Research - Nutrition Care of an individual	18 FSTNIL04	2020-21	Core Course	Master	food science and nutrition	2
1199	Sports Nutritionist	18 FSTNSC02	2020-21	Elective Course	Master	food science and nutrition	4

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	TCS
1200	Processed Food and Entrepreneur	18FSTNSC01	2020-21	Elective Course	Master	food science and nutrition	4
1201	Sports Nutritionist	18FSTNSC02	2020-21	Elective Course	Master	food science and nutrition	4

## 2.2) Non-Academic Courses in Innovation, Entrepreneurship and IPR

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name
1	Citation Metrics	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Library and Information Science
2	E LEARNING TOOLS AND METHODOLOGIES	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	DEPARTMENT OF MANAGEMENT STUDIES
3	Five Days online Training Workshop Programme on SWAYAM As A Blended Learning Tool	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	DEPARTMENT OF MANAGEMENT STUDIES



Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department Centre/ Unit Name
4	5 Days Outcome Based Online FDP Programme on Basics of MOOC Course Development And Instructional Design	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	DEPARTMENT OF MANAGEMENT STUDIES
5	Modern Trends in Biology	2021-22	Faculty Development Program (FDP)	Central Govt. Agency	Botany Department
6	RT PCR application in cancer biology	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Biochemistry
7	Biofertilizer and Biopesticide	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Biotechnology
8	Mushroom Technology	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Botany
9	Characterization Techniques	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Chemistry
10	Everyday Economics	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Economics
11	Soft Skills	2020-21	Short-term Certificate Program	Self Sponsored/Supported	English
12	Pre-Marital Education	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Education
13	Trait Approach to Literature	2020-21	Short-term Certificate Program	Self Sponsored/Supported	English

<b>Srno</b>	<b>Title of Course</b>	<b>Academic Year</b>	<b>Type of Certificate Program</b>	<b>Certificate Program/MDP/FDP/EDP Sponsored/Supported by</b>	<b>Certificate Program Offering Department Centre/ Unit Name</b>
14	Environmental Studies and Earth Sciences	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Geology
15	Archives Keeping	2020-21	Short-term Certificate Program	Self Sponsored/Supported	History
16	Basics of Writing Business Letters	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Management Studies
17	Management Tools for Business Decision Making	2020-21	Management Development Program (MDP)	Self Sponsored/Supported	Management Studies
18	Microbes in Health	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Clinical Nutrition and Dietetics
19	Certificate Course in Quality Control	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Microbiology
20	C plus plus Programming	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Physics
21	Analytical Instrumental methods	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Physics
22	Social Entrepreneurship	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Sociology
23	Design Thinking	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Textiles and Apparel Design
24	PCR technology	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Zoology

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name
25	Vermiculture	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Zoology
26	virtual internships on Nutrition and dietpreneurships	2020-21	Short-term Certificate Program	State Govt. Agency	Periyar University Business Incubation Confederation
27	Virtual internship on Nutrition and Dietpreneurship	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Periyar University Business Incubation Confederation
28	Virtual internship on Nutrition and Dietpreneurship	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Periyar University Business Incubation Confederation
29	Virtual internship on Nutrition and Dietpreneurship	2020-21	Short-term Certificate Program	State Govt. Agency	Periyar University Business Incubation Confederation
30	Virtual internship on Nutrition and Dietpreneurship	2020-21	Short-term Certificate Program	State Govt. Agency	Periyar University Business Incubation Confederation
31	Virtual internship on Nutrition and Dietpreneurship	2020-21	Short-term Certificate Program	State Govt. Agency	Periyar University Business Incubation Confederation
32	Virtual internship on Nutrition and Dietpreneurship	2020-21	Short-term Certificate Program	State Govt. Agency	Periyar University Business Incubation Confederation
33	Virtual internship on Nutrition and Dietpreneurship	2020-21	Short-term Certificate Program	State Govt. Agency	Periyar university business incubation confederation
34	Virtual internship on Nutrition and Dietpreneurship	2020-21	Short-term Certificate Program	State Govt. Agency	Periyar university business incubation confederation
35	Virtual Internship on Production Manager	2020-21	Short-term Certificate Program	State Govt. Agency	Periyar university business incubation confederation

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department Centre/ Unit Name
36	virtual internship on production manager	2020-21	Short-term Certificate Program	State Govt. Agency	Periyar university business incubation confederation
37	virtual Internship on Nutrition and Dietpreneurship	2021-22	Short-term Certificate Program	State Govt. Agency	Periyar university business incubation confederation
38	INNOVATOR	2021-22	Entrepreneurship Development Program (EDP)	State Govt. Agency	Periyar University Business Incubation Confederation
39	Bootcamp on Sustainable development goals	2021-22	Entrepreneurship Development Program (EDP)	State Govt. Agency	Periyar University Business Incubation Confederation
40	Modular Training Program on Minimal Processing of Fruits and Vegetables	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	Department of Food Science and Nutrition
41	Faculty Development Program on FSSAI Initiatives	2021-22	Faculty Development Program (FDP)	Industry/Non-Govt.	Department of Food Science and Nutrition
42	Entrepreneurship Development Program	2020-21	Entrepreneurship Development Program (EDP)	Industry/Non-Govt.	Microbiology
43	HACCP Level-3 certification	2020-21	Entrepreneurship Development Program (EDP)	State Govt. Agency	PERIYAR UNIVERSITY BUSINESS INCUBATION CONFEDERATION
44	Career Guidance Lecture Series	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	Department of Food Science and Nutrition
45	5 days In House Training Sessions E Ship Learn	2020-21	Entrepreneurship Development Program (EDP)	State Govt. Agency	PERIYAR UNIVERSITY BUSINESS INCUBATION CONFEDERATION

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name
46	Internship on Qualification Pack- Production manager	2021-22	Short-term Certificate Program	Central Govt. Agency	B voc Food science and Nutrition Department of Food Science and Nutrition
47	Internship on Qualification pack- Purchase assistant	2021-22	Short-term Certificate Program	Central Govt. Agency	B voc Food science and Nutrition Department of Food Science and Nutrition
48	Internship on Qualification pack- Quality assurance manager	2021-22	Short-term Certificate Program	Central Govt. Agency	B voc Food science and Nutrition Department of Food Science and Nutrition
49	Internship on Qualification Pack- Production manager	2021-22	Short-term Certificate Program	Central Govt. Agency	B voc Food science and Nutrition Department of Food Science and Nutrition
50	Internship on Qualification Pack - Plant baker	2021-22	Short-term Certificate Program	Central Govt. Agency	B voc Food science and nutrition Development of Food science and nutrition
51	Bioenergy	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Energy Science and Technology
52	INTERNSHIP ON QUALIFICATION PACK- QUALITY ASSURANCE MANAGER	2021-22	Short-term Certificate Program	Central Govt. Agency	B voc Department of Food science and Nutrition
53	QUALIFICATION PACK - PRODUCTION MANAGER	2021-22	Short-term Certificate Program	Central Govt. Agency	B voc program Department of Food Science and Nutrition

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name
54	INTERNSHIP ON QUALIFICATION PACK- PRODUCTION MANAGER	2020-21	Short-term Certificate Program	Central Govt. Agency	B voc department of food science and nutrition
55	Intense training on Baking Techniques	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	Department of Food Science and Nutrition
56	A paradigm shift in social science research	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Department of Management Studies Periyar University Centre for Post Graduate and Research Studies
57	Online Management Development Programme (MDP) for MBA Students	2020-21	Management Development Program (MDP)	Self Sponsored/Supported	Department of Management Studies Periyar University Centre for Post Graduate and Research Studies
58	First Aid and Fire Fighting Safety Management	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Energy Science and Technology
59	Enhancing the efficacy and efficiency in teaching and learning	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Department of English Periyar University Centre for Post Graduate and Research Studies

### Section 3: Pre-Incubation and Incubation Infrastructure & Facilities are Currently in Operation to Promote I&E Agenda (AY 2020-21 & 2021-22)

### 3.1) Existence of Pre-Incubation Facility (Tinkering Lab/Makers' Space/Design Centre/New Gen IEDC/IEDC/EDC/Innovation Cell/Startup Cell) (>= 600 Sq. Ft. Floor Area)

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email
1	Innovation Cell	Fermentation Technology Ideation Space	Dr. R. Dhandapani	9487863743	danpani@periyaruniversity.
2	Innovation Cell	Actinobacterial Research laboratory	Dr. R. Balagurunathan	9443446325	rbalaguru@yahoo.com
3	Innovation Cell	Medical Microbiology Innovation clinic	Dr. D Arvind Prasanth	944408079	prasanthviji@gmail.com
4	Innovation Cell	Applied Microbiology	Dr. N.Hemalatha	9976588144	aarthihema2004@yahoo.co
5	Innovation Cell	Image Processing	Dr.I.Laurence Aroquiaraj	9894358505	laurencecs@periyaruniversi
6	Innovation Cell	Mobile Computing	Dr. C. Chandrasekar	9994599967	sekar@periyaruniversity.ac.
7	Innovation Cell	Data Mining	Dr. H. Hannah Inbarani	9865380392	hhinba@periyaruniversity.a

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email
8	Innovation Cell	Pattern Recognition	Dr. K. Thangavel	9486237009	drktvelu@periyaruniversity.
9	Innovation Cell	Internet of things	Dr. R. Rathipriya	9894712458	rathi_priyar@periyarunivers
10	Innovation Cell	Coordination Chemistry Research Lab	Dr. P. Viswanathamurthi	9443775719	viswanathamurthi72@gmai
11	Innovation Cell	Bioinorganic chemistry Lab	Dr.R.Rajavel	9865094324	drrajavel@periyaruniversity
12	Innovation Cell	Coordination and Bioinorganic Chemistry Research Lab	Dr. K. Shanmuga Bharathi	9688529692	nksbharathi@periyaruniver:
13	Innovation Cell	Advanced Nano biomaterials lab	Dr. D. Gopi	9865538787	gopi@periyaruniversity.ac.in
14	Innovation Cell	Synthetic Organic Chemistry	Dr. A. Lalitha	9994700903	lalitha2531@yahoo.co.in
15	Innovation Cell	Advanced Materials Research	Dr.V. RAJ	9790694972	vraj@periyaruniversity.ac.in
16	Innovation Cell	Phyto Chemistry Research Lab	Dr. V. Sujatha	9444886804	sujatha888@periyarunivers
17	Tinkering Lab	Organic Chemistry Lab	Dr. A. Lalitha	9994700903	lalitha2531@yahoo.co.in
18	Tinkering Lab	Inorganic Chemistry Lab	Dr. R. Rajavel	9865094324	drrajavel@periyaruniversity
19	Tinkering Lab	Inorganic Chemistry Lab	Dr. P. Viswanathamurthi	9443775719	moorthy@periyaruniversity
20	Tinkering Lab	Physical Chemistry Lab	Dr. V. Raj	9790694972	vraj@periyaruniversity.ac.in



Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email
21	Tinkering Lab	Physical Chemistry Lab	Dr. K. Shanmuga Bharathi	9688529692	nksbharathi@periyaruniver:
22	Tinkering Lab	Medical Microbiology Laboratory	Dr. D.Arvind Prasanth	9444080796	prasanthvi@periyaruniversi
23	Innovation Cell	Bioremediation Research Laboratory	Dr.P.M.Ayyasamy	9486327103	pmayyasamy@periyarunivei
24	Innovation Cell	Microbial Genomics	Dr.A.Murugan	8903446800	amurugan@periyaruniversit
25	Tinkering Lab	Molecular biology	Dr.A.Murugan	8903446800	amurugan@periyaruniversit
26	Innovation Cell	MOLECULAR ONCOLOGY LAB	Dr. V. Manju	9940247576	drmanjubio@periyarunivers
27	Tinkering Lab	Core practical - Biological Molecules, Enzymology and Techniques.	Dr. V. Manju	9940247576	drmanjubio@periyarunivers
28	Start-Up Cell	Cell line Research Space	Dr. V. Manju	9940247576	drmanjubio@periyarunivers
29	Innovation Cell	MOLECULAR THERAPEUTICS LAB	Dr.T. Palvannan	9894280618	pal2912@periyaruniversity.
30	Tinkering Lab	M.Sc Laboratory	Dr.T. Palvannan	9894280618	pal2912@periyaruniversity.
31	Start-Up Cell	Cell culture Laboratory	Dr.T. Palvannan	9894280618	pal2912@periyaruniversity.
32	Innovation Cell	PLANT THERAPEUTICS LAB	Dr. M. Suriyavathana	9894329286	suriyaveda@periyaruniversi

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email
33	Tinkering Lab	Clinical Biochemistry, Immunology and Genetic Engineering	Dr. M. Suriyavathana	9894329286	suriyaveda@periyaruniversi
34	Tinkering Lab	Clinical Biochemistry, Immunology and Genetic Engineering	Dr. M. Krishnaveni	9894829823	mkrishveni@periyaruniversi
35	Innovation Cell	GENOMICS & PROTEROMICS LABORATORY	Dr. M. Krishnaveni	9894829823	mkrishveni@periyaruniversi
36	Tinkering Lab	Biotechnology Lab	Dr.N.Elangovan	9789097142	pubiotechhod@periyaruniv
37	Innovation Cell	Molecular pharmacology & Neuroscience	Dr.N.Elangovan	9789097142	elango@periyaruniversity.a
38	Innovation Cell	Natural Drug Research Lab	Dr.D.Natarajan	9443857440	nataraj007@periyaruniversi
39	Innovation Cell	Plant and Genetic Engineering Lab	Dr.P.Indra Arulselvi	9600988083	iarulselvi@periyaruniversity

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email
40	Innovation Cell	Molecular Entomology Research Lab	Dr.M.S.Shivakumar	9942044479	sk24@periyaruniversity.ac.i
41	Tinkering Lab	Education Technology Lab	Mr.C.Kathiresan	9865117825	kathiredu@periyaruniversit
42	Tinkering Lab	Language Lab	Dr.R.Vinodhkumar	9345654525	vinodh_edu@periyarunivers
43	Tinkering Lab	Mineralogy	Dr. R.Suresh	9940991972	sureshram@periyaruniversi
44	Innovation Cell	Petrology	Dr. A. Thirunavukkarasu	8220859978	thirugeo1978@periyarunive
45	Innovation Cell	Geochemistry	Dr. A. Thirunavukkarasu	8220859978	thirugeo1978@periyarunive
46	Tinkering Lab	Hydrogeology Lab	Dr. S. Venkateswaran	9443415209	geosvenkat@periyarunivers
47	Innovation Cell	Photo Geology Lab	DR. S. ANBAZHAGAN	9443045889	anbu02@periyaruniversity.a
48	Innovation Cell	Remote sensing & GIS Lab	Dr. S. Anbazhagan	9443045889	anbu02@periyaruniversity.a
49	Innovation Cell	Micropaleontology	Dr. R. Venkatachalapathy	9443415209	rvenkatachalapathy@periya
50	Innovation Cell	Sedimentology	Dr.M.Ramkumar	9443701063	muramkumar@periyarunive
51	Tinkering Lab	Museum	Dr. S. Venkateswaran	9443415209	geosvenkat@periyarunivers
52	Innovation Cell	Sample Preparation Laboratory	Dr. A. Thirunavukkarasu	8220859978	thirugeo1978@periyarunive
53	AICTE-IDEALab	Computer lab	Dr. R. Suresh	9940991972	sureshram@periyaruniversi
54	Innovation Cell	Microbial Ecology Laboratory	Dr. S. Venkatesan	9791009400	svenkatesan75@gmail.com

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email
55	Innovation Cell	Soil Ecology and Phytoremediation Laboratory	Dr. P. Thangavel	9688222646	thanvel@periyaruniversity.a
56	Innovation Cell	Ecotoxicology and Biomonitoring Laboratory	Dr. P. Jayanthi	9791010843	jayanthievs@periyarunivers
57	Innovation Cell	Waste Management and Remediation Laboratory	Dr. P. Senthilkumar	9042636533	pskumares@periyaruniversi
58	Innovation Cell	Molecular Oncology and Toxicology	Dr. L. Sivakumar	6369955403	petsiva@periyaruniversity.a
59	Innovation Cell	Environmental Biotechnology and Nanotechnology Laboratory	Dr. K. Murugesan	8778070531	murugesan@periyarunivers
60	Tinkering Lab	Environmental Science PG Research Laboratory	Dr. K. Murugesan	8778070531	murugesan@periyarunivers
61	Tinkering Lab	Statistical laboratory	Dr. A. Radhika	9486685040	aradhika@periyaruniversity
62	Innovation Cell	Advanced Functional Material for Energy Research Lab	Dr.R.Thangappan	9884452793	thangappan@periyaruniver:
63	Tinkering Lab	Energy Laboratory	Dr.R.Thangappan	9884452793	thangappan@periyaruniver:
64	Tinkering Lab	Analysis and simulation lab(computer lab)	Dr.P.Maadeswaran	9443896613	maadeswaranp@periyaruni
65	Innovation Cell	Smart Energy Materials Research Lab	Dr.T.Elangovan	9047770795	elangoes@periyaruniversity
66	Innovation Cell	Advanced Nanomaterials and Energy Research Lab	Dr.P.Maadeswaran	9443896613	maadeswaranp@periyaruni

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email
67	Innovation Cell	Advanced Bioenergy and Biofuels Research Lab	Dr.K.A.Ramesh Kumar	9976766000	karameshkumar77@periyar
68	Innovation Cell	Ramanujan Computer Lab	Dr. S. Karthikeyan	9600475875	karthi@periyaruniversity.ac
69	Innovation Cell	Computer Lab	Dr. S. Karthikeyan	9600475875	karthi@periyaruniversity.ac
70	Tinkering Lab	Computer Lab	Dr. P. Sethurajakumar	9842880634	sethusocio@periyaruniversi
71	Tinkering Lab	Computer Lab	Dr. S. Ravichandran	9600086260	sravichandran@periyaruniv
72	Tinkering Lab	Computer Lab	Mrs. A. Swarnalatha	9865198486	swarnalatha@periyaruniver
73	Tinkering Lab	Dietetics Lab	Dr. P. Nazni	9884817954	naznip@periyaruniversity.a
74	Tinkering Lab	Makers Space for Bakery and Confectionery	Dr.M.Deepa	9003566552	deepasfsn@periyaruniversil
75	Innovation Cell	Laboratory Services for Food Testing	Dr.J.Prakash Maran	9842513666	prakashmaran@periyaruniv

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email
76	Tinkering Lab	Makers Space for Quantity Food Production	Dr.M.Deepa	9003566552	deepasfsn@periyaruniversil
77	Innovation Cell	Advanced Instrumentation For Food Technology	Dr.T.Poongodi Vijayakumar	9442268186	poonvija@periyaruniversity
78	Innovation Cell	Advanced Instrumentation For Food Technology	Dr.T.Poongodi Vijayakumar	9442268186	poonvija@periyaruniversity
79	Tinkering Lab	Food Microbiology Testing Laboratory	Dr.K.Karthikeyan	6380198675	profkarthi@periyaruniversit
80	Start-Up Cell	Production Unit	Dr.T.Poongodi Vijayakumar, Dr.J.Prakash Maran, Dr.M.Deepa	9003566552	pubics@periyaruniversity.ac

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email
81	EDC	Entrepreneurship Development Cell	Dr.M.Deepa, Mrs.S.Jothimangalam	8973115242	jothinutritionist@gmail.com
82	Tinkering Lab	English language Lab	Dr.S.Boopathi	9488029417	bossips@periyaruniversity.a
83	Tinkering Lab	Foreign language Lab	Dr.S.Boopathi	9488029417	bossips@periyaruniversity.a
84	Tinkering Lab	Computer Lab	Dr.M.Suguna	9600793533	msugunaap@periyarunivers
85	Tinkering Lab	Computer Lab	Dr.A. Saravanadurai	9894700167	saravana68@periyarunivers
86	Tinkering Lab	DIGITAL LIBRARY LAB I & LAB II	Dr.M.Jayaprakash	9894877756	drjprakash@periyaruniversi
87	Tinkering Lab	Cyber Security Lab	Dr.S .Sathish	9865413993	sathishkgm@peiryarunivers
88	Innovation Cell	Materials Science Laboratory	Dr.J.Kalyana Sundar	9965432165	jksundar@periyaruniversity
89	Innovation Cell	Energy & Functional material Lab	Dr.R.Ramesh	9626403211	rameshphys@periyaruniver:
90	Tinkering Lab	Instrumentation Lab	Dr.R.Ramesh	9626403211	rameshphys@periyaruniver:
91	Innovation Cell	Smart materials Lab	Dr. T. Pazhanivel	8909884558	pazhanivelt@periyarunivers
92	Innovation Cell	Bio Crystallography & Computational Molecular Biology Lab	Dr. P. Kumaradhas	9994266891	pkphysics@periyaruniversit
93	Tinkering Lab	Microprocessor & Microcontroller Lab	Dr.J.Kalyana Sundar	9965432165	jksundar@periyaruniversity

<b>Sr. No.</b>	<b>Type of the Unit</b>	<b>Name of Unit</b>	<b>In-charge Name</b>	<b>Contact no</b>	<b>Email</b>
94	Tinkering Lab	Computer Lab	Dr.R.Ramesh	9626403211	rameshphys@periyaruniver
95	Innovation Cell	Biomaterials Lab	Dr.EK.Girija	9444391733	girijae@periyaruniversity.ac
96	Innovation Cell	Nano Optics Lab	Dr. P. M. Anbarasan	9443659435	anbarasanpm@periyarunive
97	Innovation Cell	Soil Biology and PGPR Lab	Dr. S. Lalitha	9842985127	lalithabot@periyaruniversit
98	Innovation Cell	Plant Breeding and Stress Physiology Lab	Dr. D. Arulbalachandran	9487267259	mutabreed@periyarunivers
99	Innovation Cell	Edible Mushroom cultivation Technology , Plant Taxonomy , Nanotechnology	Dr.S. Murugesan	9486131494	drsmbtjas@periyaruniversit



Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email
100	Innovation Cell	Fungal Enzyme technology	Dr.K.Selvam	9865678745	kselvambot@periyarunivers
101	Innovation Cell	Algal Biotechnology	Dr.A. Maruthupandian	9442915354	maruthubot@periyaruniver
102	Tinkering Lab	Incubation and Sterilization room	Dr.K.Selvam	9865678745	kselvambot@periyarunivers
103	Tinkering Lab	computer lab	Dr.K.Selvam	9865678745	kselvambot@periyarunivers
104	Tinkering Lab	Computer Lab	Dr.R.Devanan	6380231285	ramadevanan@periyarunive

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email
105	Innovation Cell	Vermitechnology Laboratory	Dr. R. Thangaraj	9444137648	thangaraj@periyaruniversit
106	Innovation Cell	Molecular Entomology Laboratory	Dr. A. Naresh Kumar	9787412379	naresh@periyaruniversity.a
107	Innovation Cell	Regenerative Medicine Laboratory	Dr. N. Kayalvizhi	9442865072	kayal@periyaruniversity.ac.i
108	Innovation Cell	Behavioural Ecology Laboratory	Dr. P. Thiruchenthil Nathan	9443699908	nathan_pt@periyaruniversil
109	Innovation Cell	Cancer Nanomedicine Laboratory	Prof. S. Kannan	9585132032	sk_protein@periyaruniversi
110	Innovation Cell	Entomology Laboratory	Dr. R. Maheswaran	9443323186	maheswaran@periyarunivei
111	Tinkering Lab	M.Sc. Laboratory	Dr. R. Thangaraj	9444137648	thangaraj@periyaruniversit

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email
112	Tinkering Lab	Makers Space for Apparel Design and Production	Dr. S. Lakshmi Manokari	9943997453	lakshmi@periyaruniversity.a
113	Tinkering Lab	Draping Laboratory	Dr. S. Lakshmi Manokari	9943997453	lakshmi@periyaruniversity.a
114	Tinkering Lab	Biotextiles Laboratory	Dr.M. Latha	9364156030	latha@periyaruniversity.ac.i
115	Tinkering Lab	Computer Aided Design Facilities for Textiles and Fashion	Dr. R. Anil Kumar	9843791431	anilkumar@periyaruniversit
116	Tinkering Lab	Laboratory Services for Textile Testing	Dr. K. Parveen Banu	9865117812	parveen@periyaruniversity.
117	Start-Up Cell	PU- Centre for E-Learning	Dr. R.Subramaniya Bharathy	9865265208	bharathyprims@periyaruniv
118	Tinkering Lab	Computer Lab	Dr.P.M.Ayyasamy	9486327103	pmayyasamy@periyarunivei
119	Tinkering Lab	Computer Laboratory	Dr.Maa.Thamizhpparithi	7299397766	tparithi@periyaruniversity.a
120	Innovation Cell	Edit Suite	Dr. R. Subramani	9444204387	rsubramani@periyaruniverr
121	Tinkering Lab	Audio Visual Studio	Dr. R. Subramani	9444204387	rsubramani@periyaruniverr
122	IEDC	PU-IEDP-HUB (EDII-TN FUNDED)	Dr.V.R.Palanivelu	9865461065	drvrrpalanivelu@periyaruniv
123	New Gen IEDC	Nutrition Counselling Centre	Dr.P.Karthika	9489857928	karthikafsn@periyarunivers

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email
124	Start-Up Cell	Kalaingar Research Centre (Funded by Government of Tamil Nadu)	Dr.R.Subramani	9444204387	erasubramani@gmail.com
125	Start-Up Cell	Centre for University Business Collaboration	Dr. V. R. Palanivelu	9865461065	drvrrpalanivelu@periyaruniv
126	Start-Up Cell	Soft Skill Training & Development Cell	Dr.M.Suryakumar	9585555994	suryakumarmprims@periya
127	EDC	Entrepreneurship Development Cell, Centre for Post Graduate and Research Studies	Dr.P.Karthikeyan	9488838789	drpkpugec@periyaruniversi
128	AICTE-IDEALab	Pitch Hall	A.Gomathi	9994530533	pubics@periyaruniversity.ac
129	Start-Up Cell	Women's Studies Centre(UGC funded)	Dr.A.Lalitha	9994700903	lalitha253@periyaruniversit

### 3.2) Existence of Incubation Facility ( $\geq$ 1500 Sq. Ft. Floor Area)

Sr. No.	Name of Unit	In-charge Name	Contact no	Email
1	Periyar University Business Incubation Confederation	Dr.T.Poongodi Vijayakumar	9442268186	poonvija@periyaruniversity.ac.in,pubincubationconfede

### 3.3) Existence of IPR Cell / Patent Facilitation Unit / Technology Transfer Centre at the institute

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email	G St
1	Technology Transfer Centre /TTO	Knowledge Transfer Centre	Dr. K. Thangavel	9486237009	drktvelu@periyaruniversity.ac.in	M St In Fa St tc ar In Bi D
2	Technology Transfer Centre /TTO	Incubation and Technology Transfer Centre (Funded by Government of Tamil Nadu)	Dr. K. Thangavel	9486237009	drktvelu@periyaruniversity.ac.in	M St In Fa St tc ar In Bi D
3	Technology Transfer Centre /TTO	Geo-consulting	Dr. S. Venkateswaran	9443415209	geosvenkat@periyaruniversity.ac.in	Se St

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email	G St
4	IPR Cell	Intellectual Property Rights	Dr. K. Krishnakumar	9444242361	krishna30971@periyaruniversity.ac.in	M St

## Section 4: Generation and Support of Prototypes / Innovations at HEI and Recognition received (AY 2020-21 & 2021-22)

**4) Total no. of Innovations (Verified and Recommended) in Different TRLs (4-9) are Recorded in the YUKTI National Innovation Repository of the IIC Institute ( Status as on 7th November 2022 )**

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name
1	Understanding the biochemical and molecular mechanisms underlying the anticancer effect of kaempferitrin against colon carcinogenesis	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	G. Mydhili
2	BABIES WEAR USING ORGANIC DYES	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Gayathri.P
3	Web dress	Independent Assignment/Non-academic Study Project	2021-22	TRL 8 : First of a kind commercial system. Manufacturing issues solved	Sanjay R

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name
4	A study on old cotton saree converted into lehanga	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Niranjana.B
5	Jute file	Academic Requirement/Study Project	2021-22	TRL 9 : Full commercial application, technology available for consumers	Dr. S.Lakshmi Manokari
6	Study on Quality Characteristic of Yam (Dioscorea alata) Gulab Jamun	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	S. Sandhiya
7	Realizing the Sustainable Development Goals through technological innovation: juxtaposing the economic and environmental effects of financial development and energy use	Academic Requirement/Study Project	2021-22	TRL 9 : Full commercial application, technology available for consumers	MANIGANDAN PALANISAMY
8	Design and Construct Kurti from Old Saree	Academic Requirement/Study Project	2021-22	TRL 9 : Full commercial application, technology available for consumers	Sasikaladevi D

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name
9	Deep learning-based depression detection utilising EEG signals	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Dipali Sinha
10	Fruit mix pizza	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	S.Yuvarshini
11	An Investigation Into Using Sewing Machine Special Attachments To Improve The Quality And Production For Apparel Products	Academic Requirement/Study Project	2021-22	TRL 5 : Large scale prototype tested in intended environment	S.ARUNBHARATH
12	Gluten free orange almond cake	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	E.Elakkiya
13	Value Added Food Products Development by Incorporating Tamarind Kernal Powder and Study Its Therapeutic Effects on Selected Subjects.	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	Mrs. C.HEMALATHA



Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name
14	Face mask	Academic Requirement/Study Project	2021-22	TRL 9 : Full commercial application, technology available for consumers	Dr. S.Lakshmi Manokari
15	Design CHEF HAT	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	A.Kumaresan
16	CONSTRUCT KITHCEN APRON USING TERMERIC DYED COTTON MATERIAL	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Haritha M
17	eggless multigrain fruits and nuts muffins	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	RENALD JOSEPH.S
18	Process Parameter Optimization of Shaper Machine by Using Fuzzy Fractional Factorial Design	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 8 : First of a kind commercial system. Manufacturing issues solved	P. Sri Devi

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name
19	Gluten free traditional landrace rice (black and red rice) cookies	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	R.DINESHKUMAR
20	Development of Dobby Woven Saree with Sisal Yarn through Weft Insertion	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	S Balaji
21	Breast cancer detection using image processing techniques	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	KARTHIK M.
22	Study on Quality Characteristics of Squash prepared from Spinach (Spinacia oleracea)	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Soumiaa Arrthi M
23	curry leaves cookies	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Manikandan.S

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name
24	Study on Quality Characteristic of Yam (Dioscorea alata) Gulab Jamun	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	S. Sandhiya
25	Black rice cashew fruit cake	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	M.S.JAGHARAKSHAGAA
26	Foxtail millet coconut cookies	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	P. Nirmala devi
27	KIDS WEAR USING ECO-FRIENDLY DYEING	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	RUBASRI. G
28	A STUDY ON ARTIFICIAL INTELLIGENCE TECHNIQUES FOR MEDICAL IMAGE PROCESSING	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	S.NIVETHA

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name
29	Convert the old Jean into the jacket	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	M.pasumathi
30	Goldie	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	LOGESHWARI. S
31	Environmental sustainability with the role of green innovation and economic growth in India with bootstrap ARDL approach	Academic Requirement/Study Project	2021-22	TRL 9 : Full commercial application, technology available for consumers	D Pachiyappan
32	scallop garment	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Harini. P
33	A study for decorative and functional buttons in kids garments	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	S.kowsalya

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name
34	Chitinase producing bacteria as biofungicide agent	Academic Requirement/Study Project	2021-22	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale	Dr S Lalitha
35	PRODUCING JUTE ACCESSORIES AND SELLING THEM ON SOCIAL MEDIA PLATFORM	Academic Requirement/Study Project	2021-22	TRL 5 : Large scale prototype tested in intended environment	Tamilselvam. C
36	Design CHEF HAT	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	A.Kumaresan
37	A study of miniskirt	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	I.Vishnu priyaa
38	Development Of Jacquard Woven Saree using Sisal Yarn for Extra Weft Motif by Replacing Zari Yarn	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	PREETHA C

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name
39	Gluten Free Traditional Landrace Rice ( Black and Red kavuni Rice) cookies	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	S. lathika
40	Curry leaves cookies 0	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	L.Vignesh
41	APPLICATION OF MANGO LEAF DYE ON COTTON FABRIC USING NATURAL MODRANTS	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	R.Gunasekaran
42	Energy Efficiency Based on MIMO Technology for 5G Cellular Network	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	JAYACHITHRA N
43	Convert the old Jean into the jacket	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	M.pasumathi

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name
44	Analysis of mung bean CO8 vareity for its drought tolerance ability using plant growth promoting rhizobacteria (PGPR)	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	P. Balachander
45	Study on formulation and sensory evaluation of palm jaggery (Borassus flabllifer L.) wheat biscuit	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	R. Jayashree
46	process of preparing simple personal protective equipments	Academic Requirement/Study Project	2020-21	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale	E. CHARUMATHI
47	Jaggery Cake with Finger millet	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	S. Ramesh Kannan
48	Formulation and sensory evaluation of carrot cup cake	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	M. Manoj Kumar

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name
49	Study On formulation and sensory evaluation of Rye biscuit	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	S. Harini
50	Formulation and sensory evaluation of carrot cup cake	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	M. Manoj Kumar
51	Title Manufacture and evaluation of curd Rava (sooji yogurt) cake	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	V. Guruprasanth
52	Development of Healthy Beetroot ( Beta Vulgaris ) Cake.	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	P. Janani
53	Study on formulation of healthy Bajra Kambu cake	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	R. E. Pynthamil Pari



Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name
54	Formulation and sensory evaluation of carrot cup cake	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	M. Manoj Kumar
55	Formulation and sensory evaluation of carrot cup cake	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	M. Manoj Kumar
56	Formulation and sensory evaluation of carrot cup cake	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	M. Manoj Kumar
57	Amla rice mix	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	M. Boomitha
58	Manufacture and evaluation of curd Rava (sooji yogurt) cake	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	V. Guruprasanth

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name
59	Development and evaluation of Apple(Malus domestic)and Grapes (vitis) cake	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	A. Bhuvana
60	Design and construct a princess cut kameez	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Deepika. S
61	Amla rice mix	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	M. Boomitha
62	Formulation and sensory evaluation of carrot cup cake	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	M. Manoj Kumar
63	Design and construct a princess cut blouse for women	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Deepika. S

<b>Sr. No.</b>	<b>Innovation Name</b>	<b>Developed as part of</b>	<b>FY of Development (FY. 2020-21,2021-22)</b>	<b>TRL Stage</b>	<b>Team Lead/Innovator Name</b>
64	Formulation and sensory evaluation of carrot cup cake	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	M. Manoj Kumar
65	Formulation and sensory evaluation of pearl millet (Pennisetum glaucum) with coconut cookies	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	A. John Raja
66	Study on formulation and sensory evaluation of palm jaggery (Borassus flabblifer L.) wheat biscuit	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	R. Jayashree
67	Process and formation of wheat (Triticum aestivum) doughnut	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Y. Gowsitha
68	Formulation and sensory evaluation of carrot cup cake	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	M. Manoj Kumar

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name
69	Formulation and sensory evaluation of carrot cup cake	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	M. Manoj Kumar
70	Sensory analysis of pie crust banana	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	N. Nathiya
71	Green gram jelabi	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	S. Karthick Raj
72	Formulation and sensory evaluation of carrot cup cake	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	M. Manoj Kumar
73	Development and Sensory Analysis of Healthy Beetroot (Beta vulgaris) cake	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	N. Sri Nivetha

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name
74	Process and formation of wheat (Triticum aestivum) doughnut	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Y. Gowsitha
75	Formulation and sensory evaluation of carrot cup cake	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	M. Manoj Kumar
76	Title Manufacture and evaluation of curd Rava (sooji yogurt) cake	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	V. Guruprasanth
77	Sensory Evaluation of Urad dal Doghnut	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	P. Kishore
78	Development of Healthy Beetroot ( Beta Vulgaris ) Cake.	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	P. Janani

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name
79	Formulation and sensory evaluation of carrot cup cake	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	M. Manoj Kumar
80	Snake gourd vada mix	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	T. Arivalagan
81	Antidiabetic effect of Astaxanthin-S-allyl cysteine diester	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	S.PENISLUSSHIYAN
82	Formulation and sensory evaluation of carrot cup cake	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	M. Manoj Kumar
83	Formulation and sensory evaluation of carrot cup cake	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	M. Manoj Kumar

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name
84	Manufacture and evaluation of curd Rava (sooji yogurt) cake	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	V. Guruprasanth
85	Formulation and sensory evaluation of carrot cup cake	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	M. Manoj Kumar
86	Study On formulation and sensory evaluation of Rye biscuit	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	S. Harini
87	Manufacturing process and sensory evaluation of rava mango ( sooji mangifera ) cake	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	P. A. Ragul
88	Formulation and sensory evaluation of carrot cup cake	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	M. Manoj Kumar

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name
89	Title Manufacture and evaluation of curd Rava (sooji yogurt) cake	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	V. Guruprasanth
90	A PRODUCT STUDY ON DESINING A COMPARTABLE HEAD REST	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	SANTHIYA.M
91	Formulation and sensory evaluation of Pearl millet(pennisetum glaucum) sweet biscuit	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	S. Menagadevi
92	Formulation and sensory evaluation of carrot cup cake	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	M. Manoj Kumar
93	Study and formulation of healthy Rava (sooji) cookies	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	M. S. Jijendran



Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name
94	Formulation and sensory evaluation of carrot cup cake	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	M. Manoj Kumar
95	Jaggery cake with finger millet	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	S. Yazhini
96	Development of Healthy Beetroot ( Beta Vulgaris ) Cake.	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	P. Janani
97	Formulation and sensory evaluation of raagi (Eleusine coracana) Banana cake	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	R. Baskaran
98	Ragi doughnut	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	E. Oviya

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name
99	Formulation and sensory evaluation of carrot cup cake	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	M. Manoj Kumar
100	Study on formulation of Nuts Ragi (Prunus dulcis Eleusine coracana ) biscuit	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	S. Sandhiya
101	Formulation and sensory evaluation of carrot cup cake	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	M. Manoj Kumar
102	Snake gourd vada mix	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	T. Arivalagan
103	Study on Developement of Healthy Coconut Biscuit	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	K.Divya

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name
104	Formulation and sensory evaluation of carrot cup cake	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	M. Manoj Kumar
105	Formulation and Sensory Evaluation of Multigrain Cupcake	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	S.Akshaya
106	Green gram jelabi	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	S. Karthick Raj
107	Process and formation of wheat (Triticum aestivum) doughnut	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Y. Gowsitha
108	Study on formulation and sensory evaluation of palm jaggery (Borassus flabllifer L.) wheat biscuit	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	R. Jayashree

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name
109	Formulation and sensory evaluation of carrot cup cake	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	M. Manoj Kumar
110	Process and formation of wheat (Triticum aestivum) doughnut	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Y. Gowsitha
111	Formulation of wheat(triticum)cup cake	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	R. Loganathan
112	Formulation of passion fruit cake from Passiflora edulis f. edulis to create a commercially viable product	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	POORNIMA JEYASEKARAN
113	Formulation and sensory evaluation of carrot cup cake	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	M. Manoj Kumar

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name
114	Formulation and sensory evaluation of carrot cup cake	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	M. Manoj Kumar
115	Design and Construct a circular frock for teenage girls	Academic Requirement/Study Project	2020-21	TRL 9 : Full commercial application, technology available for consumers	LOGESHWARI. S
116	Study on formulation and sensory evaluation of healthy Ragi Flaxseed Biscuit	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Soumiaa Arrthi M
117	Title Manufacture and evaluation of curd Rava (sooji yogurt) cake	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	V. Guruprasanth
118	Formulation and sensory evaluation of carrot cup cake	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	M. Manoj Kumar

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name
119	Formulation of squash prepared from Passiflora edulis fruits to create a commercially viable product	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	POORNIMA JEYASEKARAN
120	Green Synthesis silver nano particles from cardiospermum halicacabum plant extract for controlling agriculture pest	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	S. Vijayakumar
121	Development of Multipurpose bag	Academic Requirement/Study Project	2020-21	TRL 5 : Large scale prototype tested in intended environment	Dr. S.Lakshmi Manokari
122	Development and evaluation of Apple(Malus domestic)and Grapes (vitis) cake	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	A. Bhuvana
123	Formulation and sensory evaluation of carrot cup cake	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	M. Manoj Kumar

## Section 5: Start-ups/Ventures Established and Supported at HEI and & Recognitions Received (AY 2020-21 & 2021-22)

**5) Total no of Ventures/Startups (Verified and Recommended) are Recorded in the YUKTI National Innovation Repository of the IIC Institute (Status as on 7th November 2022 )**

Sr. No.	Startup/Venture Name	Startup/Venture Registered as	CIN No/LLP/OPC/RC No
1	Bakers on wheel	Private Limited Firm (Pvt. Ltd.)	ABB-4411  <b>View Document</b> ( <a href="https://api.mic.gov.in//uploads/institutes/innovationcontestPlace1205194.pdf">https://api.mic.gov.in//uploads/institutes/innovationcontestPlace1205194.pdf</a> )
2	ZERO MEAT	Private Limited Firm (Pvt. Ltd.)	U15100TN2021PTC147226  <b>View Document</b> ( <a href="https://api.mic.gov.in//uploads/institutes/innovationcontest">https://api.mic.gov.in//uploads/institutes/innovationcontest</a> )
3	MURUGIA INDUSTRIES LLP	Limited Liability Partnership Firm (LLP)	AAX-4877  <b>View Document</b> ( <a href="https://api.mic.gov.in//uploads/institutes/innovationcontest">https://api.mic.gov.in//uploads/institutes/innovationcontest</a> )
4	Sowkkiya Health Mix Food	SME Registered Unit (Valid GST No.)	null

## Section 6: Collaboration with Other Incubation Units, HEIs and Industry Associations to Strengthen Better Services and Support to Innovation & Startups at HEI (AY 2020-21 & 2021-22)

## 6) Collaboration with Other Incubation Units, HEIs and Industry Associations to Strengthen Better Services and Support to Innovation & Startups at HEI (AY 2020-21 & 2021-22)

Sr. No.	Collaborated Agency Name	Collaborated Agency Type	Period of Collaboration (No. of Years)	Current Status of Collaboration	Date of MOU / Agreement Signed on	View
1	Dream Careerist	Corporate/Industry Association	1 yr	Active	07-02-2022	<a href="#">View (/l</a>
2	NCC Directorate (Tamilnadu, Puducherry & Andaman Nicobar)	Govt. Agency (State)	5 yr	Active	18-11-2022	<a href="#">View (/l</a>
3	Kaki's Foods	Corporate/Industry Association	1 yr	Active	07-02-2022	<a href="#">View (/l</a>
4	Global Lab and consultancy services	Corporate/Industry Association	1	Active	09-02-2022	<a href="#">View (/l</a>
5	Chennai Cakes	Corporate/Industry Association	1	Active	01-07-2022	<a href="#">View (/l</a>
6	KR Bakes	Corporate/Industry Association	1	Active	30-06-2022	<a href="#">View (/l</a>
7	Shri's Cake Zone	Corporate/Industry Association	1	Active	04-07-2022	<a href="#">View (/l</a>
8	Sri Sai cake	Corporate/Industry Association	1	Active	01-07-2022	<a href="#">View (/l</a>
9	Andaman Bakery	Corporate/Industry Association	1	Active	04-07-2022	<a href="#">View (/l</a>
10	Sowkkiya Health Mix	Corporate/Industry Association	1	Active	22-02-2022	<a href="#">View (/l</a>
11	Sri Balaji Hospitality Service	Corporate/Industry Association	1	Active	22-02-2022	
12	Sowkkiya Health Mix	Corporate/Industry Association	1	Active	06-07-2022	<a href="#">View (/l</a>
13	Topi Vappa Briyani Chennai	Corporate/Industry Association	1	Active	04-07-2022	<a href="#">View (/l</a>



Sr. No.	Collaborated Agency Name	Collaborated Agency Type	Period of Collaboration (No. of Years)	Current Status of Collaboration	Date of MOU / Agreement Signed on	View
14	ADP processed foods	Corporate/Industry Association	1	Active	30-06-2022	<a href="#">View (/l</a>
15	Maadhampatty Food Service	Corporate/Industry Association	1	Active	01-07-2022	<a href="#">View (/l</a>
16	Ivory Gull Candy Company	Corporate/Industry Association	1	Active	30-06-2022	<a href="#">View (/l</a>
17	Cloudy Forest cafe	Corporate/Industry Association	1	Active	30-06-2022	<a href="#">View (/l</a>
18	Cloudy Forest cafe	Corporate/Industry Association	1	Active	30-06-2022	<a href="#">View (/l</a>
19	ADP processed foods	Corporate/Industry Association	1	Active	30-06-2022	<a href="#">View (/l</a>
20	Moufil (Prahладha Food and Beverage Pvt.Ltd	Corporate/Industry Association	1	Active	05-07-2022	
21	National institute of Food Technology, Entrepreneurship and Management (NIFTEM)	Educational Institute	1	Active	12-05-2022	<a href="#">View (/l</a>
22	Manakkadu Masala	Corporate/Industry Association	1	Active	16-02-2022	<a href="#">View (/l</a>
23	Dream Careerist	Corporate/Industry Association	1 yr	Active	07-02-2022	<a href="#">View (/l</a>
24	RT Foods	Corporate/Industry Association	1 yr	Active	07-02-2022	<a href="#">View (/l</a>
25	Vignesh Garments, Tiruvannamalai	Corporate/Industry Association	1 yr	Active	04-07-2022	<a href="#">View (/l</a>
26	Sathya Garments, Salem	Corporate/Industry Association	1 yr	Active	04-07-2022	<a href="#">View (/l</a>
27	Kumaran Apparels, Salem	Corporate/Industry Association	1 yr	Active	07-06-2022	<a href="#">View (/l</a>

Sr. No.	Collaborated Agency Name	Collaborated Agency Type	Period of Collaboration (No. of Years)	Current Status of Collaboration	Date of MOU / Agreement Signed on	View
28	Indian Design exports pvt ltd, Bangalore	Corporate/Industry Association	1 yr	Active	07-04-2022	<a href="#">View (/l</a>
29	PSP Apparels, Tirupur	Corporate/Industry Association	1 yr	Active	04-07-2022	<a href="#">View (/l</a>
30	Brand Club, Bangalore	Corporate/Industry Association	1 yr	Active	04-07-2022	<a href="#">View (/l</a>
31	Sri Ambal Garments, Arachalur, Erode	Corporate/Industry Association	1 yr	Active	04-02-2022	<a href="#">View (/l</a>
32	Abirami Exports, Coimbatore.	Corporate/Industry Association	1 YR	Active	03-02-2022	<a href="#">View (/l</a>
33	Prisma Garments, Tirupur	Corporate/Industry Association	3 yr	Active	18-02-2022	<a href="#">View (/l</a>
34	AKR Industries Pvt Ltd, Bangalore.	Corporate/Industry Association	1 YR	Active	04-02-2022	<a href="#">View (/l</a>
35	Precision fabrics india pvt ltd, Karur	Corporate/Industry Association	1 yr	Active	02-04-2022	<a href="#">View (/l</a>
36	ASM Exports, Tirupur	Corporate/Industry Association	1 YR	Active	07-09-2022	<a href="#">View (/l</a>
37	Mahatma Gandhi National Council of Rural Education, Department of Higher Education, Ministry of Human Resource Development, Hyderabad	Govt. Agency (Central)	5 yr	Active	09-11-2020	<a href="#">View (/l</a>
38	NVS Garments, Tirupur	Corporate/Industry Association	1 yr	Active	07-02-2022	<a href="#">View (/l</a>
39	NEST Apparels, Tirupur	Corporate/Industry Association	1 yr	Active	07-02-2022	<a href="#">View (/l</a>

Sr. No.	Collaborated Agency Name	Collaborated Agency Type	Period of Collaboration (No. of Years)	Current Status of Collaboration	Date of MOU / Agreement Signed on	View
40	Eshaa Apparels, Salem	Corporate/Industry Association	1 yr	Active	11-02-2022	<a href="#">View (/l</a>
41	Elite Knits, Dharumapuri	Corporate/Industry Association	1 yr	Active	08-02-2022	<a href="#">View (/l</a>
42	Caazora Fashion,Tirupur	Corporate/Industry Association	3 yr	Active	08-02-2022	<a href="#">View (/l</a>
43	A.S.P Fashion, Erode	Corporate/Industry Association	1 yr	Active	04-02-2022	<a href="#">View (/l</a>
44	Universita Degi Studi Di Padova, Italy	Educational Institute	3 yr	Active	01-06-2020	<a href="#">View (/l</a>
45	Neuro Foundation, Salem.	Non Govt. Agency	1	Inactive	09-06-2022	<a href="#">View (/l</a>
46	SPMM Hospital, Salem.	Non Govt. Agency	1	Inactive	08-06-2022	<a href="#">View (/l</a>
47	PSG Hospital, Coimbatore	Non Govt. Agency	1	Active	12-04-2022	<a href="#">View (/l</a>
48	Greenleaf Testing Laboratory	Corporate/Industry Association	1	Active	09-02-2022	<a href="#">View (/l</a>
49	Rishi Food Testing Lab	Corporate/Industry Association	1	Active	15-02-2022	<a href="#">View (/l</a>
50	Hatsan Agro Product Ltd	Corporate/Industry Association	1	Active	16-02-2022	<a href="#">View (/l</a>
51	Shri Nandhi Dhal Mills India (P)Ltd	Corporate/Industry Association	1	Active	16-02-2022	<a href="#">View (/l</a>
52	Sowkkiya Health Mix Food	Corporate/Industry Association	1	Active	17-02-2022	<a href="#">View (/l</a>
53	Rettaikili Rice Retail Factory	Corporate/Industry Association	1	Active	06-02-2022	
54	Proodle Hospitality Pvt, Ltd.	Corporate/Industry Association	1	Active	16-09-2022	<a href="#">View (/l</a>

Sr. No.	Collaborated Agency Name	Collaborated Agency Type	Period of Collaboration (No. of Years)	Current Status of Collaboration	Date of MOU / Agreement Signed on	View
55	Geetha Jeevan Arts & Science College, Thoothukudi	Educational Institute	3 yr	Active	26-07-2022	<a href="#">View (/l</a>
56	RT Foods	Corporate/Industry Association	1 yr	Active	07-02-2022	<a href="#">View (/l</a>
57	Aparonchi Masalas and snacks	Corporate/Industry Association	1 yr	Active	07-02-2022	<a href="#">View (/l</a>
58	Min-zharge India and Energy Private Limited	Corporate/Industry Association	1 yr	Active	07-02-2022	<a href="#">View (/l</a>
59	Kaki's Foods and Kitzen Technologies	Corporate/Industry Association	1 yr	Active	07-02-2022	<a href="#">View (/l</a>
60	Prem Insights	Corporate/Industry Association	1 yr	Active	07-02-2022	<a href="#">View (/l</a>
61	Stella Mary's College of Engineering, Kanyakumari	Knowledge/Mentoring Agency	3 YR	Active	27-07-2021	<a href="#">View (/l</a>
62	Rohini College of Engineering and Technology	Educational Institute	3 YR	Active	21-07-2021	<a href="#">View (/l</a>
63	Ramss Foods	Corporate/Industry Association	1 yr	Active	07-02-2022	<a href="#">View (/l</a>
64	Shree Jayashree Food Products, Salem	Non Govt. Agency	3 yr	Active	29-06-2020	<a href="#">View (/l</a>
65	Greenaia Private Limited	Corporate/Industry Association	1 yr	Active	28-04-2021	<a href="#">View (/l</a>
66	Elstarge	Corporate/Industry Association	1 yr	Active	07-02-2022	<a href="#">View (/l</a>

Sr. No.	Collaborated Agency Name	Collaborated Agency Type	Period of Collaboration (No. of Years)	Current Status of Collaboration	Date of MOU / Agreement Signed on	View
67	Stella Maris Institute Development Studies (SMIDS)	Educational Institute	3 yr	Active	25-07-2021	<a href="#">View (/l</a>
68	CENTRE FOR DRUG DISCOVERY AND DEVELOPMENT, SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY (A Deemed to be University)	Educational Institute	3 YR	Active	15-12-2021	<a href="#">View (/l</a>
69	Learn Easy-Online Edu Tech Services	Knowledge/Mentoring Agency	3 YR	Active	27-07-2021	<a href="#">View (/l</a>
70	Sri Shakthi Foods	Corporate/Industry Association	1 yr	Active	07-02-2022	<a href="#">View (/l</a>
71	Aqura Turn Tech, Hosur	Corporate/Industry Association	5 yr	Active	07-06-2022	<a href="#">View (/l</a>
72	Startup Grind Kanniyakumari	Knowledge/Mentoring Agency	3 YR	Active	27-07-2021	<a href="#">View (/l</a>
73	R-Shell Infor Services	Knowledge/Mentoring Agency	3 yr	Active	27-07-2021	<a href="#">View (/l</a>
74	Aparonchi Masalas and Snacks	Corporate/Industry Association	1 yr	Active	07-02-2022	<a href="#">View (/l</a>
75	NFT Monks Agency	Corporate/Industry Association	1 yr	Active	07-09-2021	<a href="#">View (/l</a>
76	Cape Comorin Trust Kanyakumari	Non Govt. Agency	3	Active	19-05-2022	<a href="#">View (/l</a>
77	Atesh Labs India ( Lighting Lanterns Media Works Private Limited)	Knowledge/Mentoring Agency	3 yr	Active	27-07-2021	<a href="#">View (/l</a>

Sr. No.	Collaborated Agency Name	Collaborated Agency Type	Period of Collaboration (No. of Years)	Current Status of Collaboration	Date of MOU / Agreement Signed on	View
78	Silver Ink Foundation	Knowledge/Mentoring Agency	3 YR	Active	27-07-2021	<a href="#">View (/l</a>
79	Lighting Lanterns Media Works Private Limited (Atesh Labs)	Corporate/Industry Association	1 yr	Active	07-02-2022	<a href="#">View (/l</a>

## Section 7: Intellectually Property (IP) Generated and Commercialization

### 7.1) IPR Filed and Published (Copyrights & Design only)

Sr. No.	Title/Name of IP (Copyright/Design Only)	Type of IP	IP Registration Number of Copyright/Design	Date of Filed/Published	Has this IP(Copyright & Designs Only) been Commercialized/Transferred to Industry/Startup/Society?
1	Portable Organic Water Purifier	Design	330658001	02-07-2020	No
2	Endocrine Nano Distributor Device for Diabetes Treatment	Design	347615-001	08-09-2021	No

### 7.2) Patents Filed by HEI

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
1	Biohydrogen from actinobacteria using sugarcane molasses	CBR No.4267	03-02-2022
2	An Innovative approach of Azadirachta Indica Gum Mediated Synthesis of nanophase Nd, Y-HAP / Tridaxprocumpens composite for potential biomedical applications,	202011056650	11-02-2022

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
3	Fabrication of multifunctional biogenic derived neodymium and holmium substituted hydroxyapatite/poly lactic acid /wrtica tinctoria fibre trinary biocomposite for biomedical applications	202011056653	11-02-2022
4	Biosynthesis of erbium, terbium substituted biogenic hydroxyapatite/natural fiber composite using Moringa oleifera as template by ultrasonic irradiation method for biomedical applications	202011056658	11-02-2022
5	Preparation of selenium, ytterbium substituted hydroxyapatite and bovine serum albumin composite incorporated with silicon dioxide functionalised halloysite nanotubes for biomedical applications	202111013024	11-02-2022
6	C-Shaped Baffle Plate Solar Air Heater for Enhancing Heat Transfer Rate	201941031249A	08-08-2022
7	Methods and composition of making pasta with foxtail millet and green gram flour blend having high antioxidant and low glycemic value	202141008102A	26-02-2021
8	Design and Development of a Bin Model for Solar Instant Water Heater	202241034147	15-06-2022
9	IOMT BASED WEARABLE PATIENT MONITORING AND CRITICAL CONDITION DETECTION SYSTEM FOR COVID PATIENTS	202041038022	03-09-2020
10	Impact of Organized Retailing on Traditional Retail Business	202241001111	08-01-2022
11	Small Traders' Perception Towards Corporate Retailing	202241001171	09-01-2022
12	PLANT MEDIATED NANOPARTICLE COATED FABRICS (NANO FABRICS) WITH ANTIMICROBIAL PROPERTY AND WOUND HEAL	202041056850	29-12-2020
13	DESIGNING AN INTELLIGENT IRRIGATION SYSTEM USING IOT AND CLOUD COMPUTING	202241033617	13-06-2022
14	Identifying Severe Respiratory Syndrome COVID 19 - Preventive Therapeutic Treatment for COVID 19	2021106769	17-12-2021
15	Scalable Space Structured Ledger Framework for Industrial Internet of things using Block Chain Technique	2021102413	09-06-2021

### 7.3) Patent Published / Granted Data

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as
1	202041038022	IOMT BASED WEARABLE PATIENT MONITORING AND CRITICAL CONDITION DETECTION SYSTEM FOR COVID PATIENTS	03-09-2020	Published	2020	Other(Individual)
2	336998	A method for manufacture of highland lunar soil simulant	15-05-2014	Granted	2020	Other(Individual)
3	202011056650 A	An Innovative approach of Azadirachta Indica Gum Mediated Synthesis of nanophase Nd, Y-HAP / Tridaxprocumpens composite for potential biomedical applications,	28-12-2020	Published	2022	Other(Individual)
4	202011056653 A	Fabrication of multifunctional biogenic derived neodymium and holmium substituted hydroxyapatite/poly lactic acid /wrtica tinctoria fibre trinary biocomposite for biomedical applications	28-12-2020	Published	2022	Other(Individual)



Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as
5	202011056658 A	Biosynthesis of erbium, terbium substituted biogenic hydroxyapatite/natural fiber composite using Moringa oleifera as template by ultrasonic irradiation method for biomedical applications	28-12-2020	Published	2022	Other(Individual)
6	202111013024 A	Preparation of selenium, ytterbium substituted hydroxyapatite and bovine serum albumin composite incorporated with silicon dioxide functionalised halloysite nanotubes for biomedical applications	25-03-2021	Published	2022	Other(Individual)
7	201941031249A	C-Shaped Baffle Plate Solar Air Heater for Enhancing Heat Transfer Rate	02-08-2019	Published	2019	Other(Individual)
8	201941052746A	Composition for preparation of Persea Americana fruit pulp incorporated edible product	19-12-2019	Published	2020	Other(Individual)
9	202141008102A	Methods and composition of making pasta with foxtail millet and green gram flour blend having high antioxidant and low glycemic value	26-02-2021	Published	2021	Other(Individual)
10	CBR No.4267	Biohydrogen from actinobacteria using sugarcane molasses	03-02-2022	Published	2022	Other(Individual)

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as
11	202241034147	DESIGN AND DEVELOPMENT OF A BIN MODEL FOR SOLAR INSTANT WATER HEATER	15-06-2022	Published	2022	Other(Individual)
12	202241001171	Small Traders' Perception Towards Corporate Retailing	09-01-2022	Published	2022	Other(Individual)
13	202041056850	PLANT MEDIATED NANOPARTICLE COATED FABRICS (NANO FABRICS) WITH ANTIMICROBIAL PROPERTY AND WOUND HEAL	29-12-2020	Published	2021	Co-Applicant
14	202241001111	Impact of Organized Retailing on Traditional Retail Business	08-01-2022	Published	2022	Applicant
15	347615001	Endocrine Nano Distributor Device for Diabetes Treatment	08-09-2021	Published	2021	Other(Individual)
16	59538	Organic portable water purifier	02-07-2020	Published	2020	Other(Individual)
17	202241033617	DESIGNING AN INTELLIGENT IRRIGATION SYSTEM USING IOT AND CLOUD COMPUTING	13-06-2022	Published	2022	Applicant
18	2021106769	Identifying Severe Respiratory Syndrome COVID 19 - Preventive Therapeutic Treatment for COVID 19	17-12-2021	Granted	2021	Co-Applicant

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as
19	2021102413	Scalable Space Structured Ledger Framework for Industrial Internet of things using Block Chain Technique	09-06-2021	Granted	2021	Co-Applicant

#### 7.4) IP Commercialized and Transferred to Industry/Startup

Sr. No.	Name of Technology Licenced/Transferred/Commercialized	Technology Type	Patent/Licence Holder name (Institute Co-ownership is Must)	Technology Transferred to	Na Lic
1	Development of Veld Grape Rice Powder and Rice Paste	Non-IP/Non-Patented Technology	Mr.R.Shanmuga Sundar and Periyar University Business Incubation Confederation Salem	Industry	Mr Sui
2	Multi Masala	Non-IP/Non-Patented Technology	Dineshraj S and Periyar University Business Incubation Confederation	Start-up	Dir
3	Formulation and development of Mushroom Pickle	Non-IP/Non-Patented Technology	Mr.R.Shanmuga Sundar and Periyar University Business Incubation Confederation Salem	Industry	Mr Sui

Sr. No.	Name of Technology Licenced/Transferred/Commercialized	Technology Type	Patent/Licence Holder name (Institute Co-ownership is Must)	Technology Transferred to	Na Lic
4	Standardization and development of Centella asiatica Rice Paste and Rice Powder	Non-IP/Non-Patented Technology	Mr.R.Shanmuga Sundar and Periyar University Business Incubation Confederation Salem	Industry	Mr Sui
5	Development of Hibiscus sabdariffa rice paste	Non-IP/Non-Patented Technology	Mr.R.Shanmuga Sundar and Periyar University Business Incubation Confederation Salem	Industry	Mr Sui
6	Solanum Trilobatum Rice Paste and Rice Powder	Non-IP/Non-Patented Technology	Mr.R.Shanmuga Sundar and Periyar University Business Incubation Confederation Salem	Industry	Mr Sui
7	Herbal Rasam Powder	Non-IP/Non-Patented Technology	MR.R.Shanmuga Sundar and Periyar University Business Incubation Confederation Salem	Industry	Mr Sui
8	Detection of natural wolbachia infection in anopheles mosquitoes species in Dhalai district of Tripura, India	Non-IP/Non-Patented Technology	S. Kamaraj	Other organisation/Agency	Ge
9	Uncultured Wolbachia sp. clone TR592, An.Karwari 16S ribosomal RNA gene, partial sequence	Non-IP/Non-Patented Technology	Dr.S.Kamaraj	Other organisation/Agency	Ge
10	Uncultured Wolbachia sp. clone TR590, An.tesellatus 16S ribosomal RNA gene, partial sequence	Non-IP/Non-Patented Technology	S. Kamaraj	Other organisation/Agency	Ge

Sr. No.	Name of Technology Licenced/Transferred/Commercialized	Technology Type	Patent/Licence Holder name (Institute Co-ownership is Must)	Technology Transferred to	Na Lic
11	Streptomyces coelicoflavus strain MTK30 16S ribosomal RNA gene, partial sequence	Non-IP/Non-Patented Technology	R. Balagurunathan	Other organisation/Agency	Ge
12	Streptomyces kunmingensis strain MR03 16S ribosomal RNA gene, partial sequence.	Non-IP/Non-Patented Technology	R. Balagurunathan	Other organisation/Agency	Ge
13	Ferrimicrobium acidiphilum strain CW22 16S ribosomal RNA gene, partial sequence	Non-IP/Non-Patented Technology	R.Balagurunathan	Other organisation/Agency	Ge
14	Ferrimicrobium acidiphilum strain CW22 16S ribosomal RNA gene, partial sequence	Non-IP/Non-Patented Technology	R.Balagurunathan	Other organisation/Agency	Ge
15	Bacillus sp. (in: Bacteria) strain I25 16S ribosomal RNA gene, partial sequence	Non-IP/Non-Patented Technology	R.Balagurunathan	Other organisation/Agency	Ge

# Declaration

To,  
The ARIIA Committee  
MHRD's Innovation Cell  
New Delhi

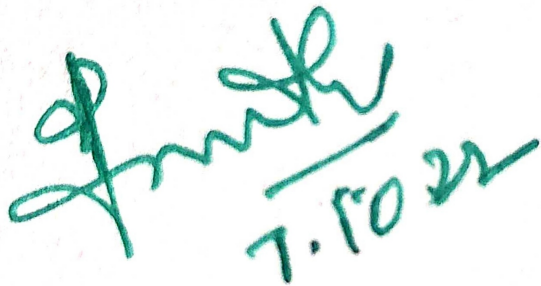
## Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself **Prof. R. Jagannathan** (Head of Institute) and **Prof. R. Balagurunathan** (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.

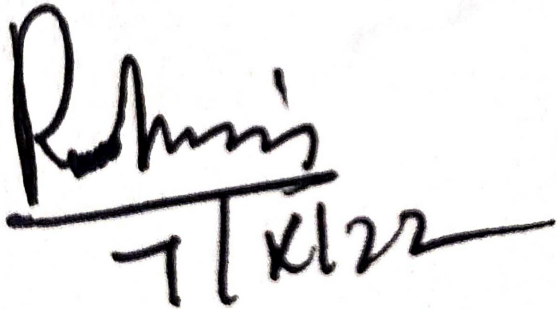
Thank you

The Head of Institute



Prof. R. Jagannathan,  
Head of the Institution,  
Periyar University,  
Salem, Tamil Nadu

Nodal officer



Prof. R. Balagurunathan,  
Nodal Officer,  
Periyar University,  
Salem, Tamil Nadu