Panjab University [ARI-U-0078][U-0078]

n⋅rf-Innovation
National Institutional Ranking Framework for Innovation
Ministry of Education, Government of India

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:

Faculty Name:	Prof. Manu Sharma
Designation:	Professor

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)	1,2,3
IIC 2.0 (2019-20)	2
IIC 3.0 (2020-21)	1
IIC 4.0 (2021-22)	3

Contact:

IIC President of the Institute:	Prof. Savita Gupta
Designation:	Professor

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. Jangvir Singh Shahi	Advance	0
2	Manu Sharma	Basic	0
3	Prof. Gaurav Verma	Basic	0
4	Dr Shefali Singla	Basic	0
5	Dr. Vandita Kakkar	Basic	0

Sr. No.	Name of the Faculty IA	Level of Training	No of I&E Expert Talks/Sessions Conducted
6	Dr Jaspreet Kaur	Basic	0

1.4) Participation in KAPILA/SIH Program

HEI Registered in the KAPILA Portal	U-0078	Yes
HEI Participated in the Smart India Hackathon (2022)	U-0078	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	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
1	Non-Chordates I Protista to Pseudocoelomates	BZO-C1	2020-21	Core Course	Bachelor	Department of Zoology	4	09-09-2020 00:00:00	25-01-2021 00:00:00	139	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
2	Principles of Ecology	BZO-C2	2020-21	Core Course	Bachelor	Department of Zoology	4	09-09-2020 00:00:00	25-01-2021 00:00:00	139	60
3	Animal Diversity	BZO-C-GE1	2020-21	Elective Course	Bachelor	Department of Zoology	4	09-09-2020 00:00:00	25-01-2021 00:00:00	139	60
4	Non-Chordates II Coelomates	BZO-C3	2020-21	Core Course	Bachelor	Department of Zoology	4	22-02-2021 00:00:00	09-06-2021 00:00:00	108	60
5	Cell Biology	BZO-C4	2020-21	Core Course	Bachelor	Department of Zoology	4	22-02-2021 00:00:00	09-06-2021 00:00:00	108	60
6	Human Physiology	BZO-C-GE2	2020-21	Elective Course	Bachelor	Department of Zoology	4	22-02-2021 00:00:00	09-06-2021 00:00:00	108	60
7	Diversity of Chordates	BZO-C5	2020-21	Core Course	Bachelor	Department of Zoology	4	01-09-2020 00:00:00	25-01-2021 00:00:00	147	60
8	Physiology Controlling and Coordinating Systems	BZO-C6	2020-21	Core Course	Bachelor	Department of Zoology	4	01-09-2020 00:00:00	25-01-2021 00:00:00	147	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
9	Fundamentals of Biochemistry	BZO-C7	2020-21	Core Course	Bachelor	Department of Zoology	4	01-09-2020 00:00:00	25-01-2021 00:00:00	147	60
10	Apiculture	BZO-SEC1	2020-21	Core Course	Bachelor	Department of Zoology	4	01-09-2020 00:00:00	25-01-2021 00:00:00	147	30
11	Insect Vector and Diseases	BZO-C-GE3	2020-21	Elective Course	Bachelor	Department of Zoology	4	01-09-2020 00:00:00	25-01-2021 00:00:00	147	60
12	Comparative Anatomy of Vertebrates	BZO-C8	2020-21	Core Course	Bachelor	Department of Zoology	4	22-02-2021 00:00:00	04-06-2021 00:00:00	103	60
13	Physiology Life Sustaining Systems	BZO-C9	2020-21	Elective Course	Bachelor	Department of Zoology	4	22-02-2021 00:00:00	04-06-2021 00:00:00	103	60
14	Biochemistry of Metabolic Processes	BZO-C10	2020-21	Core Course	Bachelor	Department of Zoology	4	22-02-2021 00:00:00	04-06-2021 00:00:00	103	60
15	Aquarium Fish Keeping	BZO-SEC2	2020-21	Core Course	Bachelor	Department of Zoology	2	22-02-2021 00:00:00	04-06-2021 00:00:00	103	30

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
16	Aquatic Biology	BZO-C-GE4	2020-21	Elective Course	Bachelor	Department of Zoology	4	22-02-2021 00:00:00	04-06-2021 00:00:00	103	60
17	Molecular Biology	BZO-C11	2020-21	Core Course	Bachelor	Department of Zoology	4	01-09-2020 00:00:00	25-01-2021 00:00:00	147	60
18	Principles of Genetics	BZO-C12	2020-21	Core Course	Bachelor	Department of Zoology	4	01-09-2020 00:00:00	25-01-2021 00:00:00	147	60
19	Endocrinology	BZO-DSE1	2020-21	Core Course	Bachelor	Department of Zoology	4	01-09-2020 00:00:00	25-01-2021 00:00:00	147	60
20	Wild Life Conservation and Management	BZO-DSE3	2020-21	Core Course	Bachelor	Department of Zoology	4	01-09-2020 00:00:00	25-01-2021 00:00:00	147	60
21	Developmental Biology	BZO-C13	2020-21	Core Course	Bachelor	Department of Zoology	4	22-02-2021 00:00:00	04-06-2021 00:00:00	103	60
22	Evolutionary Biology	BZO-C14	2020-21	Core Course	Bachelor	Department of Zoology	4	22-02-2021 00:00:00	04-06-2021 00:00:00	103	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
23	Fish and Fisheries	BZO-DSE5	2020-21	Core Course	Bachelor	Department of Zoology	4	22-02-2021 00:00:00	04-06-2021 00:00:00	103	60
24	Immunology	BZO-DSE7	2020-21	Core Course	Bachelor	Department of Zoology	4	22-02-2021 00:00:00	04-06-2021 00:00:00	103	60
25	Advanced Cell Biology	MZO-MC1	2020-21	Core Course	Master	Department of Zoology	4	18-11-2020 00:00:00	27-02-2021 00:00:00	102	60
26	Aquaculture and Fisheries	MZO-MC2	2020-21	Core Course	Master	Department of Zoology	4	18-11-2020 00:00:00	27-02-2021 00:00:00	102	60
27	Insect Ecology and Physiology	MZO-MC3	2020-21	Core Course	Master	Department of Zoology	4	18-11-2020 00:00:00	27-02-2021 00:00:00	102	60
28	Biology of Parasites	MZO-MC4	2020-21	Core Course	Master	Department of Zoology	4	18-11-2020 00:00:00	27-02-2021 00:00:00	102	60
29	Biology of Vertebrate Immune System	MZO-MC5	2020-21	Core Course	Master	Department of Zoology	4	18-03-2021 00:00:00	16-08-2021 00:00:00	152	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
30	Methods and applications of Molecular Biology	MZO-MC6	2020-21	Core Course	Master	MZO-MC6	4	18-03-2021 00:00:00	16-08-2021 00:00:00	152	60
31	Environmental and Quantitative Biology	MZO-MC7	2020-21	Core Course	Master	Department of Zoology	4	18-03-2021 00:00:00	16-08-2021 00:00:00	152	60
32	Methodology and Instrumentation	MZO-MC8	2020-21	Core Course	Master	Department of Zoology	4	18-03-2021 00:00:00	16-08-2021 00:00:00	152	60
33	Animal Physiology	MZO-MC9	2020-21	Core Course	Master	Department of Zoology	4	01-09-2020 00:00:00	25-01-2021 00:00:00	147	60
34	Developmental Biology	MZO-MC10	2020-21	Core Course	Master	Department of Zoology	4	01-09-2020 00:00:00	25-01-2021 00:00:00	147	60
35	Animal Biochemistry	MZO-MC11	2020-21	Core Course	Master	Department of Zoology	4	01-09-2020 00:00:00	25-01-2021 00:00:00	147	60
36	Project Report-Minor	PRJ-M1	2020-21	Core Course	Master	Department of Zoology	4	01-09-2020 00:00:00	25-01-2021 00:00:00	147	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
37	Concepts of Parasitology	MZO-ME1	2020-21	Core Course	Master	Department of Zoology	4	22-02-2021 00:00:00	04-06-2021 00:00:00	103	60
38	Economic Entomology	MZO-ME2	2020-21	Core Course	Master	Department of Zoology	4	22-02-2021 00:00:00	04-06-2021 00:00:00	103	60
39	Molecular Cytogenetics	MZO-ME3	2020-21	Core Course	Master	Department of Zoology	4	22-02-2021 00:00:00	04-06-2021 00:00:00	103	60
40	Molecular Endocrinology and Reproductive Physiology	MZO-ME4	2020-21	Core Course	Master	Department of Zoology	4	22-02-2021 00:00:00	04-06-2021 00:00:00	103	60
41	Fish Fisheries and Aquatic Biology	MZO-ME5	2020-21	Core Course	Master	Department of Zoology	4	22-02-2021 00:00:00	04-06-2021 00:00:00	103	60
42	Metabolic Disorders	MZO-ME9	2020-21	Core Course	Master	Department of Zoology	4	22-02-2021 00:00:00	04-06-2021 00:00:00	103	60
43	Project Report-Major	PRJ-M2	2020-21	Core Course	Master	Department of Zoology	4	22-02-2021 00:00:00	04-06-2021 00:00:00	103	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
44	Non-Chordates I Protista to Pseudocoelomates	BZO-C1	2021-22	Core Course	Bachelor	Department of Zoology	4	08-11-2021 00:00:00	28-02-2022 00:00:00	113	60
45	Principles of Ecology	BZO-C2	2021-22	Core Course	Bachelor	Department of Zoology	4	08-11-2021 00:00:00	28-02-2022 00:00:00	113	60
46	Animal Diversity	BZO-C-GE1	2021-22	Elective Course	Bachelor	Department of Zoology	4	08-11-2021 00:00:00	28-02-2022 00:00:00	113	60
47	Non-Chordates II Coelomates	BZO-C3	2021-22	Core Course	Bachelor	Department of Zoology	4	14-03-2022 00:00:00	30-06-2022 00:00:00	109	60
48	Cell Biology	BZO-C4	2021-22	Core Course	Bachelor	Department of Zoology	4	14-03-2022 00:00:00	30-06-2022 00:00:00	109	60
49	Human Physiology	BZO-C-GE2	2021-22	Elective Course	Bachelor	Department of Zoology	4	14-03-2022 00:00:00	30-06-2022 00:00:00	109	60
50	Diversity of Chordates	BZO-C5	2021-22	Core Course	Bachelor	Department of Zoology	4	11-08-2021 00:00:00	30-11-2021 00:00:00	112	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
51	Physiology Controlling and Coordinating Systems	BZO-C6	2021-22	Core Course	Bachelor	Department of Zoology	4	11-08-2021 00:00:00	30-11-2021 00:00:00	112	60
52	Fundamentals of Biochemistry	BZO-C7	2021-22	Core Course	Bachelor	Department of Zoology	4	11-08-2021 00:00:00	30-11-2021 00:00:00	112	60
53	Apiculture	BZO-SEC1	2021-22	Core Course	Bachelor	Department of Zoology	2	11-08-2021 00:00:00	30-11-2021 00:00:00	112	30
54	Insect Vector and Diseases	BZO-C-GE3	2021-22	Elective Course	Bachelor	Department of Zoology	4	11-08-2021 00:00:00	30-11-2021 00:00:00	112	60
55	Comparative Anatomy of Vertebrates	BZO-C8	2021-22	Core Course	Bachelor	Department of Zoology	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
56	Physiology Life Sustaining Systems	BZO-C9	2021-22	Core Course	Bachelor	Department of Zoology	4	11-08-2022 00:00:00	30-11-2022 00:00:00	112	60
57	Biochemistry of Metabolic Processes	BZO-C10	2021-22	Core Course	Bachelor	Department of Zoology	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
58	Aquarium Fish Keeping	BZO-SEC2	2021-22	Core Course	Bachelor	Department of Zoology	2	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
59	Aquatic Biology	BZO-C-GE4	2021-22	Elective Course	Bachelor	Department of Zoology	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
60	Molecular Biology	BZO-C11	2021-22	Core Course	Bachelor	Department of Zoology	4	11-08-2021 00:00:00	30-11-2021 00:00:00	112	60
61	Principles of Genetics	BZO-C12	2021-22	Core Course	Bachelor	Department of Zoology	4	11-08-2021 00:00:00	30-11-2021 00:00:00	112	60
62	Endocrinology	BZO-DSE1	2021-22	Core Course	Bachelor	Department of Zoology	4	11-08-2021 00:00:00	30-11-2021 00:00:00	112	60
63	Wild Life Conservation and Management	BZO-DSE3	2021-22	Core Course	Bachelor	Department of Zoology	4	11-08-2021 00:00:00	30-11-2021 00:00:00	112	60
64	Developmental Biology	BZO-C13	2021-22	Core Course	Bachelor	Department of Zoology	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
65	Evolutionary Biology	BZO-C14	2021-22	Core Course	Bachelor	Department of Zoology	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
66	Fish and Fisheries	BZO-DSE5	2021-22	Core Course	Bachelor	Department of Zoology	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
67	Immunology	BZO-DSE7	2021-22	Core Course	Bachelor	Department of Zoology	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
68	Advanced Cell Biology	MZO-MC1	2021-22	Core Course	Master	Department of Zoology	4	23-09-2021 00:00:00	27-12-2021 00:00:00	96	60
69	Aquaculture and Fisheries	MZO-MC2	2021-22	Core Course	Master	Department of Zoology	4	23-09-2021 00:00:00	27-12-2021 00:00:00	96	60
70	Insect Ecology and Physiology	MZO-MC3	2021-22	Core Course	Master	Department of Zoology	4	23-09-2021 00:00:00	27-12-2021 00:00:00	96	60
71	Biology of Parasites	MZO-MC4	2021-22	Core Course	Master	Department of Zoology	4	23-09-2021 00:00:00	27-12-2021 00:00:00	96	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
72	Biology of Vertebrate Immune System	MZO-MC5	2021-22	Core Course	Master	Department of Zoology	4	01-07-2021 00:00:00	05-10-2021 00:00:00	97	60
73	Methods and applications of Molecular Biology	MZO-MC6	2021-22	Core Course	Master	Department of Zoology	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
74	Environmental and Quantitative Biology	MZO-MC7	2021-22	Core Course	Master	Department of Zoology	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
75	Methodology and Instrumentation	MZO-MC8	2021-22	Core Course	Master	Department of Zoology	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
76	Animal Physiology	MZO-MC9	2021-22	Core Course	Master	Department of Zoology	4	11-08-2021 00:00:00	30-11-2021 00:00:00	112	60
77	Developmental Biology	MZO-MC10	2021-22	Core Course	Master	Department of Zoology	4	11-08-2021 00:00:00	30-11-2021 00:00:00	112	60
78	Animal Biochemistry	MZO-MC11	2021-22	Core Course	Master	Department of Zoology	4	11-08-2021 00:00:00	30-11-2021 00:00:00	112	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
79	Project Report-Minor	PRJ-M1	2021-22	Core Course	Master	Department of Zoology	4	11-08-2021 00:00:00	30-11-2021 00:00:00	112	60
80	Concepts of Parasitology	MZO-ME1	2021-22	Core Course	Master	Department of Zoology	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
81	Economic Entomology	MZO-ME2	2021-22	Core Course	Master	Department of Zoology	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
82	Molecular Cytogenetics	MZO-ME3	2021-22	Core Course	Master	Department of Zoology	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
83	Molecular Endocrinology and Reproductive Physiology	MZO-ME4	2021-22	Core Course	Master	Department of Zoology	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
84	Fish Fisheries and Aquatic Biology	MZO-ME5	2021-22	Core Course	Master	Department of Zoology	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
85	Metabolic Disorders	MZO-ME9	2021-22	Core Course	Master	Department of Zoology	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
86	Project Report Major	PRJ-M2	2021-22	Core Course	Master	Department of Zoology	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
87	IPR Biosafety Bioinformatics and Biostatics	MMIC-C9	2021-22	Core Course	Master	Department of Microbiology	4	01-01-2021 00:00:00	30-06-2021 00:00:00	181	60
88	Environmental Science	AECC1	2020-21	Core Course	Bachelor	Department of Geology PU	4	06-07-2020 00:00:00	31-12-2020 00:00:00	179	30
89	Hydrogeology	GEO-C10	2020-21	Core Course	Bachelor	Department of Geology PU	4	01-07-2020 00:00:00	27-12-2020 00:00:00	180	30
90	Remote Sensing and GIS	GEO-C14	2020-21	Core Course	Bachelor	Department of Geology PU	4	01-07-2020 00:00:00	27-12-2020 00:00:00	180	30
91	Earths Climate and Environment	DSE2	2020-21	Elective Course	Bachelor	Department of Geology PU	4	01-07-2020 00:00:00	27-12-2020 00:00:00	180	30
92	Fuel Geology	DSE4	2020-21	Elective Course	Bachelor	Department of Geology PU	4	01-07-2020 00:00:00	27-12-2020 00:00:00	180	30

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
93	Mineral Resources and Mineral Economics	GEO-CM7	2020-21	Core Course	Bachelor	Department of Geology PU	4	01-07-2020 00:00:00	27-12-2020 00:00:00	180	30
94	Petroleum Geology	GEO-CM8	2020-21	Core Course	Bachelor	Department of Geology PU	4	01-07-2020 00:00:00	27-12-2020 00:00:00	180	30
95	Exploration Geology	GEO-CM9	2020-21	Core Course	Bachelor	Department of Geology PU	4	01-07-2020 00:00:00	27-12-2020 00:00:00	180	30
96	Environmental Geology	GEO-CM10	2020-21	Core Course	Bachelor	Department of Geology PU	4	01-07-2020 00:00:00	27-12-2020 00:00:00	180	30
97	Advanced Groundwater Hydrogeology	GEO-CM11	2020-21	Core Course	Bachelor	Department of Geology PU	4	01-07-2020 00:00:00	27-12-2020 00:00:00	180	30
98	Earths Climate and Environment	DSE2	2021-22	Elective Course	Bachelor	Department of Geology PU	4	01-07-2021 00:00:00	27-12-2021 00:00:00	180	30
99	Fuel Geology	DSE4	2021-22	Elective Course	Bachelor	Department of Geology	4	01-07-2021 00:00:00	27-12-2021 00:00:00	180	30

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
100	Engineering Geology	GEO-C13	2021-22	Core Course	Bachelor	Department of Geology	4	01-07-2021 00:00:00	27-12-2021 00:00:00	180	30
101	Remote Sensing and GIS	GEO-C14	2021-22	Core Course	Bachelor	Department of Geology	4	01-07-2021 00:00:00	27-12-2021 00:00:00	180	30
102	Hydrogeology	GEO-C10	2021-22	Core Course	Bachelor	Department of Geology	4	01-07-2021 00:00:00	27-12-2021 00:00:00	180	30
103	Environmental Science	AECC1	2021-22	Core Course	Bachelor	Department of Geology	4	01-07-2021 00:00:00	27-12-2021 00:00:00	180	30
104	Economic Geology	GEO-C11	2021-22	Core Course	Bachelor	Department of Geology	4	01-07-2021 00:00:00	27-12-2021 00:00:00	180	30
105	Mineral Resources and Mineral Economics	GEO-CM7	2021-22	Core Course	Master	Department of Geology	4	01-07-2021 00:00:00	27-12-2021 00:00:00	180	30
106	Environmental Geology	GEO-CM10	2021-22	Core Course	Master	Department of Geology	4	01-07-2021 00:00:00	27-12-2021 00:00:00	180	30

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
107	Petroleum Geology	GEO-CM8	2021-22	Core Course	Master	Department of Geology	4	01-07-2021 00:00:00	27-12-2021 00:00:00	180	30
108	Exploration Geology	GEO-CM9	2021-22	Core Course	Master	Department of Geology	4	01-07-2021 00:00:00	27-12-2021 00:00:00	180	30
109	Fundamental of Natural Disaster	VACM1	2021-22	Elective Course	Master	Department of Geology	4	01-07-2021 00:00:00	27-12-2021 00:00:00	180	30
110	Programme Planning for Pre-School Education	PPPE	2021-22	Elective Course	Diploma	Department of Life Long Learning and Extension	4	01-07-2021 00:00:00	01-05-2022 00:00:00	305	500
111	Project Work on Pre-school Education	PWPE	2021-22	Elective Course	Diploma	DLLL	4	01-07-2021 00:00:00	30-06-2022 00:00:00	365	500
112	Aspects of Child Devlopment	ACDEV	2021-22	Elective Course	Diploma	DLLL	4	01-07-2021 00:00:00	01-05-2022 00:00:00	305	500
113	Working with parents and communtiy	WPAC	2021-22	Elective Course	Diploma	DLLL	4	01-07-2021 00:00:00	01-05-2022 00:00:00	305	500

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
114	Intellectual Property Rights (IPR) Bioethics and Entrepreneurship	MBT-205	2020-21	Core Course	Master	Microbial Biotechnology	4	05-04-2021 00:00:00	30-07-2021 00:00:00	117	85
115	Intellectual Property Rights (IPR) Bioethics and Entrepreneurship	MBT-205	2021-22	Core Course	Master	Microbial Biotechnology	4	04-03-2022 00:00:00	14-06-2022 00:00:00	103	88
116	Programme Planning for Pre-School Education	PPPE	2021-22	Elective Course	Diploma	Department of Life Long Learning	4	01-07-2021 00:00:00	01-05-2022 00:00:00	305	500
117	Project Work on Pre-school Education	PWPE	2021-22	Elective Course	Diploma	Department of Life Long Learning	4	01-07-2021 00:00:00	01-05-2022 00:00:00	305	500
118	Aspects of Child Devlopment	ACDEV	2021-22	Elective Course	Diploma	Department of Life Long Learning	4	01-07-2021 00:00:00	01-05-2022 00:00:00	305	500
119	Working with parents and communtiy	WPAC	2021-22	Elective Course	Diploma	Department of Life Long Learning	4	01-07-2021 00:00:00	01-05-2022 00:00:00	305	500

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
120	Phycology and Microbiology	(BOT-C1)	2020-21	Core Course	Bachelor	Department of Botany PU Chandigarh	4	09-09-2020 00:00:00	19-02-2021 00:00:00	164	60
121	Phycology and Microbiology	(BOT-C1)	2020-21	Core Course	Bachelor	Department of Botany PU Chandigarh	2	09-09-2020 00:00:00	19-02-2021 00:00:00	164	60
122	Biomolecules and Cell Biology	(BOT-C2)	2020-21	Core Course	Bachelor	Department of Botany PU Chandigarh	4	09-09-2020 00:00:00	19-02-2021 00:00:00	164	60
123	Biomolecules and Cell Biology	(BOT-C2)	2020-21	Core Course	Bachelor	Department of Botany PU Chandigarh	4	09-09-2020 00:00:00	19-02-2021 00:00:00	164	60
124	English	BOT-AECCA	2020-21	Core Course	Bachelor	Department of Botany PU Chandigarh	4	09-09-2020 00:00:00	19-02-2021 00:00:00	164	30
125	Biodiversity (Microbes Algae Fungi and Archegoniates)	BOT-C-GE1A	2020-21	Elective Course	Bachelor	Department of Botany PU Chandigarh	4	09-09-2020 00:00:00	19-02-2021 00:00:00	164	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
126	Biodiversity (Microbes Algae Fungi and Archegoniates)	BOT-C-GE1A	2020-21	Elective Course	Bachelor	Department of Botany PU Chandigarh	4	09-09-2020 00:00:00	19-02-2021 00:00:00	164	60
127	Biodiversity (Microbes Algae Fungi and Archegoniates)	BOT-C-GE1B	2020-21	Elective Course	Bachelor	Department of Botany PU Chandigarh	4	09-09-2020 00:00:00	19-02-2021 00:00:00	164	60
128	Biodiversity (Microbes Algae Fungi and Archegoniates)	BOT-C-GE1B	2020-21	Elective Course	Bachelor	Department of Botany PU Chandigarh	4	09-09-2020 00:00:00	19-02-2021 00:00:00	164	60
129	Mycology and Phytopathology	BOT-C3	2020-21	Core Course	Bachelor	Department of Botany PU Chandigarh	4	08-03-2021 00:00:00	05-07-2021 00:00:00	120	60
130	Mycology and Phytopathology	BOT-C3	2020-21	Core Course	Bachelor	Department of Botany PU Chandigarh	4	08-03-2021 00:00:00	05-07-2021 00:00:00	120	60
131	Archegoniates	BOT-C4	2020-21	Core Course	Bachelor	Department of Botany PU Chandigarh	4	08-03-2021 00:00:00	05-07-2021 00:00:00	120	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
132	Archegoniates	BOT-C4	2020-21	Core Course	Bachelor	Department of Botany PU Chandigarh	4	08-03-2021 00:00:00	05-07-2021 00:00:00	120	60
133	Environment Science	BOT-AECC2	2020-21	Core Course	Bachelor	Department of Botany PU Chandigarh	2	08-03-2021 00:00:00	05-07-2021 00:00:00	120	60
134	Plant Anatomy and Embryology	BOT-C-GE2A	2020-21	Elective Course	Bachelor	Department of Botany PU Chandigarh	4	08-03-2021 00:00:00	05-07-2021 00:00:00	120	60
135	Plant Anatomy and Embryology	BOT-C-GE2A	2020-21	Elective Course	Bachelor	Department of Botany PU Chandigarh	2	08-03-2021 00:00:00	05-07-2021 00:00:00	120	60
136	Plant Anatomy and Embryology	BOT-C-GE2B	2020-21	Elective Course	Bachelor	Department of Botany PU Chandigarh	4	08-03-2021 00:00:00	05-07-2021 00:00:00	120	60
137	Plant Anatomy and Embryology	BOT-C-GE2B	2020-21	Elective Course	Bachelor	Department of Botany PU Chandigarh	2	08-03-2021 00:00:00	05-07-2021 00:00:00	120	60
138	Morphology and Anatomy	BOT-C5	2020-21	Core Course	Bachelor	Department of Botany PU Chandigarh	4	03-08-2020 00:00:00	20-02-2021 00:00:00	202	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
139	Morphology and Anatomy	BOT-C5	2020-21	Core Course	Bachelor	Department of Botany PU Chandigarh	2	03-08-2020 00:00:00	20-02-2021 00:00:00	202	60
140	Economic Botany	BOT-C6	2020-21	Core Course	Bachelor	Department of Botany PU Chandigarh	4	03-08-2020 00:00:00	20-02-2021 00:00:00	202	60
141	Economic Botany	BOT-C6	2020-21	Core Course	Bachelor	Department of Botany PU Chandigarh	4	03-08-2020 00:00:00	20-02-2021 00:00:00	202	60
142	Basics of Genetics	BOT-C7	2020-21	Core Course	Bachelor	Department of Botany PU Chandigarh	4	03-08-2020 00:00:00	20-02-2021 00:00:00	202	60
143	Basics of Genetics	BOT-C7	2020-21	Core Course	Bachelor	Department of Botany PU Chandigarh	4	03-08-2020 00:00:00	20-02-2021 00:00:00	202	60
144	Economic Botany and Plant Biotechnology	BOT-C-GE3	2020-21	Elective Course	Bachelor	Department of Botany PU Chandigarh	4	03-08-2020 00:00:00	20-02-2021 00:00:00	202	60
145	Economic Botany and Plant Biotechnology	BOT-C-GE3	2020-21	Elective Course	Bachelor	Department of Botany PU Chandigarh	2	03-08-2020 00:00:00	20-02-2021 00:00:00	202	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
146	Biofertilizers	SEC-1	2020-21	Core Course	Bachelor	Department of Botany PU Chandigarh	2	03-08-2020 00:00:00	20-02-2021 00:00:00	202	30
147	Mushroom Culture Technology	SEC-8	2020-21	Core Course	Bachelor	Department of Botany PU Chandigarh	2	03-08-2020 00:00:00	20-02-2021 00:00:00	202	30
148	Floriculture	SEC-4	2020-21	Elective Course	Bachelor	Department of Botany PU Chandigarh	2	03-08-2020 00:00:00	20-02-2021 00:00:00	202	30
149	Molecular Biology	BOT-C8	2020-21	Core Course	Bachelor	Department of Botany PU Chandigarh	4	08-03-2021 00:00:00	06-07-2021 00:00:00	121	60
150	Molecular Biology	BOT-C8	2020-21	Core Course	Bachelor	Department of Botany PU Chandigarh	2	08-03-2021 00:00:00	06-07-2021 00:00:00	121	60
151	Plant Ecology and Phytogeography	BOT-C9	2020-21	Core Course	Bachelor	Department of Botany PU Chandigarh	4	08-03-2021 00:00:00	06-07-2021 00:00:00	121	60
152	Plant Ecology and Phytogeography	BOT-C9	2020-21	Core Course	Bachelor	Department of Botany PU Chandigarh	2	08-03-2021 00:00:00	06-07-2021 00:00:00	121	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
153	Plant Systematics	BOT-C10	2020-21	Core Course	Bachelor	Department of Botany PU Chandigarh	4	08-03-2021 00:00:00	06-07-2021 00:00:00	121	60
154	Plant Systematics	BOT-C10	2020-21	Core Course	Bachelor	Department of Botany PU Chandigarh	2	08-03-2021 00:00:00	06-07-2021 00:00:00	121	60
155	Medicinal Botany	SEC-5	2020-21	Elective Course	Bachelor	Department of Botany PU Chandigarh	2	08-03-2021 00:00:00	06-07-2021 00:00:00	121	30
156	Plant Ecology and Taxonomy	BOT-C-GE4	2020-21	Elective Course	Bachelor	Department of Botany PU Chandigarh	4	08-03-2021 00:00:00	06-07-2021 00:00:00	121	60
157	Plant Ecology and Taxonomy	BOT-C-GE4	2020-21	Elective Course	Bachelor	Department of Botany PU Chandigarh	2	08-03-2021 00:00:00	06-07-2021 00:00:00	121	60
158	Reproductive Biology of Angiosperms	BOT-C11	2020-21	Core Course	Bachelor	Department of Botany PU Chandigarh	4	03-08-2020 00:00:00	22-02-2021 00:00:00	204	60
159	Reproductive Biology of Angiosperms	BOT-C11	2020-21	Core Course	Bachelor	Department of Botany PU Chandigarh	2	03-08-2020 00:00:00	22-02-2021 00:00:00	204	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
160	Plant Biotechnology	BOT-C12	2020-21	Core Course	Bachelor	Department of Botany PU Chandigarh	4	03-08-2020 00:00:00	22-02-2021 00:00:00	204	60
161	Plant Biotechnology	BOT-C12	2020-21	Core Course	Bachelor	Department of Botany PU Chandigarh	2	03-08-2020 00:00:00	22-02-2021 00:00:00	204	60
162	Plant Breeding	DSE1	2020-21	Elective Course	Bachelor	Department of Botany PU Chandigarh	4	03-08-2020 00:00:00	22-02-2021 00:00:00	204	60
163	Plant Breeding	DSE1	2020-21	Elective Course	Bachelor	Department of Botany PU Chandigarh	2	03-08-2020 00:00:00	22-02-2021 00:00:00	204	60
164	Research Methodology	DSE-2	2020-21	Elective Course	Bachelor	Department of Botany PU Chandigarh	4	03-08-2020 00:00:00	22-02-2021 00:00:00	204	60
165	Research Methodology	DSE-2	2020-21	Elective Course	Bachelor	Department of Botany PU Chandigarh	2	03-08-2020 00:00:00	22-02-2021 00:00:00	204	60
166	Plant Metabolism	BOT-C13	2020-21	Core Course	Bachelor	Department of Botany PU Chandigarh	4	08-03-2021 00:00:00	05-07-2021 00:00:00	120	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
167	Plant Metabolism	BOT-C13	2020-21	Core Course	Bachelor	Department of Botany PU Chandigarh	2	08-03-2021 00:00:00	05-07-2021 00:00:00	120	60
168	Plant Physiology	BOT-C14	2020-21	Core Course	Bachelor	Department of Botany PU Chandigarh	4	08-03-2021 00:00:00	05-07-2021 00:00:00	120	60
169	Plant Physiology	BOT-C14	2020-21	Core Course	Bachelor	Department of Botany PU Chandigarh	2	08-03-2021 00:00:00	05-07-2021 00:00:00	120	60
170	Bioinformatics	DSE-3	2020-21	Elective Course	Bachelor	Department of Botany PU Chandigarh	4	08-03-2021 00:00:00	05-07-2021 00:00:00	120	60
171	Bioinformatics	DSE-3	2020-21	Elective Course	Bachelor	Department of Botany PU Chandigarh	2	08-03-2021 00:00:00	05-07-2021 00:00:00	120	60
172	Natural Resource Management	DSE-4	2020-21	Elective Course	Bachelor	Department of Botany PU Chandigarh	4	08-03-2021 00:00:00	05-07-2021 00:00:00	120	60
173	Natural Resource Management	DSE-4	2020-21	Elective Course	Bachelor	Department of Botany PU Chandigarh	2	08-03-2021 00:00:00	05-07-2021 00:00:00	120	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
174	PLANT PHYSIOLOGY	BOT-1001	2020-21	Core Course	Master	Department of Botany PU Chandigarh	4	18-11-2020 00:00:00	15-03-2021 00:00:00	118	60
175	PRINCIPLES OF ECOLOGY	BOT-1002	2020-21	Core Course	Master	Department of Botany PU Chandigarh	4	18-11-2020 00:00:00	15-03-2021 00:00:00	118	60
176	BRYOLOGY	BOT-1003	2020-21	Core Course	Master	Department of Botany PU Chandigarh	4	18-11-2020 00:00:00	15-03-2021 00:00:00	118	60
177	PTERIDOLOGY	BOT-1004	2020-21	Core Course	Master	Department of Botany PU Chandigarh	4	18-11-2020 00:00:00	15-03-2021 00:00:00	118	60
178	PLANT RESOURCE UTILIZATION AND CONSERVATION	BOT-1005	2020-21	Core Course	Master	Department of Botany PU Chandigarh	4	18-11-2020 00:00:00	15-03-2021 00:00:00	118	60
179	PHYCOLOGY	BOT-2001	2020-21	Core Course	Master	Department of Botany PU Chandigarh	4	22-03-2021 00:00:00	23-07-2021 00:00:00	124	60
180	PLANT BIOTECHNOLOGY	BOT-2002	2020-21	Core Course	Master	Department of Botany PU Chandigarh	4	22-03-2021 00:00:00	23-07-2021 00:00:00	124	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
181	Mycology and Plant Pathology	BOT-2003	2020-21	Core Course	Master	Department of Botany PU Chandigarh	4	22-03-2021 00:00:00	23-07-2021 00:00:00	124	60
182	GENOMICS	BOT-2004	2020-21	Core Course	Master	Department of Botany PU Chandigarh	4	22-03-2021 00:00:00	23-07-2021 00:00:00	124	60
183	CYTOGENETICS AND PLANT BREEDING	BOT-2005	2020-21	Core Course	Master	Department of Botany PU Chandigarh	4	22-03-2021 00:00:00	23-07-2021 00:00:00	124	60
184	Plant Biochemistry	BOT-3001	2020-21	Core Course	Master	Department of Botany PU Chandigarh	4	03-08-2020 00:00:00	17-02-2021 00:00:00	199	60
185	CELL and MOLECULAR BIOLOGY	BOT-3002	2020-21	Core Course	Master	Department of Botany PU Chandigarh	4	03-08-2020 00:00:00	17-02-2021 00:00:00	199	60
186	ANGIOSPERMS PHYLOGENY EMBRYOLOGY AND TAXONOMY	BOT-3003	2020-21	Core Course	Master	Department of Botany PU Chandigarh	4	03-08-2020 00:00:00	17-02-2021 00:00:00	199	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
187	INVITRO TECHNOLOGIES AND INDUSTRIAL APPLICATIONS	BOT-3004	2020-21	Core Course	Master	Department of Botany PU Chandigarh	4	03-08-2020 00:00:00	17-02-2021 00:00:00	199	60
188	URBAN ENVIRONMENT	BOT-3005	2020-21	Elective Course	Master	Department of Botany PU Chandigarh	3	03-08-2020 00:00:00	17-02-2021 00:00:00	199	60
189	AGROECOLOGY and SUSTAINABLE AGRICULTURE	BOT-3006	2020-21	Elective Course	Master	Department of Botany PU Chandigarh	3	03-08-2020 00:00:00	17-02-2021 00:00:00	199	60
190	PLANT MORPHOGENESIS	BOT-3007	2020-21	Elective Course	Master	Department of Botany PU Chandigarh	3	03-08-2020 00:00:00	17-02-2021 00:00:00	199	60
191	GYMNOSPERMS	BOT-4001	2020-21	Core Course	Master	Department of Botany PU Chandigarh	4	08-03-2021 00:00:00	12-07-2021 00:00:00	127	60
192	ENVIRONMENT BOTANY	BOT-4002	2020-21	Core Course	Master	Department of Botany PU Chandigarh	4	08-03-2021 00:00:00	12-07-2021 00:00:00	127	60
193	ADVANCES IN ECOLOGY	BOT-4003	2020-21	Core Course	Master	Department of Botany PU Chandigarh	4	08-03-2021 00:00:00	12-07-2021 00:00:00	127	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
194	ADVANCES IN PLANT BIOCHEMISTRY	BOT-4004	2020-21	Elective Course	Master	Department of Botany PU Chandigarh	3	08-03-2021 00:00:00	12-07-2021 00:00:00	127	60
195	ADVANCES IN MOLECULAR BIOLOGY	BOT-4005	2020-21	Elective Course	Master	Department of Botany PU Chandigarh	4	08-03-2021 00:00:00	12-07-2021 00:00:00	127	60
196	MICROBIAL TECHNOLOGY	BOT-4006	2020-21	Elective Course	Master	Department of Botany PU Chandigarh	4	08-03-2021 00:00:00	12-07-2021 00:00:00	127	60
197	RECOMBINANT PROTEOMICS	BOT-4007	2020-21	Elective Course	Master	Department of Botany PU Chandigarh	4	08-03-2021 00:00:00	12-07-2021 00:00:00	127	60
198	ADVANCED TOPICS IN PLANT PHYSIOLOGY	BOT-4008	2020-21	Elective Course	Master	Department of Botany PU Chandigarh	4	08-03-2021 00:00:00	12-07-2021 00:00:00	127	60
199	Phycology and Microbiology	BOT-C1	2021-22	Core Course	Bachelor	Department of Botany PU Chandigarh	4	08-11-2021 00:00:00	24-03-2022 00:00:00	137	60
200	Phycology and Microbiology	BOT-C1	2021-22	Core Course	Bachelor	Department of Botany PU Chandigarh	2	08-11-2021 00:00:00	24-03-2022 00:00:00	137	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
201	Biomolecules and Cell Biology	BOT-C2	2021-22	Core Course	Bachelor	Department of Botany PU Chandigarh	4	08-11-2021 00:00:00	24-03-2022 00:00:00	137	60
202	Biomolecules and Cell Biology	BOT-C2	2021-22	Core Course	Bachelor	Department of Botany PU Chandigarh	2	08-11-2021 00:00:00	24-03-2022 00:00:00	137	60
203	English	BOT-AECCA	2021-22	Core Course	Bachelor	Department of Botany PU Chandigarh	2	08-11-2021 00:00:00	24-03-2022 00:00:00	137	30
204	Biodiversity (Microbes Algae Fungi and Archegoniates)	BOT-C-GE1A	2021-22	Elective Course	Bachelor	Department of Botany PU Chandigarh	4	08-11-2021 00:00:00	24-03-2022 00:00:00	137	60
205	Biodiversity (Microbes Algae Fungi and Archegoniates)	BOT-C-GE1A	2021-22	Elective Course	Bachelor	Department of Botany PU Chandigarh	2	08-11-2021 00:00:00	24-03-2022 00:00:00	137	60
206	Biodiversity (Microbes Algae Fungi and Archegoniates)	BOT-C-GE1B	2021-22	Elective Course	Bachelor	Department of Botany PU Chandigarh	4	08-11-2021 00:00:00	24-03-2022 00:00:00	137	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
207	Biodiversity (Microbes Algae Fungi and Archegoniates)	BOT-C-GE1B	2021-22	Elective Course	Bachelor	Department of Botany PU Chandigarh	2	08-11-2021 00:00:00	24-03-2022 00:00:00	137	60
208	Morphology and Anatomy	BOT-C5	2021-22	Core Course	Bachelor	Department of Botany PU Chandigarh	4	16-08-2021 00:00:00	04-02-2022 00:00:00	173	60
209	Morphology and Anatomy	BOT-C5	2021-22	Core Course	Bachelor	Department of Botany PU Chandigarh	2	16-08-2021 00:00:00	04-02-2022 00:00:00	173	60
210	Economic Botany	BOT-C6	2021-22	Core Course	Bachelor	Department of Botany PU Chandigarh	4	16-08-2021 00:00:00	04-02-2022 00:00:00	173	60
211	Economic Botany	BOT-C6	2021-22	Core Course	Bachelor	Department of Botany PU Chandigarh	2	16-08-2021 00:00:00	04-02-2022 00:00:00	173	60
212	Basics of Genetics	BOT-C7	2021-22	Core Course	Bachelor	Department of Botany PU Chandigarh	2	16-08-2021 00:00:00	04-02-2022 00:00:00	173	60
213	Economic Botany and Plant Biotechnology	BOT-C-GE3	2021-22	Elective Course	Bachelor	Department of Botany PU Chandigarh	4	16-08-2021 00:00:00	04-02-2022 00:00:00	173	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
214	Economic Botany and Plant Biotechnology	BOT-C-GE3	2021-22	Elective Course	Bachelor	Department of Botany PU Chandigarh	2	16-08-2021 00:00:00	04-02-2022 00:00:00	173	60
215	Biofertilizers	SEC-1	2021-22	Elective Course	Bachelor	Department of Botany PU Chandigarh	2	16-08-2021 00:00:00	04-02-2022 00:00:00	173	30
216	Molecular Biology	BOT-C8	2021-22	Core Course	Bachelor	Department of Botany PU Chandigarh	4	22-02-2022 00:00:00	01-05-2022 00:00:00	69	60
217	Mushroom Culture Technology	SEC-8	2021-22	Core Course	Bachelor	Department of Botany PU Chandigarh	2	16-08-2021 00:00:00	04-02-2022 00:00:00	173	30
218	Floriculture	SEC-4	2021-22	Core Course	Bachelor	Department of Botany PU Chandigarh	2	16-08-2021 00:00:00	04-02-2022 00:00:00	173	30
219	Mycology and Phytopathology	BOT-C3	2021-22	Core Course	Bachelor	Department of Botany PU Chandigarh	4	02-03-2022 00:00:00	01-05-2022 00:00:00	61	60
220	Mycology and Phytopathology	BOT-C3	2021-22	Core Course	Bachelor	Department of Botany PU Chandigarh	4	02-03-2022 00:00:00	01-05-2022 00:00:00	61	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
221	Archegoniates	BOT-C4	2021-22	Core Course	Bachelor	Department of Botany PU Chandigarh	4	02-03-2022 00:00:00	01-05-2022 00:00:00	61	60
222	Archegoniates	BOT-C4	2021-22	Core Course	Bachelor	Department of Botany PU Chandigarh	2	02-03-2022 00:00:00	01-05-2022 00:00:00	61	60
223	Environment Science	BOT-AECC2	2021-22	Core Course	Bachelor	Department of Botany PU Chandigarh	2	02-03-2022 00:00:00	01-05-2022 00:00:00	61	30
224	Plant Anatomy and Embryology	BOT-C-GE2A	2021-22	Elective Course	Bachelor	Department of Botany PU Chandigarh	4	02-03-2022 00:00:00	01-05-2022 00:00:00	61	60
225	Plant Anatomy and Embryology	BOT-C-GE2A	2021-22	Elective Course	Bachelor	Department of Botany PU Chandigarh	2	02-03-2022 00:00:00	01-05-2022 00:00:00	61	60
226	Plant Anatomy and Embryology	BOT-C-GE2B	2021-22	Elective Course	Bachelor	Department of Botany PU Chandigarh	4	02-03-2022 00:00:00	01-05-2022 00:00:00	61	60
227	Plant Anatomy and Embryology	BOT-C-GE2B	2021-22	Elective Course	Bachelor	Department of Botany PU Chandigarh	2	02-03-2022 00:00:00	01-05-2022 00:00:00	61	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
228	Molecular Biology	BOT-C8	2021-22	Core Course	Bachelor	Department of Botany PU Chandigarh	2	22-02-2022 00:00:00	01-05-2022 00:00:00	69	60
229	Plant Ecology and Phytogeography	BOT-C9	2021-22	Core Course	Bachelor	Department of Botany PU Chandigarh	4	22-02-2022 00:00:00	13-07-2022 00:00:00	142	60
230	Plant Ecology and Phytogeography	BOT-C9	2021-22	Core Course	Bachelor	Department of Botany PU Chandigarh	2	22-02-2022 00:00:00	01-05-2022 00:00:00	69	60
231	Plant Systematics	BOT-C10	2021-22	Core Course	Bachelor	Department of Botany PU Chandigarh	4	22-02-2022 00:00:00	01-05-2022 00:00:00	69	60
232	Plant Systematics	BOT-C10	2021-22	Core Course	Bachelor	Department of Botany PU Chandigarh	2	22-02-2022 00:00:00	01-05-2022 00:00:00	69	60
233	Medicinal Botany	SEC-5	2021-22	Core Course	Bachelor	Department of Botany PU Chandigarh	2	22-02-2022 00:00:00	01-05-2022 00:00:00	69	30
234	Plant Ecology and Taxonomy	BOT-C-GE4	2021-22	Elective Course	Bachelor	Department of Botany PU Chandigarh	4	22-02-2022 00:00:00	01-05-2022 00:00:00	69	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
235	Plant Ecology and Taxonomy	BOT-C-GE4	2021-22	Elective Course	Bachelor	Department of Botany PU Chandigarh	2	22-02-2022 00:00:00	01-05-2022 00:00:00	69	60
236	Reproductive Biology of Angiosperms	BOT-C11	2021-22	Core Course	Bachelor	Department of Botany PU Chandigarh	4	16-08-2021 00:00:00	01-02-2022 00:00:00	170	60
237	Reproductive Biology of Angiosperms	BOT-C11	2021-22	Core Course	Bachelor	Department of Botany PU Chandigarh	2	16-08-2021 00:00:00	01-02-2022 00:00:00	170	60
238	Plant Biotechnology	BOT-C12	2021-22	Core Course	Bachelor	Department of Botany PU Chandigarh	4	16-08-2021 00:00:00	01-02-2022 00:00:00	170	60
239	Plant Biotechnology	BOT-C12	2021-22	Core Course	Bachelor	Department of Botany PU Chandigarh	2	16-08-2021 00:00:00	01-02-2022 00:00:00	170	60
240	Plant Breeding	DSE1	2021-22	Elective Course	Bachelor	Department of Botany PU Chandigarh	4	16-08-2021 00:00:00	01-02-2022 00:00:00	170	60
241	Plant Breeding	DSE1	2021-22	Elective Course	Bachelor	Department of Botany PU Chandigarh	2	16-08-2021 00:00:00	01-02-2022 00:00:00	170	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
242	Research Methodology	DSE-2	2021-22	Elective Course	Bachelor	Department of Botany PU Chandigarh	4	16-08-2021 00:00:00	01-02-2022 00:00:00	170	60
243	Research Methodology	DSE-2	2021-22	Elective Course	Bachelor	Department of Botany PU Chandigarh	2	16-08-2021 00:00:00	01-02-2022 00:00:00	170	60
244	Plant Metabolism	BOT-C13	2021-22	Core Course	Bachelor	Department of Botany PU Chandigarh	4	22-02-2022 00:00:00	01-05-2022 00:00:00	69	60
245	Plant Metabolism	BOT-C13	2021-22	Elective Course	Bachelor	Department of Botany PU Chandigarh	2	22-02-2022 00:00:00	01-05-2022 00:00:00	69	60
246	Plant Physiology	BOT-C14	2021-22	Core Course	Bachelor	Department of Botany PU Chandigarh	4	22-02-2022 00:00:00	01-05-2022 00:00:00	69	60
247	Plant Physiology	BOT-C14	2021-22	Core Course	Bachelor	Department of Botany PU Chandigarh	2	22-02-2022 00:00:00	01-05-2022 00:00:00	69	60
248	Bioinformatics	DSE-3	2021-22	Elective Course	Bachelor	Department of Botany PU Chandigarh	4	22-02-2022 00:00:00	01-05-2022 00:00:00	69	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
249	Bioinformatics	DSE-3	2021-22	Elective Course	Bachelor	Department of Botany PU Chandigarh	2	22-02-2022 00:00:00	01-05-2022 00:00:00	69	60
250	Natural Resource Management	DSE-4	2021-22	Elective Course	Bachelor	Department of Botany PU Chandigarh	4	22-02-2022 00:00:00	01-05-2022 00:00:00	69	60
251	Natural Resource Management	DSE-4	2021-22	Elective Course	Bachelor	Department of Botany PU Chandigarh	2	22-02-2022 00:00:00	01-05-2022 00:00:00	69	60
252	PLANT PHYSIOLOGY	BOT-Core-1001	2021-22	Core Course	Master	Department of Botany PU Chandigarh	4	23-09-2021 00:00:00	03-02-2022 00:00:00	134	60
253	PRINCIPLES OF ECOLOGY	BOT-Core-1002	2021-22	Core Course	Master	Department of Botany PU Chandigarh	4	23-09-2021 00:00:00	03-03-2022 00:00:00	162	60
254	BRYOLOGY	BOT-Core-1003	2021-22	Core Course	Master	Department of Botany PU Chandigarh	4	23-09-2021 00:00:00	03-02-2022 00:00:00	134	60
255	PTERIDOLOGY	BOT-Core-1004	2021-22	Core Course	Master	Department of Botany PU Chandigarh	4	23-09-2021 00:00:00	03-02-2022 00:00:00	134	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
256	PLANT RESOURCE UTILIZATION AND CONSERVATION	BOT-Core-1005	2021-22	Core Course	Master	Department of Botany PU Chandigarh	4	22-09-2021 00:00:00	03-02-2022 00:00:00	135	60
257	PHYCOLOGY	BOT-Core-2001	2021-22	Core Course	Master	Department of Botany PU Chandigarh	4	22-02-2022 00:00:00	01-05-2022 00:00:00	69	60
258	PLANT BIOTECHNOLOGY	BOT-Core-2002	2021-22	Core Course	Master	Department of Botany PU Chandigarh	4	22-02-2022 00:00:00	01-05-2022 00:00:00	69	60
259	Mycology and Plant Pathology	BOT-Core-2003	2021-22	Core Course	Master	Department of Botany PU Chandigarh	4	22-02-2022 00:00:00	01-05-2022 00:00:00	69	60
260	GENOMICS	BOT-Core-2004	2021-22	Core Course	Master	Department of Botany PU Chandigarh	4	22-02-2022 00:00:00	01-05-2022 00:00:00	69	60
261	CYTOGENETICS AND PLANT BREEDING	BOT-Core-2005	2021-22	Core Course	Master	Department of Botany PU Chandigarh	4	22-02-2022 00:00:00	01-05-2022 00:00:00	69	60
262	Plant Biochemistry	BOT-Core-3001	2021-22	Core Course	Master	Department of Botany PU Chandigarh	3	22-02-2022 00:00:00	01-05-2022 00:00:00	69	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
263	CELL and MOLECULAR BIOLOGY	BOT-Core-3002	2021-22	Core Course	Master	Department of Botany PU Chandigarh	4	22-02-2022 00:00:00	01-05-2022 00:00:00	69	60
264	ANGIOSPERMS PHYLOGENY EMBRYOLOGY AND TAXONOMY	BOT-Core-3003	2021-22	Core Course	Master	Department of Botany PU Chandigarh	4	22-02-2022 00:00:00	01-05-2022 00:00:00	69	60
265	INVITRO TECHNOLOGIES AND INDUSTRIAL APPLICATIONS	BOT-Elective-3004	2021-22	Elective Course	Master	Department of Botany PU Chandigarh	4	22-02-2022 00:00:00	01-05-2022 00:00:00	69	60
266	URBAN ENVIRONMENT	BOT-Elective-3005	2021-22	Elective Course	Master	Department of Botany PU Chandigarh	3	22-02-2022 00:00:00	01-05-2022 00:00:00	69	60
267	AGROECOLOGY and SUSTAINABLE AGRICULTURE	BOT-Elective-3006	2021-22	Elective Course	Master	Department of Botany PU Chandigarh	3	22-02-2022 00:00:00	01-05-2022 00:00:00	69	60
268	PLANT MORPHOGENESIS	BOT-Elective-3007	2021-22	Elective Course	Master	Department of Botany PU Chandigarh	3	22-02-2022 00:00:00	15-07-2022 00:00:00	144	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
269	GYMNOSPERMS	BOT-Core-4001	2021-22	Core Course	Master	Department of Botany PU Chandigarh	4	22-02-2022 00:00:00	01-05-2022 00:00:00	69	60
270	ENVIRONMENT BOTANY	BOT-Core-4002	2021-22	Core Course	Master	Department of Botany PU Chandigarh	4	22-02-2022 00:00:00	01-05-2022 00:00:00	69	60
271	ADVANCES IN ECOLOGY	BOT-Core-4003	2021-22	Core Course	Master	Department of Botany PU Chandigarh	4	22-02-2022 00:00:00	01-05-2022 00:00:00	69	60
272	ADVANCES IN PLANT BIOCHEMISTRY	BOT-Elective-4004	2021-22	Elective Course	Master	Department of Botany PU Chandigarh	3	22-02-2022 00:00:00	01-05-2022 00:00:00	69	60
273	ADVANCES IN MOLECULAR BIOLOGY	BOT-Elective-4005	2021-22	Elective Course	Master	Department of Botany PU Chandigarh	3	22-02-2022 00:00:00	01-05-2022 00:00:00	69	60
274	MICROBIAL TECHNOLOGY	BOT-Elective-4006	2021-22	Elective Course	Master	Department of Botany PU Chandigarh	3	22-02-2022 00:00:00	01-05-2022 00:00:00	69	60
275	RECOMBINANT PROTEOMICS	BOT-Elective-4007	2021-22	Elective Course	Master	Department of Botany PU Chandigarh	3	22-02-2022 00:00:00	01-05-2022 00:00:00	69	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
276	ADVANCED TOPICS IN PLANT PHYSIOLOGY	BOT-Elective-4008	2021-22	Elective Course	Master	Department of Botany PU Chandigarh	3	22-02-2022 00:00:00	01-05-2022 00:00:00	69	60
277	Introduction to Biological Anthropology	ANTH C-I	2020-21	Core Course	Bachelor	Anthropology	6	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163
278	Introduction to Socio- Cultural Anthropology	ANTH C-2	2020-21	Core Course	Bachelor	Anthropology	6	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163
279	English	ANTH-AECC1	2020-21	Elective Course	Bachelor	Anthropology	2	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163
280	Introduction to Anthropology	ANTH- GE1	2020-21	Elective Course	Bachelor	Anthropology	6	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163
281	Archaeological Anthropology	ANTH-C3	2020-21	Core Course	Bachelor	Anthropology	6	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163
282	Fundamentals of Human Origin and Evolution	ANTH-C4	2020-21	Core Course	Bachelor	Anthropology	6	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
283	Environmental Science	ANTH-AECC2	2020-21	Elective Course	Bachelor	Anthropology	2	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163
284	Biological Anthropology	ANTH- GE2	2020-21	Elective Course	Bachelor	Anthropology	6	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163
285	Tribes and Peasants in India	ANTH-C5	2020-21	Core Course	Bachelor	Anthropology	6	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163
286	Human Ecology Biological and Cultural Dimensions	ANTH-C6	2020-21	Core Course	Bachelor	Anthropology	6	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163
287	Biological Diversity in Human Populations	ANTH-C7	2020-21	Core Course	Bachelor	Anthropology	6	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163
288	Skill Enhancement Courses	SEC-I	2020-21	Core Course	Bachelor	Anthropology	2	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163
289	Fundamental of Palaeoanthropology	ANTH- -GE-3	2020-21	Elective Course	Bachelor	Anthropology	6	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
290	Theories of Culture and Society	ANTH-C8	2020-21	Core Course	Bachelor	Anthropology	6	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163
291	Human Growth and Development	ANTH-C 9	2020-21	Core Course	Bachelor	Anthropology	6	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163
292	Research Methods	ANTH-C10	2020-21	Core Course	Bachelor	Anthropology	6	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163
293	Skill Enhancement Courses	SEC-II	2020-21	Core Course	Bachelor	Anthropology	2	01-10-2020 00:00:00	23-08-2021 00:00:00	327	40
294	Human Growth and Human Genetics	ANTH-GE-4	2020-21	Elective Course	Bachelor	Anthropology	6	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163
295	Human Population Genetics	ANTH-C11	2020-21	Core Course	Bachelor	Anthropology	6	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163
296	Anthropology in Practice	ANTH-C12	2020-21	Core Course	Bachelor	Anthropology	6	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
297	Human Genetics	ANTH- DSE-1	2020-21	Elective Course	Bachelor	Anthropology	6	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163
298	Demographic Anthropology	ANTH-DSE-2	2020-21	Elective Course	Bachelor	Anthropology	6	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163
299	Paleoanthropology	ANTH- DSE-3	2020-21	Elective Course	Bachelor	Anthropology	6	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163
300	Tribal Culture of India	ANTH-DSE-4	2020-21	Elective Course	Bachelor	Anthropology	6	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163
301	Forensic Anthropology	ANTH-C13	2020-21	Core Course	Bachelor	Anthropology	6	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163
302	Anthropology of India	ANTH-C14	2020-21	Core Course	Bachelor	Anthropology	6	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163
303	Physiological Anthropology	ANTH-DSE-5	2020-21	Elective Course	Bachelor	Anthropology	6	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
304	Visual Anthropology	ANTH-DSE-6	2020-21	Elective Course	Bachelor	Anthropology	6	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163
305	Anthropology of Health	ANTH- DSE-7	2020-21	Elective Course	Bachelor	Anthropology	6	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163
306	Dissertation	DSE-8	2020-21	Elective Course	Bachelor	Anthropology	6	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163
307	Archaeological Anthropology and Palaeoanthropology	ANTH-C101	2020-21	Core Course	Master	Anthropology	5	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163
308	Biological Anthropology	ANTH-C102	2020-21	Core Course	Master	Anthropology	5	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163
309	Social-Cultural Anthropology	ANTH-C103	2020-21	Core Course	Master	Anthropology	5	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163
310	Medical Anthropology	DSE-2	2020-21	Elective Course	Master	Anthropology	2	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
311	Human Growth Development and Nutrition	DSE-15	2020-21	Elective Course	Master	Anthropology	2	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163
312	Field Methodology	SEC- 1	2020-21	Core Course	Master	Anthropology	3	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163
313	Anthropological Methods and Techniques	ANTH-C201	2020-21	Core Course	Master	Anthropology	5	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163
314	Museum Studies	ANTH-C202	2020-21	Core Course	Master	Anthropology	5	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163
315	Human Genetics	ANTH-C203	2020-21	Core Course	Bachelor	Anthropology	5	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163
316	Urban Anthropology	DSE -12	2020-21	Elective Course	Master	Anthropology	2	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
317	Prehistoric Archaeology and Palaeoanthropology- Concepts and Palaeolithic cultures	DSE- 7	2020-21	Elective Course	Master	Anthropology	2	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163
318	Introduction to Biological Anthropology	ANTH C-I	2021-22	Core Course	Bachelor	Anthropology	6	01-08-2021 00:00:00	01-05-2022 00:00:00	274	160
319	Introduction to Socio- Cultural Anthropology	ANTH C-2	2021-22	Core Course	Bachelor	Anthropology	6	01-08-2021 00:00:00	01-05-2022 00:00:00	274	160
320	English	ANTH-AECC1	2021-22	Core Course	Bachelor	Anthropology	6	01-08-2021 00:00:00	01-05-2022 00:00:00	274	160
321	Introduction to Anthropology	ANTH- GE1	2021-22	Elective Course	Bachelor	Anthropology	2	01-08-2021 00:00:00	01-05-2022 00:00:00	274	160
322	Anthropology of SIA	SEC- 2	2020-21	Core Course	Master	Anthropology	3	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
323	Anthropological Theories	ANTH-C301	2020-21	Core Course	,Master	Anthropology	5	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163
324	Archaeological Anthropology	ANTH-C3	2021-22	Core Course	Bachelor	Anthropology	6	01-08-2021 00:00:00	01-05-2022 00:00:00	274	160
325	Fundamentals of Human Origin and Evolution	ANTH-C4	2021-22	Core Course	Bachelor	Anthropology	6	01-08-2021 00:00:00	01-05-2022 00:00:00	274	160
326	Human Ecology and Adaptation	ANTH-C302	2020-21	Core Course	,Master	Anthropology	5	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163
327	Anthropology of India	ANTH-C303	2020-21	Core Course	,Master	Anthropology	5	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163
328	Human Biological Variation	DSE -5	2020-21	Elective Course	,Master	Anthropology	2	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163
329	Symbolic Anthropology	DSE- 11	2020-21	Elective Course	,Master	Anthropology	2	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
330	Environmental Science	ANTH-AECC2	2021-22	Elective Course	Bachelor	Anthropology	2	01-08-2021 00:00:00	01-05-2022 00:00:00	274	160
331	Biological Anthropology	ANTH- GE2	2021-22	Elective Course	Bachelor	Anthropology	6	01-08-2021 00:00:00	01-05-2022 00:00:00	274	163
332	Documentation of intangible cultural heritage	SEC- 3	2020-21	Core Course	,Master	Anthropology	3	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163
333	Demography and Biostatistics	ANTH-C401	2020-21	Core Course	,Master	Anthropology	5	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163
334	Demography and Biostatistics	ANTH-C401	2020-21	Core Course	,Master	Anthropology	5	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163
335	Tribes and Peasants in India	ANTH-C5	2021-22	Core Course	Bachelor	Anthropology	6	01-08-2021 00:00:00	01-05-2022 00:00:00	274	163
336	Applied Anthropology	ANTH-C402	2020-21	Core Course	Master	Anthropology	5	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
337	Human Ecology Biological and Cultural Dimensions	ANTH-C6	2021-22	Core Course	Bachelor	Anthropology	6	01-08-2021 00:00:00	01-05-2022 00:00:00	274	163
338	Biological Diversity in Human Populations	ANTH-C7	2021-22	Core Course	Bachelor	Anthropology	6	01-08-2021 00:00:00	01-05-2022 00:00:00	274	163
339	Skill Enhancement Courses	SEC-I	2021-22	Core Course	Bachelor	Anthropology	2	01-08-2021 00:00:00	01-05-2022 00:00:00	274	163
340	Dissertation and viva-voce	ANTH-C403	2020-21	Core Course	Master	Anthropology	5	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163
341	Fundamental of Palaeoanthropology	ANTH- -GE-3	2021-22	Elective Course	Bachelor	Anthropology	6	01-08-2021 00:00:00	01-05-2022 00:00:00	274	163
342	Theories of Culture and Society	ANTH-C8	2021-22	Core Course	Bachelor	Anthropology	6	01-08-2021 00:00:00	01-05-2022 00:00:00	274	163
343	Human Growth and Development	ANTH-C 9	2021-22	Core Course	Bachelor	Anthropology	6	01-08-2021 00:00:00	01-05-2022 00:00:00	274	163

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
344	Anthropology of Food	DSE -10	2020-21	Elective Course	Master	Anthropology	2	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163
345	Research Methods	ANTH-C10	2021-22	Core Course	Bachelor	ANTH-C10	6	01-08-2021 00:00:00	01-05-2022 00:00:00	274	40
346	Skill Enhancement Courses	SEC-II	2021-22	Core Course	Bachelor	SEC-II	2	01-08-2021 00:00:00	01-05-2022 00:00:00	274	160
347	Human Growth Human Genetics	ANTH-GE-4	2021-22	Elective Course	Bachelor	Anthropology	6	01-08-2021 00:00:00	01-05-2022 00:00:00	274	160
348	Forensic Anthropology	DSE-20	2020-21	Elective Course	,Master	Anthropology	2	01-10-2020 00:00:00	23-08-2021 00:00:00	327	163
349	Human Population Genetics	ANTH-C11	2021-22	Core Course	Bachelor	Anthropology	6	01-08-2021 00:00:00	01-05-2022 00:00:00	274	160
350	Anthropology in Practice	ANTH-C12	2021-22	Core Course	Bachelor	Anthropology	6	01-08-2021 00:00:00	01-05-2022 00:00:00	274	163

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
351	Biostatistics	MSBB105	2020-21	Core Course	,Master	Centre for Systems Biology and Bioinformatics	4	02-11-2020 00:00:00	27-02-2021 00:00:00	118	45
352	Human Genetics	ANTH- DSE-1	2021-22	Elective Course	Bachelor	Anthropology	6	01-08-2021 00:00:00	01-05-2022 00:00:00	274	163
353	Demographic Anthropology	ANTH-DSE-2	2021-22	Elective Course	Bachelor	Anthropology	6	01-08-2021 00:00:00	01-05-2022 00:00:00	274	163
354	Biophysical Chemistry of Biomacromolecules	MSBB101	2020-21	Core Course	,Master	Centre for Systems Biology and Bioinformatics	4	02-11-2020 00:00:00	27-02-2021 00:00:00	118	45
355	Paleoanthropology	ANTH- DSE-3	2021-22	Elective Course	Bachelor	Anthropology	6	01-08-2021 00:00:00	01-05-2022 00:00:00	274	163
356	Tribal Culture of India	ANTH-DSE-4	2021-22	Elective Course	Bachelor	Anthropology	6	01-08-2021 00:00:00	01-05-2022 00:00:00	274	163

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
357	Data Management and Biological Databases	MSBB106	2020-21	Core Course	,Master	Centre for Systems Biology and Bioinformatics	4	02-11-2020 00:00:00	27-02-2021 00:00:00	118	45
358	Forensic Anthropology	ANTH-C13	2021-22	Elective Course	Bachelor	Anthropology	6	01-08-2021 00:00:00	01-05-2022 00:00:00	274	163
359	Genomics and recombinant DNA technology	MSBB202	2020-21	Core Course	Master	Centre for Systems Biology and Bioinformatic	4	02-11-2020 00:00:00	27-02-2021 00:00:00	118	45
360	Programming in C plus plus and PERL	MSBB204	2020-21	Core Course	,Master	Centre for Systems Biology and Bioinformatics	4	02-11-2020 00:00:00	27-02-2021 00:00:00	118	45
361	Computation Cell Biology	MSBB301	2020-21	Core Course	,Master	Centre for Systems Biology and Bioinformatics	4	05-04-2021 00:00:00	30-07-2021 00:00:00	117	45
362	Systems Biology	MSBB302	2020-21	Core Course	,Master	Centre for Systems Biology and Bioinformatics	4	05-04-2021 00:00:00	30-07-2021 00:00:00	117	45

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
363	Molecular Modeling and Computer aided Drug Design	MSBB304	2020-21	Core Course	,Master	Centre for Systems Biology and Bioinformatics	4	05-04-2021 00:00:00	30-07-2021 00:00:00	117	45
364	Anthropology of India	ANTH-C14	2021-22	Core Course	Bachelor	Anthropology	6	01-08-2021 00:00:00	01-05-2022 00:00:00	274	163
365	Computation Cell Biology II	MSBB401	2020-21	Core Course	,Master	Centre for Systems Biology and Bioinformatics	4	05-04-2021 00:00:00	30-07-2021 00:00:00	117	45
366	Physiological Anthropology	ANTH-DSE-5	2021-22	Elective Course	Bachelor	Anthropology	6	01-08-2021 00:00:00	01-05-2022 00:00:00	274	163
367	Chemo informatics	MSBB402	2020-21	Core Course	,Master	Centre for Systems Biology and Bioinformatics	4	05-04-2021 00:00:00	30-07-2021 00:00:00	117	45
368	Advance Bioinformatics and Nanotechnology	MSBB403	2020-21	Core Course	,Master	Centre for Systems Biology and Bioinformatics	4	05-04-2021 00:00:00	30-07-2021 00:00:00	117	45

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
369	Biostatistics	MSBB105	2021-22	Core Course	,Master	Centre for Systems Biology and Bioinformatics	4	13-09-2021 00:00:00	16-12-2021 00:00:00	95	45
370	Biophysical Chemistry of Biomacromolecules	MSBB101	2021-22	Core Course	,Master	Centre for Systems Biology and Bioinformatics	4	13-09-2021 00:00:00	16-12-2021 00:00:00	95	45
371	Data Management and Biological Databases	MSBB106	2021-22	Core Course	,Master	Centre for Systems Biology and Bioinformatics	4	16-09-2021 00:00:00	16-12-2021 00:00:00	92	45
372	Genomics and recombinant DNA technology	MSBB202	2021-22	Core Course	,Master	Centre for Systems Biology and Bioinformatics	4	16-09-2021 00:00:00	16-12-2021 00:00:00	92	45
373	Programming in C plus plus and PERL	MSBB204	2021-22	Core Course	,Master	Centre for Systems Biology and Bioinformatics	4	16-09-2021 00:00:00	16-12-2021 00:00:00	92	45

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
374	Computation Cell Biology	MSBB301	2021-22	Core Course	,Master	Centre for Systems Biology and Bioinformatics	4	04-03-2022 00:00:00	01-05-2022 00:00:00	59	45
375	Visual Anthropology	ANTH-DSE-6	2021-22	Elective Course	Bachelor	Anthropology	6	01-08-2021 00:00:00	01-05-2022 00:00:00	274	163
376	Anthropology of Health	ANTH- DSE-7	2021-22	Elective Course	Bachelor	Anthropology	6	01-08-2021 00:00:00	01-05-2022 00:00:00	274	163
377	Dissertation	DSE-8	2021-22	Elective Course	Bachelor	Anthropology	6	01-08-2021 00:00:00	01-05-2022 00:00:00	274	163
378	Systems Biology	MSBB302	2021-22	Core Course	,Master	Centre for Systems Biology and Bioinformatics	4	04-03-2022 00:00:00	01-05-2022 00:00:00	59	45
379	Molecular Modeling and Computer aided Drug Design	MSBB304	2021-22	Core Course	,Master	Centre for Systems Biology and Bioinformatics	4	04-03-2022 00:00:00	01-05-2022 00:00:00	59	45

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
380	Computation Cell Biology II	MSBB401	2021-22	Core Course	,Master	Centre for Systems Biology and Bioinformatics	4	04-03-2022 00:00:00	01-05-2022 00:00:00	59	45
381	Archaeological Anthropology and Palaeoanthropology	ANTH-C101	2021-22	Core Course	Master	Anthropology	6	01-08-2021 00:00:00	01-05-2022 00:00:00	274	163
382	Chemoinformatics	MSBB402	2021-22	Core Course	Master	Centre for Systems Biology and Bioinformatics	4	04-03-2022 00:00:00	01-05-2022 00:00:00	59	45
383	Biological Anthropology	ANTH-C103	2021-22	Core Course	Master	Anthropology	5	01-08-2021 00:00:00	01-05-2022 00:00:00	274	163
384	Advance Bioinformatics and Nanotechnology	MSBB403	2021-22	Core Course	Master	Centre for Systems Biology and Bioinformatics	4	15-03-2022 00:00:00	14-06-2022 00:00:00	92	45
385	Social-Cultural Anthropology	ANTH-C103	2021-22	Core Course	Master	Anthropology	5	01-08-2021 00:00:00	01-05-2022 00:00:00	274	163

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
386	Medical Anthropology	DSE-2	2021-22	Elective Course	Master	Anthropology	5	01-08-2021 00:00:00	01-05-2022 00:00:00	274	163
387	Human Growth Development and Nutrition	DSE-15	2021-22	Elective Course	Master	Anthropology	5	01-08-2021 00:00:00	01-05-2022 00:00:00	274	163
388	Human Genetics	ANTH-C203	2021-22	Core Course	Master	Anthropology	5	01-08-2021 00:00:00	01-05-2022 00:00:00	274	163
389	Field Methodology	SEC- 1	2021-22	Core Course	Master	Anthropology	5	01-08-2021 00:00:00	01-05-2022 00:00:00	274	163
390	Anthropological Methods and Techniques	ANTH-C201	2021-22	Core Course	Master	Anthropology	3	01-08-2021 00:00:00	01-05-2022 00:00:00	274	163
391	Museum Studies	ANTH-C202	2021-22	Core Course	Master	Anthropology	5	01-08-2021 00:00:00	01-05-2022 00:00:00	274	163
392	Fieldwork Methods and Techniques	DSE -4	2021-22	Elective Course	Master	Anthropology	5	01-08-2021 00:00:00	01-05-2022 00:00:00	274	163

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393	Human Anatomy and Physiology-I (Theory)	BP 101T	2020-21	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	4	01-09-2020 00:00:00	28-11-2020 00:00:00	89	45
394	Pharmaceutics- I (Theory)	BP 103T	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	4	01-09-2020 00:00:00	28-11-2020 00:00:00	89	45
395	Pharmaceutical Inorganic Chemistry (Theory)	BP 104T	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	4	01-09-2020 00:00:00	28-11-2020 00:00:00	89	45
396	Communication Skills (Theory)	BP 105T	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	2	01-09-2020 00:00:00	28-11-2020 00:00:00	89	45
397	Remedial Mathematics (Theory)	BP 106RMT	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	2	01-09-2020 00:00:00	28-11-2020 00:00:00	89	30

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
398	Remedial Biology (Theory)	BP 106RBT	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	2	01-09-2020 00:00:00	28-11-2020 00:00:00	89	60
399	Human Anatomy and Physiology-I (Practical)	BP 107P	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	2	01-09-2020 00:00:00	28-11-2020 00:00:00	89	60
400	Pharmaceutical Analysis (Practical)	BP 108P	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	2	01-09-2020 00:00:00	28-11-2020 00:00:00	89	60
401	Pharmaceutics I (Practical)	BP 109P	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	2	01-09-2020 00:00:00	28-11-2020 00:00:00	89	60
402	Pharmaceutical Inorganic Chemistry (Practical)	BP 110P	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	1	01-09-2020 00:00:00	28-11-2020 00:00:00	89	30

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
403	Communication Skills (Practical)	BP 111P	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	1	01-09-2020 00:00:00	28-11-2020 00:00:00	89	30
404	Remedial Biology (Practical)	BP 112RBP	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	4	01-09-2020 00:00:00	28-11-2020 00:00:00	89	45
405	Human Anatomy and Physiology-II (Theory)	BP 201T	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	4	01-09-2020 00:00:00	28-11-2020 00:00:00	89	45
406	Pharmaceutical Organic Chemistry 1 (Theory)	BP 202T	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	4	04-01-2021 00:00:00	07-05-2021 00:00:00	124	45
407	Biochemistry (Theory)	BP 203T	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	4	04-01-2021 00:00:00	07-05-2021 00:00:00	124	45

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
408	Pathophysiology (Theory)	BP 204T	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	3	04-01-2021 00:00:00	07-05-2021 00:00:00	124	45
409	Computer Applications in Pharmacy (Theory)	BP 205T	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	3	04-01-2021 00:00:00	07-05-2021 00:00:00	124	30
410	Environmental Sciences (Theory)	BP 206T	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	2	04-01-2021 00:00:00	07-05-2021 00:00:00	124	30
411	Human Anatomy and Physiology (Practical)	BP 207P	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	2	04-01-2021 00:00:00	07-05-2021 00:00:00	124	60
412	Pharmaceutical Organic Chemistry -I (Practical)	BP 208P	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	2	04-01-2021 00:00:00	07-05-2021 00:00:00	124	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
413	Biochemistry (Practical)	BP 209P	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	1	04-01-2021 00:00:00	07-05-2021 00:00:00	124	60
414	Computer Applications in Pharmacy Practical	BP 210P	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	1	04-01-2021 00:00:00	07-05-2021 00:00:00	124	30
415	Pharmaceutical Organic Chemistry II (Theory)	BP 301T	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	4	01-09-2020 00:00:00	28-11-2020 00:00:00	89	45
416	Physical Pharmaceutics-I (Theory)	BP 302T	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	4	01-09-2020 00:00:00	28-11-2020 00:00:00	89	45
417	Pharmaceutical Microbiology (Theory)	BP 303T	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	4	01-09-2020 00:00:00	28-11-2020 00:00:00	89	45

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
418	Pharmaceutical Engineering (Theory)	BP 304T	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Science	4	01-09-2020 00:00:00	28-11-2020 00:00:00	89	45
419	Pharmaceutical Organic Chemistry -II (Practical)	BP 305P	2020-21	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	2	01-09-2020 00:00:00	28-11-2020 00:00:00	89	60
420	Physical Pharmaceutics I (Practical)	BP 306P	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	2	01-09-2020 00:00:00	28-11-2020 00:00:00	89	60
421	Pharmaceutical Microbiology (Practical)	BP 307P	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	2	01-09-2020 00:00:00	28-11-2020 00:00:00	89	60
422	Pharmaceutical Engineering (Practical)	BP 308P	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	2	01-09-2020 00:00:00	28-11-2020 00:00:00	89	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
423	Pharmaceutical Organic Chemistry III (Theory)	BP 401T	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	4	04-01-2021 00:00:00	07-05-2021 00:00:00	124	45
424	Medicinal Chemistry I (Theory)	BP 402T	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	4	04-01-2021 00:00:00	07-05-2021 00:00:00	124	45
425	Physical Pharmaceutics-II (Theory)	BP 403T	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	4	04-01-2021 00:00:00	07-05-2021 00:00:00	124	45
426	Pharmacology-I (Theory)	BP 404T	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	4	04-01-2021 00:00:00	07-05-2021 00:00:00	124	45
427	Pharmacognosy and Phytochemistry-I (Theory)	BP 405T	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	4	04-01-2021 00:00:00	07-05-2021 00:00:00	124	45

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
428	Medicinal Chemistry I (Practical)	BP 406P	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	2	04-01-2021 00:00:00	07-05-2021 00:00:00	124	60
429	Physical Pharmaceutics- II (Practical)	BP 407P	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	2	04-01-2021 00:00:00	07-05-2021 00:00:00	124	60
430	Pharmacology-I (Practical)	BP 408P	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Scienc	2	04-01-2021 00:00:00	07-05-2021 00:00:00	124	60
431	Pharmacognosy and Phytochemistry-I (Practical)	BP 409P	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	2	04-01-2021 00:00:00	07-05-2021 00:00:00	124	60
432	Medicinal Chemistry II (Theory)	BP 501T	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	4	01-09-2020 00:00:00	28-11-2020 00:00:00	89	45

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
433	Industrial Pharmacy I (Theory)	BP 502T	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	4	01-09-2020 00:00:00	28-11-2020 00:00:00	89	45
434	Pharmacology-II (Theory)	BP 503T	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	4	01-09-2020 00:00:00	28-11-2020 00:00:00	89	45
435	Pharmacognosy and Phytochemistry II (Theory)	BP 504T	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	4	01-09-2020 00:00:00	28-11-2020 00:00:00	89	45
436	Pharmaceutical Jurisprudence (Theory)	BP 505T	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	4	01-09-2020 00:00:00	28-11-2020 00:00:00	89	45
437	Industrial Pharmacy I (Practical)	BP 506P	2020-21	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	2	01-09-2020 00:00:00	28-11-2020 00:00:00	89	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
438	Pharmacology-II (Practical)	BP 507P	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	2	01-09-2020 00:00:00	28-11-2020 00:00:00	89	60
439	Pharmacognosy and Phytochemistry II (Practical)	BP 508P	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	2	01-09-2020 00:00:00	28-11-2020 00:00:00	89	60
440	Medicinal Chemistry III (Theory)	BP 601T	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	4	04-01-2021 00:00:00	07-05-2021 00:00:00	124	45
441	Pharmacology-III (Theory)	BP 602T	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	4	04-01-2021 00:00:00	07-05-2021 00:00:00	124	45
442	Herbal Drug Technology (Theory)	BP 603T	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	4	04-01-2021 00:00:00	07-05-2021 00:00:00	124	45

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
443	Biopharmaceutics and Pharmacokinetics (Theory)	BP 604T	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	4	04-01-2021 00:00:00	07-05-2021 00:00:00	124	45
444	Pharmaceutical Biotechnology (Theory)	BP 605T	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	4	04-01-2021 00:00:00	07-05-2021 00:00:00	124	45
445	Pharmaceutical Quality Assurance (Theory)	BP 606T	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	4	04-01-2021 00:00:00	07-05-2021 00:00:00	124	45
446	Medicinal Chemistry-III (Practical)	BP 607P	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	2	04-01-2021 00:00:00	07-05-2021 00:00:00	124	60
447	Pharmacology-III (Practical)	BP 608P	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	2	04-01-2021 00:00:00	07-05-2021 00:00:00	124	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
448	Herbal Drug Technology (Practical)	BP 609P	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	2	04-01-2021 00:00:00	07-05-2021 00:00:00	124	60
449	Instrumental Methods of Analysis (Theory)	BP701T	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	4	01-09-2020 00:00:00	28-11-2020 00:00:00	89	45
450	Industrial Pharmacy II (Theory)	BP 702T	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	4	01-09-2020 00:00:00	28-11-2020 00:00:00	89	45
451	Pharmacy Practice (Theory)	BP 703T	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	4	01-09-2020 00:00:00	28-11-2020 00:00:00	89	45
452	Novel Drug Delivery Systems (Theory)	BP 704T	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	4	01-09-2020 00:00:00	28-11-2020 00:00:00	89	45

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
453	Instrumental Methods of Analysis (Practical)	BP705P	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	2	01-09-2020 00:00:00	28-11-2020 00:00:00	89	60
454	Biostatistics And Research Methodology (Theory)	BP801T	2020-21	Core Course	,Bachelor	University Institute of Pharmaceutical Sciences	4	04-01-2021 00:00:00	07-05-2021 00:00:00	124	60
455	Prehistoric Archaeology and Palaeoanthropology-Concepts and Palaeolithic cultures	DSE- 7	2021-22	Elective Course	Master	Anthropology	2	01-08-2021 00:00:00	22-07-2022 00:00:00	356	204
456	Anthropology of SIA	SEC- 2	2021-22	Core Course	Master	Anthropology	2	01-08-2021 00:00:00	22-07-2022 00:00:00	356	204
457	Anthropological Theories	ANTH-C301	2021-22	Core Course	Master	Anthropology	3	01-08-2021 00:00:00	22-07-2022 00:00:00	356	204
458	Human Ecology and Adaptation	ANTH-C302	2021-22	Core Course	Master	Anthropology	5	01-08-2021 00:00:00	22-07-2022 00:00:00	356	204

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
459	Anthropology of India	ANTH-C303	2021-22	Core Course	Master	Anthropology	5	01-08-2021 00:00:00	22-07-2022 00:00:00	356	204
460	Human Biological Variation	DSE -5	2021-22	Elective Course	Master	Anthropology	5	01-08-2021 00:00:00	22-07-2022 00:00:00	356	204
461	Symbolic Anthropology	DSE- 11	2021-22	Elective Course	Master	Anthropology	2	01-08-2021 00:00:00	22-07-2022 00:00:00	356	204
462	Documentation of intangible cultural heritage	SEC- 3	2021-22	Core Course	Master	Anthropology	5	01-08-2021 00:00:00	22-07-2022 00:00:00	356	204
463	Demography and Biostatistics	ANTH-C401	2021-22	Core Course	Master	Anthropology	3	01-08-2021 00:00:00	22-07-2022 00:00:00	356	204
464	Applied Anthropology	ANTH-C402	2021-22	Core Course	Master	Anthropology	5	01-08-2021 00:00:00	22-07-2022 00:00:00	356	204
465	Dissertation and viva-voce	ANTH-C403	2021-22	Core Course	Master	Anthropology	5	01-08-2021 00:00:00	22-07-2022 00:00:00	356	204

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
466	Anthropology of Food	DSE -10	2021-22	Elective Course	Master	Anthropology	5	01-08-2021 00:00:00	22-07-2022 00:00:00	356	204
467	Forensic Anthropology	DSE-20	2021-22	Elective Course	Master	Anthropology	2	01-08-2021 00:00:00	01-05-2022 00:00:00	274	204
468	Social and Preventive Pharmacy (Theory)	BP 802T	2020-21	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	4	04-01-2021 00:00:00	07-05-2021 00:00:00	124	45
469	Pharmacovigilance Theory	BP805ET	2020-21	Elective Course	,Bachelor	University Institute of Pharmaceutical Sciences	4	04-01-2021 00:00:00	07-05-2021 00:00:00	124	45
470	Quality Control and Standardization of Herbals Theory	BP806ET	2020-21	Elective Course	,Bachelor	University Institute of Pharmaceutical Sciences	4	04-01-2021 00:00:00	07-05-2021 00:00:00	124	45
471	Computer Aided Drug Design Theory	BP807ET	2020-21	Elective Course	,Bachelor	University Institute of Pharmaceutical Sciences	4	04-01-2021 00:00:00	07-05-2021 00:00:00	124	45

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
472	Cell and Molecular Biology Theory	BP808ET	2020-21	Elective Course	,Bachelor	University Institute of Pharmaceutical Sciences	4	04-01-2021 00:00:00	07-05-2021 00:00:00	124	45
473	Cosmetic Science Theory	BP809ET	2020-21	Elective Course	,Bachelor	University Institute of Pharmaceutical Sciences	4	04-01-2021 00:00:00	07-05-2021 00:00:00	124	45
474	Pharmaceutical Analysis (Theory)	BP 102T	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	4	01-09-2021 00:00:00	16-12-2021 00:00:00	107	45
475	Advanced Instrumentation Techniques Theory	BP811ET	2020-21	Elective Course	Bachelor	University Institute of Pharmaceutical Sciences	4	04-01-2021 00:00:00	07-05-2021 00:00:00	124	45
476	Pharmaceutics- I (Theory)	BP 103T	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	4	01-09-2021 00:00:00	16-12-2021 00:00:00	107	45

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
477	Dietary Supplements and Nutraceuticals	BP812ET	2020-21	Elective Course	,Bachelor	University Institute of Pharmaceutical Sciences	4	04-01-2021 00:00:00	07-05-2021 00:00:00	124	45
478	Pharmaceutical Inorganic Chemistry (Theory)	BP 104T	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	4	01-09-2021 00:00:00	16-12-2021 00:00:00	107	45
479	Pharmaceutical Product Development	BP813ET	2020-21	Elective Course	,Bachelor	University Institute of Pharmaceutical Sciences	4	04-01-2021 00:00:00	07-05-2021 00:00:00	124	45
480	Communication Skills (Theory)	BP 105T	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	2	01-09-2021 00:00:00	16-12-2021 00:00:00	107	30
481	Modern Pharmaceutical Analytical Techniques	MPH 101T	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	4	02-11-2020 00:00:00	27-02-2021 00:00:00	118	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
482	Drug Delivery Systems	MPH 102T	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	4	02-11-2020 00:00:00	27-02-2021 00:00:00	118	60
483	Human Anatomy and Physiology-I (Practical)	BP 107P	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	2	01-09-2021 00:00:00	16-12-2021 00:00:00	107	60
484	Modern Pharmaceutics	MPH 103T	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	4	02-11-2020 00:00:00	27-02-2021 00:00:00	118	60
485	Pharmaceutical Analysis (Practical)	BP 108P	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	2	16-09-2021 00:00:00	16-12-2021 00:00:00	92	60
486	Pharmaceutics I (Practical)	BP 109P	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	2	01-09-2021 00:00:00	16-12-2021 00:00:00	107	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
487	Human Anatomy and Physiology-I (Theory)	BP 101T	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	4	01-09-2021 00:00:00	16-12-2021 00:00:00	107	45
488	Regulatory Affairs	MPH 104T	2020-21	Core Course	Master	University Institute of Pharmaceutical Sciences	4	02-11-2020 00:00:00	27-02-2021 00:00:00	118	60
489	Pharmaceutics Practical I	MPH 105P	2020-21	Core Course	Master	University Institute of Pharmaceutical Sciences	6	02-11-2020 00:00:00	27-02-2021 00:00:00	118	60
490	Molecular Pharmaceutics (Nano Technology Targeted Dds Ntds	MPH 201T	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	4	05-04-2021 00:00:00	30-07-2021 00:00:00	117	60
491	Advanced Biopharmaceutics and Pharmacokinetics	MPH 202T	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	4	05-04-2021 00:00:00	30-07-2021 00:00:00	117	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
492	Computer Aided Drug Development	MPH 203T	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	4	05-04-2021 00:00:00	30-07-2021 00:00:00	117	60
493	Cosmetics And Cosmeceuticals	MPH 204T	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	4	05-04-2021 00:00:00	30-07-2021 00:00:00	117	60
494	Pharmaceutics Practical II	MPH 205P	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	6	05-04-2021 00:00:00	30-07-2021 00:00:00	117	60
495	Research Methodology And Biostatistics	MRM301T	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	4	02-11-2020 00:00:00	27-02-2021 00:00:00	118	60
496	Modern Pharmaceutical Analytical Techniques	MPL 101T	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	4	02-11-2020 00:00:00	27-02-2021 00:00:00	118	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
497	Advanced Pharmacology I	MPL 102T	2020-21	Core Course	Master	University Institute of Pharmaceutical Sciences	4	02-11-2020 00:00:00	27-02-2021 00:00:00	118	60
498	Pharmacological And Toxicological Screening Methods I	MPL 103T	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	4	02-11-2020 00:00:00	27-02-2021 00:00:00	118	60
499	Cellular And Molecular Pharmacology	MPL 104T	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	4	02-11-2020 00:00:00	27-02-2021 00:00:00	118	60
500	Pharmacology Practical I	MPL 105P	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	6	02-11-2020 00:00:00	27-02-2021 00:00:00	118	60
501	Advanced Pharmacology II	MPL 201T	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	4	05-04-2021 00:00:00	30-07-2021 00:00:00	117	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
502	Pharmacological And Toxicological Screening Methods-II	MPL 202T	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	4	05-04-2021 00:00:00	30-07-2021 00:00:00	117	60
503	Principles Of Drug Discovery	MPL 203T	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	4	05-04-2021 00:00:00	30-07-2021 00:00:00	117	60
504	Clinical Research And Pharmacovigilance	MPL 204T	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	4	05-04-2021 00:00:00	30-07-2021 00:00:00	117	60
505	Pharmacology Practical II	MPL 205P	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	6	05-04-2021 00:00:00	30-07-2021 00:00:00	117	60
506	Pharmaceutical Inorganic Chemistry (Practical)	BP 110P	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	1	01-09-2021 00:00:00	16-12-2021 00:00:00	107	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
507	Research Methodology And Biostatistics	MRM301T	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	4	02-11-2020 00:00:00	27-02-2021 00:00:00	118	60
508	Communication Skills (Practical)	BP 111P	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	1	01-09-2021 00:00:00	16-12-2021 00:00:00	107	30
509	Remedial Biology (Practical)	BP 112RBP	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	4	01-09-2021 00:00:00	16-12-2021 00:00:00	107	30
510	Modern Pharmaceutical Analytical Techniques	MPG 101T	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	4	02-11-2020 00:00:00	27-02-2021 00:00:00	118	60
511	Advanced Pharmacognosy I	MPG 102T	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	4	02-11-2020 00:00:00	27-02-2021 00:00:00	118	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
512	Phytochemistry	MPG 103T	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	4	02-11-2020 00:00:00	27-02-2021 00:00:00	118	60
513	Industrial Pharmacognostical Technology	MPG 104T	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	4	02-11-2020 00:00:00	27-02-2021 00:00:00	118	60
514	Pharmacognosy Practical I	MPG I05P	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	6	02-11-2020 00:00:00	27-02-2021 00:00:00	118	60
515	Medicinal Plant Biotechnology	MPG 201T	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	4	05-04-2021 00:00:00	30-07-2021 00:00:00	117	60
516	Advanced Pharmacognosy Ii	MPG 202T	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	4	05-04-2021 00:00:00	30-07-2021 00:00:00	117	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
517	Indian Systems Of Medicine	MPG 203T	2020-21	Core Course	,Master	University Institute of Pharmaceutical Science	4	05-04-2021 00:00:00	30-07-2021 00:00:00	117	60
518	Herbal Cosmetics	MPG 204T	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	4	05-04-2021 00:00:00	30-07-2021 00:00:00	117	60
519	Herbal Cosmetics Practicals	MPG 205P	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	6	05-04-2021 00:00:00	30-07-2021 00:00:00	117	60
520	Research Methodology And Biostatistics	MRM301T	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	4	02-11-2020 00:00:00	27-02-2021 00:00:00	118	60
521	Modern Pharmaceutical Analytical Techniques	MPA101T	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	4	02-11-2020 00:00:00	27-02-2021 00:00:00	118	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
522	Advanced Pharmaceutical Analysis	MPA 102T	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	4	02-11-2020 00:00:00	27-02-2021 00:00:00	118	60
523	Pharmaceutical Validation	MPA 103T	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	4	02-11-2020 00:00:00	27-02-2021 00:00:00	118	60
524	Food Analysis	MPA 104T	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	4	02-11-2020 00:00:00	27-02-2021 00:00:00	118	60
525	Pharmaceutical Analysis Practical Ii	MPA 105P	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	6	02-11-2020 00:00:00	27-02-2021 00:00:00	118	60
526	Advanced Instrumental Analysis	MPA 201T	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	4	05-04-2021 00:00:00	30-07-2021 00:00:00	117	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
527	Modern Bio-Analytical Techniques	MPA 202T	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	4	05-04-2021 00:00:00	30-07-2021 00:00:00	117	60
528	Quality Control And Quality Assurance	MPA 203T	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	4	05-04-2021 00:00:00	30-07-2021 00:00:00	117	60
529	Pharmaceutical Organic Chemistry I (Theory)	BP 202T	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	01-05-2022 00:00:00	88	45
530	Biochemistry (Theory)	BP 203T	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	45
531	Pathophysiology (Theory)	BP 204T	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	3	03-02-2022 00:00:00	25-05-2022 00:00:00	112	45

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
532	Computer Applications in Pharmacy (Theory)	BP 205T	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	3	03-02-2022 00:00:00	25-05-2022 00:00:00	112	30
533	Environmental Sciences (Theory)	BP 206T	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	2	03-02-2022 00:00:00	25-05-2022 00:00:00	112	30
534	Human Anatomy and Physiology (Practical)	BP 207P	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	2	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
535	Pharmaceutical Organic Chemistry -I (Practical)	BP 208P	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	2	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
536	Biochemistry (Practical)	BP 209P	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	1	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
537	Computer Applications in Pharmacy (Practical)	BP 210P	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	1	03-02-2022 00:00:00	25-05-2022 00:00:00	112	30
538	Pharmaceutical Organic Chemistry II (Theory)	BP 301T	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	4	01-09-2021 00:00:00	16-12-2021 00:00:00	107	45
539	Physical Pharmaceutics-I (Theory)	BP 302T	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	4	01-09-2021 00:00:00	15-12-2021 00:00:00	106	40
540	Herbal And Cosmetic Analysis	MPA 204T	2020-21	Core Course	Master	University Institute of Pharmaceutical Sciences	4	05-04-2021 00:00:00	30-07-2021 00:00:00	117	60
541	Pharmaceutical Analysis Practical I	MPA 205P	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	6	05-04-2021 00:00:00	30-07-2021 00:00:00	117	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
542	Research Methodology And Biostatistics	MRM301T	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	4	02-11-2020 00:00:00	27-02-2021 00:00:00	118	60
543	Modern Pharmaceutical Analytical Techniques	MQA 101T	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	4	02-11-2020 00:00:00	27-02-2021 00:00:00	118	60
544	Quality Management Systems	MQA 102T	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	4	02-11-2020 00:00:00	27-02-2021 00:00:00	118	60
545	Pharmaceutical Validation	MQA 103T	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	4	02-11-2020 00:00:00	27-02-2021 00:00:00	118	60
546	Product Development And Technology Transfer	MQA 104T	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	4	02-11-2020 00:00:00	27-02-2021 00:00:00	118	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
547	Pharmaceutical Quality Assurance Practical I	MQA 105P	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	6	02-11-2020 00:00:00	27-02-2021 00:00:00	118	60
548	Hazards And Safety Management	MQA 201T	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	4	05-04-2021 00:00:00	30-07-2021 00:00:00	117	60
549	Audits And Regulatory Compliance	MQA 202T	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	4	05-04-2021 00:00:00	30-07-2021 00:00:00	117	60
550	Quality Control And Quality Assurance	MQA 203T	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	4	05-04-2021 00:00:00	30-07-2021 00:00:00	117	60
551	Pharmaceutical Manufacturing Technology	MQA 204T	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	4	05-04-2021 00:00:00	30-07-2021 00:00:00	117	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
552	Research Methodology And Biostatistics	MRM301T	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	4	05-04-2021 00:00:00	30-07-2021 00:00:00	117	60
553	Modern Pharmaceutical Analytical Techniques	MPH 101T	2020-21	Core Course	,Master	University Institute of Pharmaceutical Sciences	4	02-11-2020 00:00:00	27-02-2021 00:00:00	118	60
554	Techniques in Pharmaceutical Sciences	Paper I	2020-21	Core Course	,PhD	University Institute of Pharmaceutical Sciences	3	02-11-2020 00:00:00	27-02-2021 00:00:00	118	60
555	Research Methodology and Biostatistics	Paper II	2020-21	Core Course	,PhD	University Institute of Pharmaceutical Sciences	3	02-11-2020 00:00:00	27-02-2021 00:00:00	118	60
556	Subject specific pertaining to Pharmaceutical chemistry Pharmaceutics Pharmacognosy and Pharmacology	Paper III	2020-21	Core Course	,PhD	University Institute of Pharmaceutical Sciences	3	02-11-2020 00:00:00	27-02-2021 00:00:00	118	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
557	Calculus	ASM 101	2021-22	Core Course	,Bachelor	Computer science engineering	5	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
558	Programming for problem solving	ESC X01	2021-22	Core Course	,Bachelor	Computer science engineering	3	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
559	Programming for problem solving lab	ESC X51	2021-22	Core Course	,Bachelor	Computer science engineering	2	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
560	Digital Electronics	ESC X 06	2021-22	Core Course	,Bachelor	Computer science engineering	2	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
561	Digital Electronics	ESC X56	2021-22	Core Course	,Bachelor	Computer science engineering	3	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
562	Applied Chemistry	ASC X101	2021-22	Core Course	,Bachelor	Computer science engineering	4	24-02-2022 00:00:00	01-05-2022 00:00:00	67	90
563	Differential Equations and Transforms	ASM 201	2021-22	Core Course	Bachelor	Computer science engineering	5	24-02-2022 00:00:00	27-05-2022 00:00:00	93	90

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
564	Professional Communication	HSMC X01	2021-22	Core Course	,Bachelor	Computer science engineering	2	24-02-2022 00:00:00	01-05-2022 00:00:00	67	90
565	Object Oriented Programming	CSC 201	2021-22	Core Course	,Bachelor	Computer science engineering	3	24-02-2022 00:00:00	01-05-2022 00:00:00	67	90
566	Object Oriented Programming (P)	CSC 251	2021-22	Core Course	Bachelor	Computer science engineering	1	24-02-2022 00:00:00	27-05-2022 00:00:00	93	90
567	Introduction to Computer Science	CSC 202	2021-22	Core Course	,Bachelor	Computer science engineering	3	24-02-2022 00:00:00	01-05-2022 00:00:00	67	90
568	CS 301 Data Structures	CS 301	2021-22	Core Course	Bachelor	Computer science engineering	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
569	CS 351 Data Structures (Practical)	CS 351	2021-22	Core Course	Bachelor	Computer science engineering	1	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
570	CS 302 Database Systems	CS 302	2021-22	Core Course	Bachelor	Computer science engineering	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
571	CS 352 Database Systems (Practical)	CS 352	2021-22	Core Course	Bachelor	Computer science engineering	1	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
572	CS 303 Discrete Structures	CS 303	2021-22	Core Course	Bachelor	Computer science engineering	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
573	CS 304 Microprocessors	CS 304	2021-22	Core Course	Bachelor	Computer science engineering	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
574	CS 354 Microprocessors (Practical)	CS 354	2021-22	Core Course	Bachelor	Computer science engineering	1	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
575	CS 401 Analysis and Design of Algorithms	CS 401	2021-22	Core Course	Bachelor	Computer science engineering	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
576	CS 451 Analysis and Design of Algorithms (Practical)	CS 451	2021-22	Core Course	Bachelor	Computer science engineering	1	25-02-2022 00:00:00	27-05-2022 00:00:00	92	35
577	CS 402 Web Technologies	CS 401	2021-22	Core Course	Bachelor	Computer science engineering	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
578	CS 452 Web Technologies (Practical)	CS 452	2021-22	Core Course	Bachelor	Computer science engineering	1	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
579	CS 403 Operating Systems	CS 403	2021-22	Core Course	Bachelor	Computer science engineering	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
580	CS 453 Operating Systems (Practical)	CS 453	2021-22	Core Course	Bachelor	Computer science engineering	1	25-02-2022 00:00:00	27-05-2022 00:00:00	92	35
581	CS 404 Software Engineering	CS 404	2021-22	Core Course	Bachelor	Computer science engineering	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
582	CS 454 Software Engineering (Practical)	CS 454	2021-22	Core Course	Bachelor	Computer science engineering	1	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
583	CS 405 Computer Architecture and Organization	CS 405	2021-22	Core Course	Bachelor	Computer science engineering	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
584	CS 501 Data Communication and Networks	CS 501	2021-22	Core Course	Bachelor	Computer science engineering	1	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
585	CS 551 Technical Communication and Soft Skills (Practical)	CS 551	2021-22	Core Course	Bachelor	Computer science engineering	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
586	CS 502 Computer Graphics	CS 502	2021-22	Core Course	Bachelor	Computer science engineering	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
587	CS 552 Computer Graphics (Practical)	CS 552	2021-22	Core Course	Bachelor	Computer science engineering	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
588	CS 503 Artificial Intelligence	CS 503	2021-22	Core Course	Bachelor	Computer science engineering	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
589	CS 553 Artificial Intelligence (Practical)	CS 553	2021-22	Core Course	Bachelor	Computer science engineering	1	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
590	CS 504 Principle of Programming Languages	CS 504	2021-22	Core Course	Bachelor	Computer science engineering	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
591	CS 505 Theory of Computation	CS 505	2021-22	Core Course	Bachelor	Computer science engineering	1	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
592	CS 601 Computer Networks and Security	CS 601	2021-22	Core Course	Bachelor	Computer science engineering	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
593	CS 651 Computer Networks and Security (Practical)	CS 651	2021-22	Core Course	Bachelor	Computer science engineering	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
594	CS 602 Linear Algebra and Probability Theory	CS 602	2021-22	Core Course	Bachelor	Computer science engineering	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
595	CS 603 Modeling and Simulation	CS 603	2021-22	Core Course	Bachelor	Computer science engineering	1	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
596	CS 653 Modeling and Simulation (Practical)	CS 653	2021-22	Core Course	Bachelor	Computer science engineering	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
597	CS 604 Compiler Design	CS 604	2021-22	Core Course	Bachelor	Computer science engineering	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
598	CS 654 Compiler Design (Practical	CS 654	2021-22	Elective Course	Bachelor	Computer science engineering	1	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
599	CS 605A Software Testing and Quality Assurance	CS 605A	2021-22	Elective Course	Bachelor	Computer science engineering	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
600	CS 655A Software Testing and Quality Assurance (Practical)	CS 655A	2021-22	Elective Course	Bachelor	Computer science engineering	1	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
601	CS 605B Soft Computing	CS 605B	2021-22	Elective Course	Bachelor	Computer science engineering	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
602	CS 655B Soft Computing (Practical)	CS 655B	2021-22	Elective Course	Bachelor	Computer science engineering	1	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
603	CS 605C Data Mining and Analysis	CS 605C	2021-22	Elective Course	Bachelor	Computer science engineering	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
604	CS 655C Data Mining and Analysis (Practical)	CS 655C	2021-22	Elective Course	Bachelor	Computer science engineering	1	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
605	CS 605D Mobile Application Development	CS 605D	2021-22	Elective Course	Bachelor	Computer science engineering	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
606	CS 655D Mobile Application Development (Practical)	CS 655D	2021-22	Elective Course	Bachelor	Computer science engineering	1	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
607	CS 605E Data Acquisition and Interfacing	CS 605E	2021-22	Elective Course	Bachelor	Computer science engineering	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
608	CS 655E Data Acquisition and Interfacing (Practical)	CS 655E	2021-22	Elective Course	Bachelor	Computer science engineering	1	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
609	CS 605F Multimedia Computing	CS 605F	2021-22	Elective Course	Bachelor	Computer science engineering	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
610	CS 655F Multimedia Computing (Practical)	CS 655F	2021-22	Elective Course	Bachelor	Computer science engineering	2	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
611	CS 701 Digital Image Processing	CS 701	2021-22	Core Course	Bachelor	Computer science engineering	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
612	CS 751 Digital Image Processing (Practical)	CS 751	2021-22	Core Course	Bachelor	Computer science engineering	1	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
613	CS 702 Advance Database Systems	CS 702	2021-22	Core Course	,Bachelor	Computer science engineering	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
614	Entrepreneurship Development	BHM-365	2020-21	Elective Course	Bachelor	University Institute of Hotel and Tourism Management (UIHTM)	3	04-04-2021 00:00:00	30-07-2021 00:00:00	118	85
615	Managing entrepreneurship small and medium business properties	MHM- T204	2020-21	Core Course	Master	University Institute of Hotel and Tourism Management (UIHTM)	4	05-04-2021 00:00:00	30-07-2021 00:00:00	117	85
616	Tourism and Hospitality Entrepreneurship and Legal Environment	MTT 301	2020-21	Core Course	Master	University Institute of Hotel and Tourism Management (UIHTM)	4	02-11-2020 00:00:00	27-02-2021 00:00:00	118	102

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
617	Entrepreneurship Development	BHM-365	2021-22	Elective Course	Bachelor	University Institute of Hotel and Tourism Management (UIHTM)	3	03-02-2022 00:00:00	25-05-2022 00:00:00	112	97
618	Managing entrepreneurship small and medium business properties	MHM- T204	2021-22	Core Course	Master	University Institute of Hotel and Tourism Management (UIHTM)	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	97
619	Tourism and Hospitality Entrepreneurship and Legal Environment	MTT 301	2021-22	Core Course	Master	University Institute of Hotel and Tourism Management (UIHTM)	4	23-09-2021 00:00:00	27-12-2021 00:00:00	96	81
620	Stem Cell Translational and Ethics	STE14	2020-21	Core Course	Master	Centre for Stem Cell Tissue Engineering and Biomedical Excellence	4	03-09-2020 00:00:00	15-01-2021 00:00:00	135	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
621	Stem Cell Translational and Ethics	STE14	2021-22	Core Course	Master	Centre for Stem Cell Tissue Engineering and Biomedical Excellence	4	09-08-2021 00:00:00	24-12-2021 00:00:00	138	60
622	WORKSHOP ON DEVELOPING ENTREPRENEURIAL SKILLS	MBA-4003	2020-21	Core Course	Master	University Institute of Applied Management Studies Panjab University	2	24-03-2021 00:00:00	31-05-2021 00:00:00	69	20
623	MANAGEMENT OF TECHNOLOGY AND INNOVATION	MBA-O-3020	2020-21	Core Course	Master	University Institute of Applied Management Studies Panjab University	4	24-03-2021 00:00:00	31-05-2021 00:00:00	69	40
624	PATENTS AND DRA	MBAPM 4009	2020-21	Core Course	Master	University Institute of Applied Management Studies Panjab University	4	24-03-2021 00:00:00	31-05-2021 00:00:00	69	40

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
625	WORKSHOP ON DEVELOPING ENTREPRENEURIAL SKILLS	MBA-4003	2021-22	Core Course	Master	University Institute of Applied Management Studies Panjab University	2	15-02-2022 00:00:00	13-06-2022 00:00:00	119	20
626	MANAGEMENT OF TECHNOLOGY AND INNOVATION	MBA-O-3020	2020-21	Core Course	Master	University Institute of Applied Management Studies Panjab University	4	15-02-2022 00:00:00	13-06-2022 00:00:00	119	40
627	PATENTS AND DRA	MBAPM 4009	2021-22	Core Course	Master	University Institute of Applied Management Studies Panjab University	4	15-02-2022 00:00:00	13-06-2022 00:00:00	119	40
628	Entrepreneurship Development	ED	2020-21	Core Course	Master	UIFT and VD	2	05-04-2021 00:00:00	30-07-2021 00:00:00	117	36
629	Entrepreneurship Development	ED	2021-22	Core Course	Master	UIFT and VD	2	04-03-2022 00:00:00	14-06-2022 00:00:00	103	30

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
630	BTC- Skill Enhancement Course (SEC) 2 IPR Bioethics and Biosafety	BTC-SEC-2	2020-21	Elective Course	Bachelor	Department of Biotechnology	2	01-01-2021 00:00:00	31-05-2021 00:00:00	151	60
631	BTC- Skill Enhancement Course (SEC) 2 IPR Bioethics and Biosafety	BTC-SEC-2	2021-22	Elective Course	Bachelor	Department of Biotechnology	2	01-01-2022 00:00:00	31-05-2022 00:00:00	151	60
632	BTC-General Elective GE-3 IPR Bioethics and Biosafety	BTC-GE-3	2020-21	Elective Course	Bachelor	Department of Biotechnology	6	03-08-2020 00:00:00	29-01-2021 00:00:00	180	120
633	BTC-General Elective GE-3 IPR Bioethics and Biosafety	BTC-GE-3	2021-22	Elective Course	Bachelor	Department of Biotechnology	6	02-08-2021 00:00:00	31-01-2022 00:00:00	183	120
634	Entrepreneurship Development	MHS(I)Sem-II-III/T&P	2020-21	Core Course	Master	Department of Biotechnology	5	01-01-2021 00:00:00	31-05-2021 00:00:00	151	120
635	Entrepreneurship Development	MHS(I)Sem-II-III/T&P	2021-22	Core Course	Master	Department of Biotechnology	5	01-01-2022 00:00:00	31-05-2022 00:00:00	151	120

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
636	Cyber Laws and IPR	CS 703	2021-22	Core Course	Bachelor	Computer science engineering	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
637	HSMXX X Management (Elective)	HSMXX X	2021-22	Core Course	Bachelor	Computer science engineering	3	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
638	HSMXX X Management (Elective)	HSMXX X	2021-22	Core Course	Bachelor	Computer science engineering	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
639	CS 851 Network Science Structural Analysis and Visualization practical	CS 851	2021-22	Core Course	Bachelor	Computer science engineering	1	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
640	ASC X01 Applied Chemistry	ASC X01	2021-22	Core Course	Bachelor	Electronics and Communication Engineering	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
641	ASC X51 Applied Chemistry (P)	ASC X51	2021-22	Core Course	Bachelor	Electronics and Communication Engineering	1	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
642	ASM 101 Calculus	ASM 101	2021-22	Core Course	Bachelor	ASM 101	5	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
643	ESC X01 Programming for Problem Solving	ESC X01	2021-22	Core Course	Bachelor	Electronics and Communication Engineering	3	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
644	ESC X51 Programming for Problem Solving (P)	ESC X51	2021-22	Core Course	Bachelor	Electronics and Communication Engineering	2	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
645	EC 103 Introduction to Electronics	EC 103	2021-22	Core Course	Bachelor	Electronics and Communication Engineering	3	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
646	EC 153 Introduction to Electronics (P)	EC 153	2021-22	Core Course	Bachelor	Electronics and Communication Engineering	1	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
647	ASM 201 Differential Equations and Transforms	ASM 201	2021-22	Core Course	Bachelor	Electronics and Communication Engineering	5	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
648	EC 203 Digital Design	EC 203	2021-22	Core Course	Bachelor	Electronics and Communication Engineering	3	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
649	EC 204 Electrical Science	EC 204	2021-22	Core Course	Bachelor	Electronics and Communication Engineering	3	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
650	EC 204 Electrical Science	EC 204	2021-22	Core Course	Bachelor	Electronics and Communication Engineering	3	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
651	MATHS301 Linear Algebra and Complex Analysis	MATHS301	2021-22	Core Course	Bachelor	Electronics and Communication Engineering	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
652	EC302 Signals and Systems	EC302	2021-22	Core Course	Bachelor	Electronics and Communication Engineering	3	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
653	EC303 Microprocessor and Applications	EC303	2021-22	Core Course	,Bachelor	Electronics and Communication Engineering	5	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
654	Pharmaceutical Microbiology (Theory)	BP 303T	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	4	01-09-2021 00:00:00	16-12-2021 00:00:00	107	45

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
655	Pharmaceutical Engineering (Theory)	BP 304T	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	4	01-09-2021 00:00:00	16-12-2021 00:00:00	107	45
656	Pharmaceutical Organic Chemistry -II (Practical)	BP 305P	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	2	01-09-2021 00:00:00	16-12-2021 00:00:00	107	60
657	Physical Pharmaceutics I (Practical)	BP 306P	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	2	01-09-2021 00:00:00	16-12-2021 00:00:00	107	60
658	Pharmaceutical Microbiology (Practical)	BP 307P	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	2	01-09-2021 00:00:00	16-12-2021 00:00:00	107	60
659	Pharmaceutical Engineering (Practical)	BP 308P	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	2	01-09-2021 00:00:00	16-12-2021 00:00:00	107	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
660	Pharmaceutical Organic Chemistry III (Theory)	BP 401T	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	45
661	Medicinal Chemistry I (Theory)	BP 402T	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	45
662	Physical Pharmaceutics II (Theory)	BP 403T	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	45
663	Pharmacology I (Theory)	BP 404T	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	45
664	Pharmacognosy and Phytochemistry I (Theory)	BP 405T	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	45

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
665	Medicinal Chemistry I (Practical)	BP 406P	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	2	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
666	Physical Pharmaceutics II (Practical)	BP 407P	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	2	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
667	Pharmacology I (Practical)	BP 408P	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	2	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
668	Pharmacognosy and Phytochemistry I (Practical)	BP 409P	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	2	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
669	Medicinal Chemistry II (Theory)	BP 501T	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	4	01-09-2021 00:00:00	16-12-2021 00:00:00	107	45

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
670	Industrial Pharmacy I (Theory)	BP 502T	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	4	01-09-2021 00:00:00	16-12-2021 00:00:00	107	45
671	Pharmacology-II (Theory)	BP 503T	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	4	01-09-2021 00:00:00	16-12-2021 00:00:00	107	45
672	Pharmacognosy and Phytochemistry II (Theory)	BP 504T	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	4	01-09-2021 00:00:00	16-12-2021 00:00:00	107	45
673	Pharmaceutical Jurisprudence (Theory)	BP 505T	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	4	01-09-2021 00:00:00	16-12-2021 00:00:00	107	45
674	Industrial Pharmacy I (Practical)	BP 506P	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	2	01-09-2021 00:00:00	16-12-2021 00:00:00	107	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
675	Pharmacology-II (Practical)	BP 507P	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	2	01-09-2021 00:00:00	16-12-2021 00:00:00	107	60
676	Pharmacognosy and Phytochemistry II (Practical)	BP 508P	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	4	01-09-2021 00:00:00	16-12-2021 00:00:00	107	60
677	Medicinal Chemistry III (Theory)	BP 601T	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	45
678	Pharmacology-III (Theory)	BP 602T	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	45
679	Herbal Drug Technology (Theory)	BP 603T	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	45

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
680	Biopharmaceutics and Pharmacokinetics (Theory)	BP 604T	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	45
681	Pharmaceutical Biotechnology (Theory)	BP 605T	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	45
682	Pharmaceutical Quality Assurance (Theory)	BP 606T	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	45
683	Medicinal Chemistry-III (Practical)	BP 607P	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	2	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
684	Pharmacology-III (Practical)	BP 608P	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	2	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
685	Herbal Drug Technology (Practical)	BP 609P	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	2	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
686	Instrumental Methods of Analysis (Theory)	BP701T	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	4	01-09-2021 00:00:00	16-12-2021 00:00:00	107	45
687	Industrial Pharmacy II (Theory)	BP 702T	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	4	01-09-2021 00:00:00	16-12-2021 00:00:00	107	45
688	Pharmacy Practice (Theory)	BP 703T	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	4	01-09-2021 00:00:00	16-12-2021 00:00:00	107	45
689	Novel Drug Delivery Systems (Theory)	BP 704T	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	4	01-09-2021 00:00:00	16-12-2021 00:00:00	107	45

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
690	Instrumental Methods of Analysis (Practical)	BP705P	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	4	01-09-2021 00:00:00	16-12-2021 00:00:00	107	60
691	Biostatisitcs And Research Methodology (Theory)	BP801T	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
692	Social and Preventive Pharmacy (Theory)	BP 802T	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	45
693	Pharmacovigilance Theory	BP805ET	2021-22	Elective Course	Bachelor	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	45
694	Quality Control and Standardization of Herbals Theory	BP806ET	2021-22	Elective Course	Bachelor	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	45

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
695	Computer Aided Drug Design Theory	BP807ET	2021-22	Elective Course	Bachelor	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	45
696	Cell and Molecular Biology Theory	BP808ET	2021-22	Elective Course	Bachelor	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	45
697	Cosmetic Science Theory	BP809ET	2021-22	Elective Course	Bachelor	4	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	45
698	Advanced Instrumentation Techniques Theory	BP811ET	2021-22	Elective Course	Bachelor	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	45
699	Electronic Devices and Circuits	EC307	2021-22	Core Course	Bachelor	Electronics and Communication Engineering	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
700	Electronics Measurements and Instrumentation	EC306	2021-22	Core Course	Bachelor	Electronics and Communication Engineering	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
701	EC401 Communication Engineering	EC401	2021-22	Core Course	Bachelor	Electronics and Communication Engineering	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
702	Dietary Supplements and Nutraceuticals	BP812ET	2021-22	Elective Course	Bachelor	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	45
703	Pharmaceutical Product Development	BP813ET	2021-22	Elective Course	Bachelor	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	45
704	Modern Pharmaceutical Analytical Techniques	MPH 101T	2021-22	Core Course	Bachelor	University Institute of Pharmaceutical Sciences	4	23-09-2021 00:00:00	27-12-2021 00:00:00	96	60
705	Drug Delivery Systems	MPH 102T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	23-09-2021 00:00:00	27-12-2021 00:00:00	96	60
706	Modern Pharmaceutics	MPH 103T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	23-09-2021 00:00:00	27-12-2021 00:00:00	96	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
707	Regulatory Affairs	MPH 104T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	23-09-2021 00:00:00	27-12-2021 00:00:00	96	60
708	Pharmaceutics Practical I	MPH 105P	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	6	23-09-2021 00:00:00	27-12-2021 00:00:00	96	60
709	Molecular Pharmaceutics (Nano Technology and Targeted Dds) (Ntds)	MPH 201T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
710	Advanced Biopharmaceutics and Pharmacokinetics	MPH 202T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
711	Computer Aided Drug Development	MPH 203T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
712	Cosmetics And Cosmeceuticals	MPH 204T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
713	Pharmaceutics Practical II	MPH 205P	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	6	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
714	Research Methodology And Biostatistics	MRM301T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	6	23-09-2021 00:00:00	27-12-2021 00:00:00	96	60
715	Modern Pharmaceutical Analytical Techniques	MPL 101T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	23-09-2021 00:00:00	27-12-2021 00:00:00	96	60
716	Advanced Pharmacology I	MPL 102T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	23-09-2021 00:00:00	27-12-2021 00:00:00	96	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
717	Pharmacological And Toxicological Screening Methods - I	MPL 103T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	23-09-2021 00:00:00	27-12-2021 00:00:00	96	60
718	Cellular And Molecular Pharmacology	MPL 104T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	23-09-2021 00:00:00	27-12-2021 00:00:00	96	60
719	Pharmacology Practical - I	MPL 105P	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
720	Advanced Pharmacology II	MPL 201T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
721	Pharmacological And Toxicological Screening Methods- II	MPL 202T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
722	EC402 Microcontroller and Interfacing	EC402	2021-22	Core Course	Bachelor	Electronics and Communication Engineering	3	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
723	EC405 Computer Networks	EC405	2021-22	Core Course	Bachelor	Electronics and Communication Engineering	3	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
724	EC406 Analog Electronic Circuits	EC406	2021-22	Core Course	Bachelor	Electronics and Communication Engineering	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
725	Principles Of Drug Discovery	MPL 203T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
726	Clinical Research And Pharmacovigilance	MPL 204T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
727	Pharmacology Practical II	MPL 205P	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	6	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
728	Research Methodology And Biostatistics	MRM301T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	23-09-2021 00:00:00	27-12-2021 00:00:00	96	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
729	EC407 Probability and Random Processes	EC407	2021-22	Core Course	Bachelor	Electronics and Communication Engineering	3	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
730	Modern Pharmaceutical Analytical Techniques	MPG 101T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	23-09-2021 00:00:00	27-12-2021 00:00:00	96	60
731	Advanced Pharmacognosy I	MPG 102T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	23-09-2021 00:00:00	27-12-2021 00:00:00	96	60
732	Phytochemistry	MPG 103T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	23-09-2021 00:00:00	27-12-2021 00:00:00	96	60
733	EC408 Electromagnetic Theory	EC408	2021-22	Core Course	Bachelor	Electronics and Communication Engineering	3	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
734	Industrial Pharmacognostical Technology	MPG 104T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	23-09-2021 00:00:00	27-12-2021 00:00:00	96	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
735	Pharmacognosy Practical I	MPG I05P	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	6	23-09-2021 00:00:00	27-12-2021 00:00:00	96	60
736	Medicinal Plant Biotechnology	MPG 201T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	23-09-2021 00:00:00	27-12-2021 00:00:00	96	60
737	EC501 VLSI Design	EC501	2021-22	Core Course	,Bachelor	Electronics and Communication Engineering	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
738	EC502 Digital Signal Processing	EC502	2021-22	Core Course	,Bachelor	Electronics and Communication Engineering	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
739	EC503 Antennas and Wave Propagation	EC503	2021-22	Core Course	,Bachelor	Electronics and Communication Engineering	3	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
740	EC505 Digital System Design	EC505	2021-22	Core Course	,Bachelor	Electronics and Communication Engineering	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
741	Advanced Organic Chemistry I	MPC 102T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	23-09-2021 00:00:00	27-12-2021 00:00:00	96	60
742	Advanced Medicinal Chemistry	MPC 103T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	23-09-2021 00:00:00	27-12-2021 00:00:00	96	60
743	Chemistry Of Natural Products	MPC 104T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	23-09-2021 00:00:00	27-12-2021 00:00:00	96	60
744	Pharmaceutical Chemistry Practical - I	MPC 105P	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	23-09-2021 00:00:00	27-12-2021 00:00:00	96	60
745	Advanced Spectral Analysis	MPC 201T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	6	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
746	Advanced Organic Chemistry - II	MPC 202T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
747	Computer Aided Drug Design	MPC 203T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
748	Pharmaceutical Process Chemistry	MPC 204T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
749	Pharmaceutical Chemistry Practicals II	MPC 205P	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
750	Research Methodology And Biostatistics	MRM301T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
751	EC506 Advanced Microcontrollers and Applications	EC506	2021-22	Core Course	,Bachelor	Electronics and Communication Engineering	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
752	EC601 Microwave and Radar Engineering	EC601	2021-22	Core Course	,Bachelor	Electronics and Communication Engineering	3	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
753	EC602 Fiber Optic Communication Systems	EC602	2021-22	Core Course	Bachelor	Electronics and Communication Engineering	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
754	EC603 Digital Communication	EC603	2021-22	Core Course	Bachelor	Electronics and Communication Engineering	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
755	EC624 Control Systems	EC624	2021-22	Core Course	Bachelor	Electronics and Communication Engineering	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
756	EC625 Power Electronics	EC625	2021-22	Core Course	Bachelor	Electronics and Communication Engineering	3	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
757	EC710 Wireless and Mobile Communication	EC710	2021-22	Core Course	Bachelor	Electronics and Communication Engineering	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
758	Embedded System Design	EC701	2021-22	Core Course	Bachelor	Electronics and Communication Engineering	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
759	Operation Research EC702	EC702	2021-22	Elective Course	Bachelor	Electronics and Communication Engineering	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
760	Operating Systems EC711	EC711	2021-22	Elective Course	Bachelor	Electronics and Communication Engineering	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
761	Nano Technology EC703	EC703	2021-22	Elective Course	Bachelor	Electronics and Communication Engineering	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
762	Adaptive Signal Processing EC723	EC723	2021-22	Elective Course	,Bachelor	Electronics and Communication Engineering	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
763	Computer Architecture and Organization EC704	EC704	2021-22	Elective Course	,Bachelor	Electronics and Communication Engineering	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
764	Computer Architecture and Organization EC704	EC704	2021-22	Elective Course	,Bachelor	Electronics and Communication Engineering	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
765	Artificial Intelligence EC705	EC705	2021-22	Elective Course	Bachelor	Electronics and Communication Engineering	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
766	High Speed Semiconductor Devices AND Circuits EC706	EC706	2021-22	Elective Course	Bachelor	Electronics and Communication Engineering	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
767	Digital Image Processing EC808	EC808	2021-22	Elective Course	Bachelor	Electronics and Communication Engineering	5	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
768	Advanced Digital Communication EC809	EC809	2021-22	Elective Course	Bachelor	Electronics and Communication Engineering	5	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
769	Neural Networks AND Fuzzy Logic EC810	EC810	2021-22	Elective Course	Bachelor	Electronics and Communication Engineering	5	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
770	HDL based Systems EC802	EC802	2021-22	Elective Course	Bachelor	Electronics and Communication Engineering	5	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
771	Wireless Sensor Networks EC815	EC815	2021-22	Elective Course	Bachelor	Electronics and Communication Engineering	5	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
772	MEMS and Microsystems EC814	EC814	2021-22	Elective Course	Bachelor	Electronics and Communication Engineering	5	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
773	MEMS and Microsystems EC814	EC814	2021-22	Elective Course	Bachelor	Electronics and Communication Engineering	5	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
774	Imaging and Additive Manufacturing EC804	EC804	2021-22	Elective Course	Bachelor	Electronics and Communication Engineering	5	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
775	Advanced Digital Signal Processing EC801	EC801	2021-22	Elective Course	Bachelor	Electronics and Communication Engineering	5	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
776	High Voltage AC-DC	EE 704	2021-22	Core Course	Bachelor	Electrical AND Electronics Engineering	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
777	Sensors based Application Systems	EE 852	2021-22	Core Course	,Bachelor	Electrical AND Electronics Engineering	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
778	Electric Machiery-I	EE 302	2021-22	Core Course	,Bachelor	Electrical AND Electronics Engineering	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
779	Network Analysis and Synthesis	EE 301	2021-22	Core Course	,Bachelor	Electrical AND Electronics Engineering	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
780	Analog and Digital Electronics	EE 353	2021-22	Core Course	Bachelor	Electrical and Electronics Engineering	1	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
781	Electric Machinery-I Lab	EE 352	2021-22	Core Course	,Bachelor	Electrical and Electronics Engineering	1	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
782	Network Analysis and Synthesis Lab	EE 351	2021-22	Core Course	,Bachelor	Electrical and Electronics Engineering	1	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
783	Analog and Digital Electronics Lab	EE 354	2021-22	Core Course	,Bachelor	Electrical and Electronics Engineering	1	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
784	Electric Machinery-II	EE 401	2021-22	Core Course	Bachelor	Electrical and Electronics Engineering	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
785	Control Engineering	EE 403	2021-22	Core Course	Bachelor	Electrical and Electronics Engineering	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
786	Power Systems-I	EE 402	2021-22	Core Course	Bachelor	Electrical and Electronics Engineering	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
787	Microprocessor and Interfacing	EE 404	2021-22	Core Course	Bachelor	Electrical and Electronics Engineering	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
788	Electric Machinery-II Lab	EE 451	2021-22	Core Course	Bachelor	Electrical and Electronics Engineering	1	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
789	Control Engg Lab	EE 453	2021-22	Core Course	Bachelor	Electrical and Electronics Engineering	1	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
790	Power Systems-I Lab	EE 454	2021-22	Core Course	Bachelor	Electrical and Electronics Engineering	1	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
791	Microprocessor and Interfacing Lab	EE 455	2021-22	Core Course	Bachelor	Electrical and Electronics Engineering	1	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
792	Power Systems-II	EE 502	2021-22	Core Course	Bachelor	Electrical and Electronics Engineering	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
793	Communication Engg	EE 554	2021-22	Core Course	Bachelor	Electrical and Electronics Engineering	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
794	Electromagnetic Filed Theory	EE 504	2021-22	Core Course	,Bachelor	Electrical and Electronics Engineering	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
795	Control Engineering-II	EE 502	2021-22	Core Course	,Bachelor	Electrical and Electronics Engineering	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
796	Micro Controllers	EE 404	2021-22	Core Course	,Bachelor	Electrical and Electronics Engineering	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
797	Power Systems-II Lab	Ee 551	2021-22	Core Course	,Bachelor	Electrical and Electronics Engineering	1	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
798	Communication Engg Lab	EE 554	2021-22	Core Course	,Bachelor	Electrical and Electronics Engineering	1	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
799	Control Engineering-II Lab	Ee 552	2021-22	Core Course	,Bachelor	Electrical and Electronics Engineering	1	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
800	Micro Controllers Lab	EE 553	2021-22	Core Course	Bachelor	Electrical and Electronics Engineering	2	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
801	Computer Aided Power Systems Analysis	EE 601	2021-22	Core Course	Bachelor	Electrical and Electronics Engineering	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
802	Power Electronics	EE 602	2021-22	Core Course	Bachelor	Electrical and Electronics Engineering	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
803	Programmable Logic Controller and Distributed Control System	EE 603	2021-22	Core Course	,Bachelor	Electrical AND Electronics Engineering	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
804	Signals and Systems	EE 604	2021-22	Core Course	Bachelor	Electrical AND Electronics Engineering	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
805	Energy Management AND auditing	EE 605	2021-22	Core Course	Bachelor	Electrical AND Electronics Engineering	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
806	Computer Aided Power Systems Analysis Lab	EE 651	2021-22	Core Course	Bachelor	Electrical AND Electronics Engineering	2	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
807	Power Electronics Lab	Ee 652	2021-22	Core Course	Bachelor	Electrical AND Electronics Engineering	2	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
808	Programmable Logic Controller and Distributed Control System Lab	EE 653	2021-22	Core Course	Bachelor	Electrical AND Electronics Engineering	2	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
809	Programmable Logic Controller and Distributed Control System Lab	EE 653	2021-22	Core Course	Bachelor	Electrical AND Electronics Engineering	2	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
810	Energy Management AND auditing Lab	Ee 654	2021-22	Core Course	Bachelor	Electrical AND Electronics Engineering	2	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
811	Digital Signal Processing	EE-708	2021-22	Core Course	Bachelor	Electrical AND Electronics Engineering	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
812	Electrical Traction	EE-709 (i)	2021-22	Core Course	Bachelor	Electrical AND Electronics Engineering	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
813	Electrical Power Generation	EE-709 (ii)	2021-22	Core Course	,Bachelor	Electrical AND Electronics Engineering	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
814	Electrical utilization and illumination	EE-709 (iii)	2021-22	Core Course	,Bachelor	Electrical AND Electronics Engineering	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
815	Electrical Insulation in Power Apparatus AND Systems	EE-711	2021-22	Core Course	,Bachelor	Electrical AND Electronics Engineering	2	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
816	Digital Signal Processing Lab	EE-758	2021-22	Core Course	,Bachelor	Electrical AND Electronics Engineering	2	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
817	Power Electronic and Drives Lab	EE-760	2021-22	Core Course	,Bachelor	Electrical AND Electronics Engineering	2	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
818	Non Conventional Energy Sources	EE-801	2021-22	Core Course	Bachelor	Electrical AND Electronics Engineering	2	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
819	FACTS	EE-808 (iii)	2021-22	Core Course	Bachelor	Electrical AND Electronics Engineering	2	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
820	Embedded System Design	EE-808 (iv)	2021-22	Core Course	Bachelor	Electrical AND Electronics Engineering	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
821	Electrical Machine Design	EE-808(i)	2021-22	Core Course	Bachelor	Electrical AND Electronics Engineering	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
822	Wireless Communication	EE-809	2021-22	Core Course	Bachelor	Electrical AND Electronics Engineering	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
823	Cyber Laws and IPR	EE-810 (i)	2021-22	Core Course	Bachelor	Electrical AND Electronics Engineering	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
824	Financial Management	EE-810 (iii)	2021-22	Core Course	Bachelor	Electrical AND Electronics Engineering	2	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
825	Entrepreneurship and Project Management	EE-810 (iv)	2021-22	Core Course	Bachelor	Electrical AND Electronics Engineering	2	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
826	Industrial Training	EE-850	2021-22	Core Course	Bachelor	Electrical AND Electronics Engineering	2	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
827	Wireless Communication (Lab)	EE-859	2021-22	Core Course	Bachelor	Electrical AND Electronics Engineering	2	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
828	Introduction to Psychology	HSS302	2021-22	Core Course	Bachelor	Electrical AND Electronics Engineering	2	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
829	Sociology	HSS303	2021-22	Core Course	,Bachelor	Electrical AND Electronics Engineering	2	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
830	Numerical Analysis	HSS301 (d)	2021-22	Core Course	Diploma,Bachelor	Electrical AND Electronics Engineering	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
831	Linear Algebra and Complex Analysis	MATHS301	2021-22	Core Course	Bachelor	Electrical AND Electronics Engineering	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
832	Advanced Pharmacognosy II	MPG 202T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
833	Indian Systems Of Medicine	MPG 203T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60

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834	Herbal Cosmetics	MPG 204T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
835	Herbal Cosmetics Practicals	MPG 205P	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	6	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
836	Research Methodology And Biostatistics	MRM301T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	23-09-2021 00:00:00	27-12-2021 00:00:00	96	60
837	Modern Pharmaceutical Analytical Techniques	MPA101T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	23-09-2021 00:00:00	27-12-2021 00:00:00	96	60
838	Advanced Pharmaceutical Analysis	MPA 102T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	23-09-2021 00:00:00	27-12-2021 00:00:00	96	60

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839	Pharmaceutical Validation	MPA 103T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	23-09-2021 00:00:00	27-12-2021 00:00:00	96	60
840	Food Analysis	MPA 104T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	23-09-2021 00:00:00	27-12-2021 00:00:00	96	60
841	Pharmaceutical Analysis Practical Ii	MPA 105P	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	23-09-2021 00:00:00	27-12-2021 00:00:00	96	60
842	Research Methodology And Biostatistics	MRM301T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	23-09-2021 00:00:00	27-12-2021 00:00:00	96	60
843	Modern Pharmaceutical Analytical Techniques	MQA 101T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	23-09-2021 00:00:00	27-12-2021 00:00:00	96	60

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844	Quality Management Systems	MQA 102T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	23-09-2021 00:00:00	27-12-2021 00:00:00	96	60
845	Pharmaceutical Validation	MQA 103T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	23-09-2021 00:00:00	27-12-2021 00:00:00	96	60
846	Product Development And Technology Transfer	MQA 104T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	23-09-2021 00:00:00	27-12-2021 00:00:00	96	60
847	Math-3	Math-3	2021-22	Core Course	Bachelor	Electrical and Electronics Engineering	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
848	Theory of Machines-I	MEC-303	2021-22	Core Course	,Bachelor	Mechanical Engineering	3	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
849	Machine Drawing	MEC-304	2021-22	Core Course	Bachelor	Mechanical Engineering	3	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
850	Manufacturing Processes	MEC-305	2021-22	Core Course	,Bachelor	Mechanical Engineering	3	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
851	Theory of Machines-I Lab	MEC-353	2021-22	Core Course	Bachelor	Mechanical Engineering	1	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
852	Pharmaceutical Quality Assurance Practical I	MQA 105P	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	6	23-09-2021 00:00:00	27-12-2021 00:00:00	96	60
853	Hazards And Safety Management	MQA 201T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
854	Audits And Regulatory Compliance	MQA 202T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
855	Quality Control And Quality Assurance	MQA 203T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60

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856	Pharmaceutical Manufacturing Technology	MQA 204T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
857	Manufacturing Processes	MEC-305	2021-22	Core Course	Bachelor	Mechanical Engineering	1	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
858	Research Methodology And Biostatistics	MRM301T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	6	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
859	Research Methodology And Biostatistics	MRM301T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	6	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
860	Techniques in Pharmaceutical Sciences	Paper-I	2021-22	Core Course	PhD	University Institute of Pharmaceutical Sciences	3	23-09-2021 00:00:00	27-12-2021 00:00:00	96	60
861	Research Methodology and Biostatistics	Paper-II	2021-22	Core Course	PhD	University Institute of Pharmaceutical Sciences	3	23-09-2021 00:00:00	27-12-2021 00:00:00	96	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
862	Subject specific pertaining to Pharmaceutical chemistry Pharmaceutics Pharmacognosy and Pharmacology	Paper-III	2021-22	Core Course	PhD	University Institute of Pharmaceutical Sciences	3	23-09-2021 00:00:00	27-12-2021 00:00:00	96	60
863	Advanced Instrumental Analysis	MPA 201T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
864	Modern Bio-Analytical Techniques	MPA 202T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
865	Quality Control And Quality Assurance	MPA 203T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
866	Herbal And Cosmetic Analysis	MPA 204T	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	4	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
867	Pharmaceutical Analysis Practical I	MPA 205P	2021-22	Core Course	Master	University Institute of Pharmaceutical Sciences	6	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
868	Numerical Analysis	MEC406	2021-22	Core Course	Bachelor	Mechanical Engineering	3	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
869	Industrial Chemistry of Fuels	CHE-SEC1	2020-21	Core Course	Bachelor	Department of Chemistry PU Chandigarh	1	02-11-2020 00:00:00	27-02-2021 00:00:00	118	30
870	Basic Analytical Chemistry	. CHE-SEC2	2020-21	Core Course	Bachelor	Department of Chemistry PU Chandigarh	1	02-11-2020 00:00:00	27-02-2021 00:00:00	118	30
871	Pesticide Chemistry	CHE-SEC3	2020-21	Core Course	Bachelor	Department of Chemistry PU Chandigarh	1	02-11-2020 00:00:00	27-02-2021 00:00:00	118	30
872	Robotics	MEC-503	2021-22	Core Course	Bachelor	Mechanical Engineering	3	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
873	Pharmaceutical Chemistry	CHE-SEC4	2020-21	Core Course	Bachelor	Department of Chemistry PU Chandigarh	1	05-04-2021 00:00:00	30-07-2021 00:00:00	117	30

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
874	Chemical Technology and Society	CHE-SEC5	2020-21	Core Course	Bachelor	Department of Chemistry PU Chandigarh	1	05-04-2021 00:00:00	30-07-2021 00:00:00	117	30
875	Mechanical Measurement	MEC-504	2021-22	Core Course	Bachelor	Mechanical Engineering	3	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
876	Chemistry of Cosmetics and Perfumes	CHE-SEC6	2020-21	Core Course	Bachelor	Department of Chemistry PU Chandigarh	1	05-04-2021 00:00:00	30-07-2021 00:00:00	117	30
877	Green Chemistry	CHE-DSE1	2020-21	Elective Course	Bachelor	Department of Chemistry PU Chandigarh	1	02-11-2020 00:00:00	27-02-2021 00:00:00	118	60
878	Analytical Methods in Chemistry	CHE-DSE2	2020-21	Elective Course	Bachelor	Department of Chemistry PU Chandigarh	1	02-11-2020 00:00:00	27-02-2021 00:00:00	118	60
879	Inorganic Materials of Industrial Importance	CHE-DSE3	2020-21	Elective Course	Bachelor	Department of Chemistry PU Chandigarh	1	02-11-2020 00:00:00	27-02-2021 00:00:00	118	60
880	Polymer Chemistry	CHE-DSE4	2021-22	Elective Course	Bachelor	Department of Chemistry PU Chandigarh	1	02-11-2020 00:00:00	27-02-2021 00:00:00	118	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
881	Manufacturing Technology-II	MEC-404	2021-22	Core Course	Bachelor	Mechanical Engineering	3	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
882	Fluid Machinery	MEC-506	2021-22	Core Course	Bachelor	Mechanical Engineering	1	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
883	Design of Machine Elements-I Practice	MEC-551	2021-22	Core Course	Bachelor	Mechanical Engineering	1	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
884	Applications of Computers in Chemistry	CHE-DSE5	2020-21	Elective Course	Bachelor	CHE-DSE5Department of Chemistry PU Chandigarh	1	05-04-2021 00:00:00	30-07-2021 00:00:00	117	60
885	Scientific Research Methodology	CHPH-1	2020-21	Core Course	PhD	Department of Chemistry PU Chandigarh	1	05-04-2021 00:00:00	30-07-2021 00:00:00	117	60
886	Instrumental Method	CHPH-3	2020-21	Elective Course	PhD	Department of Chemistry PU Chandigarh	1	02-11-2020 00:00:00	27-02-2021 00:00:00	118	60
887	Basic Analytical Chemistry	CHE-SEC2	2021-22	Core Course	Bachelor	Department of Chemistry PU Chandigarh	1	01-09-2021 00:00:00	16-12-2021 00:00:00	107	30

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
888	Pesticide Chemistry	CHE-SEC3	2021-22	Core Course	Bachelor	Department of Chemistry PU Chandigarh	1	01-09-2021 00:00:00	16-12-2021 00:00:00	107	30
889	Pharmaceutical Chemistry	CHE-SEC4	2021-22	Core Course	Bachelor	Department of Chemistry PU Chandigarh	1	03-02-2022 00:00:00	25-05-2022 00:00:00	112	30
890	Chemical Technology and Society	CHE-SEC5	2021-22	Core Course	Bachelor	Department of Chemistry PU Chandigarh	1	03-02-2022 00:00:00	25-05-2022 00:00:00	112	30
891	Chemistry of Cosmetics and Perfumes	CHE-SEC6	2021-22	Core Course	Bachelor	Department of Chemistry PU Chandigarh	1	03-02-2022 00:00:00	25-05-2022 00:00:00	112	30
892	Green Chemistry	CHE-DSE1	2021-22	Elective Course	Bachelor	Department of Chemistry PU Chandigarh	1	01-09-2021 00:00:00	16-12-2021 00:00:00	107	60
893	Analytical Methods in Chemistry	CHE-DSE2	2021-22	Elective Course	Bachelor	Department of Chemistry PU Chandigarh	1	01-09-2021 00:00:00	16-12-2021 00:00:00	107	60
894	Inorganic Materials of Industrial Importance	CHE-DSE3	2021-22	Elective Course	Bachelor	Department of Chemistry PU Chandigarh	1	01-09-2021 00:00:00	16-12-2021 00:00:00	107	60

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
895	Polymer Chemistry	CHE-DSE4	2021-22	Elective Course	Bachelor	Department of Chemistry PU Chandigarh	1	01-09-2021 00:00:00	16-12-2021 00:00:00	107	60
896	Applications of Computers in Chemistry	CHE-DSE5	2021-22	Elective Course	Bachelor	Department of Chemistry PU Chandigarh	1	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
897	Scientific Research Methodology	CHPH-1	2021-22	Core Course	PhD	Department of Chemistry PU Chandigarh	1	03-02-2022 00:00:00	25-05-2022 00:00:00	112	60
898	Instrumental Method	CHPH-3	2021-22	Core Course	PhD	Department of Chemistry PU Chandigarh	1	01-09-2021 00:00:00	16-12-2021 00:00:00	107	60
899	CAD CAM Lab	MEC-552	2021-22	Core Course	Bachelor	Mechanical Engineering	1	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
900	Robotics Lab	MEC-553	2021-22	Core Course	Bachelor	Mechanical Engineeringq	3	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
901	Mechanical Measurement Lab	MEC-554	2021-22	Core Course	Bachelor	Mechanical Engineering	1	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
902	Manufacturing Technology-II Lab	MEC-454	2021-22	Core Course	Bachelor	Mechanical Engineering	3	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
903	Fluid Machinery Lab	MEC-556	2021-22	Core Course	Bachelor	Mechanical Engineering	3	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
904	Finite Elements Methods	MEC-602	2021-22	Core Course	Bachelor	Mechanical Engineering	3	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
905	Mechanical Vibrations	MEc-603	2021-22	Core Course	Bachelor	Mechanical Engineering	3	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
906	Heat Transfer	MEC-604	2021-22	Core Course	Bachelor	Mechanical Engineering	3	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
907	Mechanical Vinraitons Lab	MEC-653	2021-22	Core Course	Bachelor	Mechanical Engineering	1	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
908	Heat Transfer Lab	MEC-654	2021-22	Core Course	Bachelor	Mechanical Engineering	1	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
909	Refrigeration and Air Conditioning	MEC-701	2021-22	Core Course	Bachelor	Mechanical Engineering	3	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
910	Automatic Controls	MEC-702	2021-22	Core Course	Bachelor	Mechanical Engineering	3	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
911	Wireless Communication (Theory)	IT502	2021-22	Core Course	Bachelor	INFORMATION TECHNOLOGY ENGG	5	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
912	Database Management Systems (Theory)	IT501	2021-22	Core Course	Bachelor	INFORMATION TECHNOLOGY ENGG	5	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
913	Discrete Structures (Theory)	MATHS-403	2021-22	Core Course	Bachelor	INFORMATION TECHNOLOGY ENGG	5	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
914	Economics (Theory)	HSS-401a	2021-22	Core Course	Bachelor	INFORMATION TECHNOLOGY ENGG	5	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
915	Natural Language Processing (Theory)	ITE 847	2021-22	Core Course	Bachelor	INFORMATION TECHNOLOGY ENGG	5	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
916	Linear Algebra and Probability Theory	MATHS-303	2021-22	Core Course	Bachelor	INFORMATION TECHNOLOGY ENGG	5	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
917	Introduction to Electronics	EC202	2021-22	Core Course	Bachelor	INFORMATION TECHNOLOGY ENGG	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
918	Digital Image Processing (Theory)	IT801	2021-22	Core Course	Bachelor	INFORMATION TECHNOLOGY ENGG	3	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
919	Differential Equations and Transforms	ASM 201	2021-22	Core Course	,Bachelor	INFORMATION TECHNOLOGY ENGG	3	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
920	Cloud Computing (Theory)	IT803a	2021-22	Core Course	Bachelor	INFORMATION TECHNOLOGY ENGG	3	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
921	Introduction to Information Technology	ITC 101	2021-22	Core Course	,Bachelor	INFORMATION TECHNOLOGY ENGG	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
922	Software Engineering (Theory)	IT605d	2021-22	Core Course	,Bachelor	INFORMATION TECHNOLOGY ENGG	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
923	Multimedia System (Theory)	IT704b	2021-22	Core Course	,Bachelor	INFORMATION TECHNOLOGY ENGG	3	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
924	Operating System (Theory)	IT403	2021-22	Core Course	,Bachelor	INFORMATION TECHNOLOGY ENGG	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
925	Sociology (Theory)Sociology (Theory)	HSS-401c	2021-22	Core Course	,Bachelor	INFORMATION TECHNOLOGY ENGG	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
926	Seminar	IT807	2021-22	Core Course	,Bachelor	INFORMATION TECHNOLOGY ENGG	3	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
927	Data Structures (Theory)	IT302	2021-22	Core Course	Bachelor	INFORMATION TECHNOLOGY ENGG	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
928	Embedded System Design (Practical)	IT802	2021-22	Core Course	Bachelor	INFORMATION TECHNOLOGY ENGG	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
929	Oscillation and optics	APH 101/ APH 201	2021-22	Core Course	Bachelor	INFORMATION TECHNOLOGY ENGG	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
930	Digital Signal Processing (Theory)	IT701	2021-22	Core Course	Bachelor	INFORMATION TECHNOLOGY ENGG	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
931	Industrial Training (After 4th Semester	IT506	2021-22	Core Course	Bachelor	INFORMATION TECHNOLOGY ENGG	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
932	Educational Tour	IT405	2021-22	Core Course	Bachelor	INFORMATION TECHNOLOGY ENGG	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
933	Microprocessor and Assembly Language Programming (Theory)	IT401	2021-22	Core Course	Bachelor	INFORMATION TECHNOLOGY ENGG	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
934	Industrial Training	IT807	2021-22	Core Course	Bachelor	INFORMATION TECHNOLOGY ENGG	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
935	Computer Architecture and Organization (Theory)	IT304	2021-22	Core Course	,Bachelor	INFORMATION TECHNOLOGY ENGG	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
936	Soft Computing (Theory)	ITE845	2021-22	Core Course	,Bachelor	INFORMATION TECHNOLOGY ENGG	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
937	Introduction to Environmental Science	GS101	2021-22	Core Course	,Bachelor	INFORMATION TECHNOLOGY ENGG	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
938	Industrial Training (after 6th Semester)	IT706	2021-22	Core Course	,Bachelor	INFORMATION TECHNOLOGY ENGG	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
939	Innovative product design	IPD201	2021-22	Core Course	Bachelor	BIOTECH ENGG	5	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
940	Communication Skills	HSS202	2021-22	Core Course	Bachelor	BIOTECH ENGG	5	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
941	1 Basic Biology	ESBT101	2021-22	Core Course	Bachelor	BIOTECH ENGG	5	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
942	Workshop Practice	ESC X53	2021-22	Core Course	Bachelor	BIOTECH ENGG	5	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
943	Oscillation and optics	APH 101/ APH 201	2021-22	Core Course	Bachelor	BIOTECH ENGG	5	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
944	Fundamentals of Biotechnology and Bioengineering	BIO202	2021-22	Core Course	Bachelor	BIOTECH ENGG	5	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
945	Differential Equations and Transforms	ASM 201	2021-22	Core Course	Bachelor	BIOTECH ENGG	5	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
946	Calculus	ASM101	2021-22	Core Course	Bachelor	BIOTECH ENGG	5	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
947	Computer Programming	CS104	2021-22	Core Course	Bachelor	BIOTECH ENGG	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
948	Basic Biotechnology	BIO201	2021-22	Core Course	Bachelor	BIOTECH ENGG	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
949	Compiler Design (Theory)	IT703	2021-22	Core Course	Bachelor	INFORMATION TECHNOLOGY ENGG	5	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
950	Ethics and Self-Awareness	HSS101	2021-22	Core Course	Bachelor	INFORMATION TECHNOLOGY ENGG	5	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
951	Project-1	IT705	2021-22	Core Course	Bachelor	INFORMATION TECHNOLOGY ENGG	5	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
952	Workshop Practice	ESC X53	2021-22	Core Course	Bachelor	INFORMATION TECHNOLOGY ENGG	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
953	Java Technologies (Theory)	IT505a	2021-22	Core Course	Bachelor	INFORMATION TECHNOLOGY ENGG	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
954	Digital Electronics (Theory)	IT303	2021-22	Core Course	Bachelor	INFORMATION TECHNOLOGY ENGG	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
955	Project-II	IT806	2021-22	Core Course	Bachelor	INFORMATION TECHNOLOGY ENGG	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
956	Russian Language	HSS-401(d)	2021-22	Core Course	Bachelor	INFORMATION TECHNOLOGY ENGG	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
957	Web and Open Source Technologies (Practical)	IT404	2021-22	Core Course	Bachelor	INFORMATION TECHNOLOGY ENGG	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
958	Design and Analysis of Algorithms(Theory)	IT504	2021-22	Core Course	Bachelor	INFORMATION TECHNOLOGY ENGG	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
959	Artificial Intelligence (Theory)	IT604	2021-22	Core Course	Bachelor	INFORMATION TECHNOLOGY ENGG	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
960	Communication Skills	HSS202	2021-22	Core Course	Bachelor	INFORMATION TECHNOLOGY ENGG	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
961	Embedded System Design (Theory)	IT802	2021-22	Core Course	Bachelor	INFORMATION TECHNOLOGY ENGG	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
962	Innovative product design	IPD201	2021-22	Core Course	Bachelor	INFORMATION TECHNOLOGY ENGG	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
963	Theory of Computation (Theory)	IT603	2021-22	Core Course	Bachelor	INFORMATION TECHNOLOGY ENGG	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
964	Introduction to Psychology (Theory)Introduction to Psychology (Theory)	HSS-401b	2021-22	Core Course	Bachelor	INFORMATION TECHNOLOGY ENGG	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
965	Computer Networks (Theory)IT402	IT402	2021-22	Core Course	Bachelor	INFORMATION TECHNOLOGY ENGG	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
966	Computer Graphics (Theory)	IT605b	2021-22	Core Course	Bachelor	INFORMATION TECHNOLOGY ENGG	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
967	Network Security and Cryptography (Theory)	IT503	2021-22	Core Course	Bachelor	INFORMATION TECHNOLOGY ENGG	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
968	Calculus	ASM 101	2021-22	Core Course	Bachelor	INFORMATION TECHNOLOGY ENGG	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
969	Agile Software Development (Theory)	IT602	2021-22	Core Course	Bachelor	INFORMATION TECHNOLOGY ENGG	3	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
970	Automatic Controls Lab	MEC-752	2021-22	Core Course	Bachelor	Mechanical Engineering	1	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
971	Refrigeration and air conditioning Lab	MEC-751	2021-22	Core Course	Bachelor	Mechanical Engineering	1	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
972	Total Quality Management	MEC704j	2021-22	Core Course	Bachelor	Mechanical Engineering	3	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
973	Power Electronic and Drives	EE-710	2021-22	Core Course	Bachelor	Electrical and Electronics Engineering	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
974	Marketing Management	EE-810 (ii)	2021-22	Core Course	Bachelor	Electrical and Electronics Engineering	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
975	Numerical Analysis	HSS301 (d)	2021-22	Core Course	Bachelor	Electrical and Electronics Engineering	4	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
976	Linear Algebra and Complex Analysis	MATHS301	2021-22	Core Course	Bachelor	Electrical and Electronics Engineering	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
977	Mechanics of Materials I	MEC-302	2021-22	Core Course	Bachelor	Mechanical Engineering	3	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
978	Finite Elements Methods Lab	MEC-652	2021-22	Core Course	Bachelor	Mechanical Engineering	1	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
979	Design of Machine Elements-II	MEC-601	2021-22	Core Course	Bachelor	Mechanical Engineering	1	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
980	CAD CAM (Computer Aided Design and Manufacturing)	MEC-502	2021-22	Core Course	Bachelor	Mechanical Engineering	3	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
981	Design of Machine Elements-I	MEC-501	2021-22	Core Course	Bachelor	Mechanical Engineering	1	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
982	Fluid Mechanics Lab	MEC-455	2021-22	Core Course	Bachelor	Mechanical Engineering	1	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
983	Fluid Mechanics	MEC-405	2021-22	Core Course	Bachelor	Mechanical Engineering	3	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
984	Manufacturing Technology-I	MEC-404	2021-22	Core Course	Bachelor	Mechanical Engineering	3	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
985	Principles of Telecommunication (Theory)	PEIT 602a	2021-22	Core Course	Bachelor	INFORMATION TECHNOLOGY ENGG	3	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
986	Quantum and Statistical Physics	APH-103	2021-22	Core Course	Bachelor	INFORMATION TECHNOLOGY ENGG	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
987	Programming Fundamental	IT-102	2021-22	Core Course	Bachelor	INFORMATION TECHNOLOGY ENGG	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
988	Total Quality Management Lab	MEC704j-l	2021-22	Core Course	Bachelor	Mechanical Engineering	1	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
989	Applied Thermodynamics-II Lab	MEC451	2021-22	Core Course	Bachelor	Mechanical Engineering	1	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
990	Applied Thermodynamics -II	MEC401	2021-22	Core Course	Bachelor	Mechanical Engineering	3	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
991	Machine Drawing Lab	MEC354	2021-22	Core Course	Bachelor	Mechanical Engineering	1	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
992	Applied Thermodynamics-I Lab	MEC351	2021-22	Core Course	Bachelor	Mechanical Engineering	1	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
993	Mechanics of Materials-I Lab	MEC352	2021-22	Core Course	Bachelor	Mechanical Engineering	1	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35
994	Math-3	BS-EE305	2021-22	Core Course	Bachelor	Electrical and Electronics Engineering	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
995	Principals of Designing	CS 506	2021-22	Core Course	Bachelor	Electrical and Electronics Engineering	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
996	Applied Thermodynamics-I	MEC301	2021-22	Core Course	Bachelor	Electrical and Electronics Engineering	4	24-02-2022 00:00:00	27-05-2022 00:00:00	93	35
997	Major Project	PROJEE805	2021-22	Core Course	Bachelor	Electrical and Electronics Engineering	2	11-11-2021 00:00:00	28-01-2022 00:00:00	79	35

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	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Number of Contact Hours o the Course
1	ADVANCED MOLECULAR BIOLOGY TECHNIQUES (Bioscience for Human Health Mission)	2021-22	Short-term Certificate Program	Central Govt. Agency	Sophisticated Analytical Instrumentation Facility PU Chd	21-03-2022 00:00:00	27-03-2022 00:00:00	7	63
2	INSIGHTS INTO ANALYTICAL INSTRUMENTATION FOR APPLIED SCIENCES (Workshop on Analytical Methods)	2021-22	Short-term Certificate Program	Central Govt. Agency	Sophisticated Analytical Instrumentation Facility PU CHD	26-04-2022 00:00:00	03-05-2022 00:00:00	8	63
3	INSIGHTS INTO ANALYTICAL INSTRUMENTATION FOR APPLIED SCIENCES (Skill India Progressive India)	2021-22	Short-term Certificate Program	Central Govt. Agency	Sophisticated Analytical Instrumentation Facility PU	26-04-2022 00:00:00	03-05-2022 00:00:00	8	63
4	APPLICATION OF ADVANCED ANALYTICAL INSTRUMENTS IN AGRICULTURE (Workshop on Analytical Methods)	2021-22	Short-term Certificate Program	Central Govt. Agency	Sophisticated Analytical Instrumentation Facility PU CHD	17-05-2020 00:00:00	24-05-2020 00:00:00	8	63

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	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Number of Contact Hours o the Course
5	MATERIAL PROCESSING AND ADVANCED FUNCTIONAL MATERIAL CHARACTERIZATION TECHNIQUES(Atmanirbhar Bharat Abhyan)	2021-22	Short-term Certificate Program	Central Govt. Agency	Sophisticated Analytical Instrumentation Facility PU Chd	30-05-2022 00:00:00	05-06-2022 00:00:00	7	63
6	X-RAY AND CHROMATOGRAPHY BASED TECHNIQUES FOR ACADEMIC and INDUSTRIAL INNOVATIONS (National Mission for Accelerating Growth of New Indias Innovation AGNI	2021-22	Short-term Certificate Program	Central Govt. Agency	Sophisticated Analytical Instrumentation Facility PU Chd	27-05-2022 00:00:00	03-06-2022 00:00:00	8	63
7	MATERIAL PROCESSING AND ADVANCED FUNCTIONAL MATERIAL CHARACTERIZATION TECHNIQUES(Atmanirbhar Bharat Abhyan)	2021-22	Short-term Certificate Program	Central Govt. Agency	Sophisticated Analytical Instrumentation Facility PU Chd	30-05-2022 00:00:00	05-06-2022 00:00:00	7	63
8	INSIGHTS AND HANDS-ON TRAINING PROGRAM ON TECHNIQUES ON BIO-TECHNOLOGY	2021-22	Short-term Certificate Program	Central Govt. Agency	Sophisticated Analytical Instrumentation Facility PU Chd	26-04-2022 00:00:00	03-05-2022 00:00:00	8	63

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	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Number of Contact Hours o the Course
9	A Comprehenvie Approach to Spectroscopy and Chromatography	2021-22	Short-term Certificate Program	Central Govt. Agency	Sophisticated Analytical Instrumentation Facility PU Chd	22-08-2022 00:00:00	28-08-2022 00:00:00	7	63
10	Advanced Trends in Biomedical Sciences Reseacrh and Skill Development (Biocience for human health mission)	2021-22	Short-term Certificate Program	Central Govt. Agency	Sophisticated Analytical Instrumentation Facility PU Chd	01-08-2022 00:00:00	07-08-2022 00:00:00	7	63
11	NLTP (NATIONAL LEVEL ONLINE TRANING PROGRAMME IN STATISTICS FOR COMPETITIVE - ENTRANCE EXAMINATIONS)	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Department of Statistics Panjab University Chandigarh	02-08-2022 00:00:00	31-08-2022 00:00:00	30	65
12	Training Program on Machine Learning using Python	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Department of Statistics Panjab University Chandigarh	03-05-2021 00:00:00	29-05-2021 00:00:00	27	36

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	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Number of Contact Hours o the Course
13	Value Added Course Skill Development Program on Machine Learning using Python from August 11 to 18 2022 (currently in progress)	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Department of Statistics Panjab University Chandigarh	11-08-2022 00:00:00	18-08-2022 00:00:00	8	30
14	Faculty Development training program in Industrial microbiology and fermentation technology	2021-22	Faculty Development Program (FDP)	State Govt. Agency	Department of Microbiology PU	01-08-2022 00:00:00	21-08-2022 00:00:00	21	84
15	Methodologies of teaching used by Pre-school Teachers	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Department of Life Long Learning and Extension	28-08-2020 00:00:00	31-08-2020 00:00:00	4	30
16	Methodologies of teaching used by Pre-school Teachers	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Department of Life Long Learning and Extension	01-08-2022 00:00:00	04-08-2022 00:00:00	4	30
17	Refresher Course on Plant Taxonomy Ecology and Biodiversity Conservation	2021-22	Faculty Development Program (FDP)	Central Govt. Agency	BOTANY	01-07-2022 00:00:00	16-07-2022 00:00:00	16	80

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	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Number of Contact Hours o the Course
18	Interdisciplinary Refresher Course on Environment Studies 2021	2021-22	Faculty Development Program (FDP)	Central Govt. Agency	BOTANY	01-08-2022 00:00:00	14-08-2022 00:00:00	14	70
19	Two-Week Online Refresher Course on Environmental Studies	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	BOTANY	01-08-2022 00:00:00	14-08-2022 00:00:00	14	70
20	Audio-Visual Methods in Research Locating Theory in Practice	2021-22	Faculty Development Program (FDP)	Central Govt. Agency	Department of Anthropology Panjab University Chandigrh	26-04-2022 00:00:00	02-05-2022 00:00:00	7	30
21	Internship Training	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Internship Training	03-07-2022 00:00:00	07-08-2022 00:00:00	36	125
22	The Need and Importance of Research Methodology in Social Sciences	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Centre for Social Work Panjab University Chandigarh	01-07-2021 00:00:00	07-07-2021 00:00:00	7	33
23	Capacity Building Workshop on Business Acumen for Social Enterprises AND Start Ups	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	Centre for Social Work Panjab University Chandigarh	16-12-2021 00:00:00	20-12-2021 00:00:00	5	35

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	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Number of Contact Hours o the Course
24	Community Outreach through Extension Activities	2021-22	Short-term Certificate Program	Central Govt. Agency	Centre for Social Work Panjab University Chandigarh	27-07-2022 00:00:00	03-08-2022 00:00:00	8	30
25	Skill Enhancement through Working with Communities	2021-22	Short-term Certificate Program	Central Govt. Agency	Centre for Social Work Panjab University Chandigarh	27-07-2022 00:00:00	03-08-2022 00:00:00	8	30
26	Role of Youth in Community Outreach	2021-22	Short-term Certificate Program	Central Govt. Agency	Centre for Social Work Panjab University Chandigarh	27-07-2022 00:00:00	03-08-2022 00:00:00	8	30
27	Value added and Soft Skill Course on Gender Sensitive Training Skills Fading the Boundries	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Centre for Systems Biology AND Bioinformatics	01-08-2022 00:00:00	05-08-2022 00:00:00	5	30
28	One Month Online Course Programming in Python	2020-21	Short-term Certificate Program	Central Govt. Agency	Center for Skill Development Emtrepreneurship	01-06-2020 00:00:00	30-06-2020 00:00:00	30	90
29	One Month Online Course Machine Learning with Python	2020-21	Short-term Certificate Program	Central Govt. Agency	Short Term Certificate Programe	07-09-2020 00:00:00	07-10-2020 00:00:00	31	90

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	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Number of Contact Hours o the Course
30	One Month Online Course Big Data analytics	2020-21	Short-term Certificate Program	Central Govt. Agency	Short Term Certificate Programe	14-12-2020 00:00:00	12-01-2021 00:00:00	30	90
31	One Month Online Course Blockchain Technology from Theory to Implementation	2021-22	Short-term Certificate Program	Central Govt. Agency	Center for Skill Development Emtrepreneurship	01-04-2021 00:00:00	30-04-2021 00:00:00	30	90
32	One Month Online Course Deep Learning	2021-22	Short-term Certificate Program	Central Govt. Agency	Center for Skill Development Emtrepreneurship	01-06-2021 00:00:00	21-07-2021 00:00:00	51	90
33	Programming with Python and IoT Perspective	2021-22	Short-term Certificate Program	Central Govt. Agency	Center for Skill Development Emtrepreneurship	26-07-2021 00:00:00	25-08-2021 00:00:00	31	90
34	Learning JavaScript from The Beginning	2021-22	Short-term Certificate Program	Central Govt. Agency	Center for Skill Development Emtrepreneurship	17-11-2021 00:00:00	16-12-2021 00:00:00	30	90

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	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Number of Contact Hours o the Course
35	Fostering the Boundaries of Fashion Design and Technology Course for Enhanced Employability	2021-22	Faculty Development Program (FDP)	Central Govt. Agency	University Institute of fashion Technology and Vocational development in collaboration with UGC HRDC PU	15-03-2022 00:00:00	21-03-2022 00:00:00	7	36
36	Research and Innovation in the World of Textiles Apparel Fashion and Lifestyle	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	University Institute of fashion Technology and Vocational development in collaboration with UGC HRDC PU	02-02-2021 00:00:00	02-08-2022 00:00:00	547	36
37	Value Added Course	2021-22	Short-term Certificate Program	Self Sponsored/Supported	University Institute of Applied Management Sciences	05-08-2022 00:00:00	11-08-2022 00:00:00	7	30

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	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Number of Contact Hours o the Course
38	Demonstration and training regarding protein purification activity using AKTA start and pure and steps for Western blot	2021-22	Short-term Certificate Program	Self Sponsored/Supported	BioNEST-PU	01-08-2021 00:00:00	04-08-2021 00:00:00	4	96
39	Demonstration and hands on training of 7L and 25 L bioreactors	2021-22	Short-term Certificate Program	Self Sponsored/Supported	BioNEST-PU	02-08-2021 00:00:00	06-08-2021 00:00:00	5	90
40	Hands on trainning and demo of high pressure homogeniser	2021-22	Short-term Certificate Program	Self Sponsored/Supported	BioNEST-PU	02-08-2021 00:00:00	06-08-2021 00:00:00	5	120
41	Short Terms 30 hrs value added course Modern Sustainable technologies-Perception and Challenges	2021-22	Short-term Certificate Program	Self Sponsored/Supported	UIET PUSSGRC Hoshiarpur	14-08-2022 00:00:00	20-08-2022 00:00:00	7	30
42	Short Terms 30 hrs value added course Introducation to Law of Health	2021-22	Short-term Certificate Program	Self Sponsored/Supported	UILS PUSSGRC Hoshiarpur	12-08-2022 00:00:00	20-08-2022 00:00:00	9	30

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	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Number of Contact Hours o the Course
43	UGC-Networking Resource Centre Phase II FDP on Training pharmacy professionals to accomplish Mission Make in India Step forth to promote academic entrepreneurship	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	UIPS UGC-Networking Resource Centre	18-01-2021 00:00:00	23-01-2021 00:00:00	6	40
44	UGC Networking Resource Centre Faculty Development Programme on Fundamentals Advances and Innovative Platforms for Drug Delivery and Pharmaceutical Technology	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	UIPS UGC-Networking Resource Centre	22-02-2021 00:00:00	27-02-2021 00:00:00	6	40
45	UGC Networking Resource Centre Faculty Development programme on Tools enabling Drug Discovery and Drug Analysis in Pharmaceutical Research	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	UIPS UGC-Networking Resource Centre	22-03-2021 00:00:00	27-03-2021 00:00:00	6	40

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	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Number of Contact Hours o the Course
46	UGC Networking Resource Centre Faculty Development 1 week program on Attaining Quality Excellence in Drug Delivery Development and Research Emerging Trends Tools and amp amp Techniques in Pharmaceutics and amp amp Biopharmaceutics	2021-22	Faculty Development Program (FDP)	Central Govt. Agency	UIPS UGC-Networking Resource Centre	29-11-2021 00:00:00	04-12-2021 00:00:00	6	40
47	UGC Networking Resource Centre Faculty Development 1-week program on New Era Technologies in Formulation Design Space	2021-22	Faculty Development Program (FDP)	Central Govt. Agency	UIPS UGC-Networking Resource Centre	17-01-2022 00:00:00	22-01-2022 00:00:00	6	40
48	UGC Networking Resource Centre Faculty Development 1-week program on Emerging Trends and Alternatives in Pharmacological Research	2021-22	Faculty Development Program (FDP)	Central Govt. Agency	UIPS UGC-Networking Resource Centre	14-02-2022 00:00:00	19-02-2022 00:00:00	6	40

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	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Number of Contact Hours o the Course
49	5th IBRO-APRC Associate School on the theme Neuropsychiatric and Neurodegenerative Diseases	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	UIPS	27-08-2021 00:00:00	31-08-2021 00:00:00	5	40
50	To evaluate the effect of supplementation of wood apple and gooseberry in an animal model of Diabetic induced rat	2020-21	Short-term Certificate Program	Central Govt. Agency	UIPS UGC-Networking Resource Centre	01-01-2021 00:00:00	26-02-2021 00:00:00	57	480
51	UGC Networking Resource Centre Module A1 Program Mamta Kumari	2020-21	Short-term Certificate Program	Central Govt. Agency	UIPS UGC-Networking Resource Centre	27-01-2021 00:00:00	26-03-2021 00:00:00	59	480
52	Leflunomide loaded solid lipid nanoparticles as an efficient nano-system for psoriasis management	2021-22	Faculty Development Program (FDP)	Central Govt. Agency	UIPS UGC-Networking Resource Centre	15-02-2021 00:00:00	15-04-2021 00:00:00	60	480
53	Formulation and Evaluation of Naringin Loaded Self Microemulsying Drug Delivery System for Enhancement of Solubility	2020-21	Short-term Certificate Program	Central Govt. Agency	UIPS UGC-Networking Resource Centre	18-02-2021 00:00:00	16-04-2021 00:00:00	58	480

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	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Number of Contact Hours o the Course
54	Studies of Developed Novel Formulation of Coal Tar and Imiquimod for Clinical Assessment	2020-21	Short-term Certificate Program	Central Govt. Agency	UIPS UGC-Networking Resource Centre	04-03-2021 00:00:00	01-05-2021 00:00:00	59	480
55	Development and evaluation of solid lipid nanoparticles as safe and effective sun blocking agents	2021-22	Short-term Certificate Program	Central Govt. Agency	UIPS UGC-Networking Resource Centre	19-07-2021 00:00:00	19-08-2021 00:00:00	32	240
56	Learning of ICV-STZ surgery model and various neurobehavioral parameters in rodents	2021-22	Short-term Certificate Program	Central Govt. Agency	UIPS UGC-Networking Resource Centre	19-07-2021 00:00:00	17-09-2021 00:00:00	61	480
57	Learning of various Neurobehavioural and Biochemical Techniques	2021-22	Short-term Certificate Program	Central Govt. Agency	UIPS UGC-Networking Resource Centre	19-07-2021 00:00:00	17-09-2021 00:00:00	61	480
58	Molecular docking studies and mass spectrometry analysis of 16-arylideno steroids for the treatment of Alzheimers and Parkinsons diseases	2021-22	Short-term Certificate Program	Central Govt. Agency	UIPS UGC-Networking Resource Centre	27-08-2021 00:00:00	27-09-2021 00:00:00	32	240

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	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Number of Contact Hours o the Course
59	Design Synthesis and Biological Evaluation of 1 3 4 Thiadiazole Derivatives for the Treatment of Alzheimers Disease	2021-22	Short-term Certificate Program	Central Govt. Agency	UIPS UGC-Networking Resource Centre	24-08-2021 00:00:00	21-10-2021 00:00:00	59	480
60	Studies of in vivo antihypertensive activity by bioactive peptides from Ricebean seeds	2021-22	Short-term Certificate Program	Central Govt. Agency	UIPS UGC-Networking Resource Centre	01-10-2021 00:00:00	31-10-2021 00:00:00	31	240
61	Studies of in vivo antihypertensive activity by bioactive peptides from Moth bean seeds	2021-22	Short-term Certificate Program	Central Govt. Agency	UIPS UGC-Networking Resource Centre	01-10-2021 00:00:00	31-10-2021 00:00:00	31	240
62	In Vitro Skin Retention and Antimicrobial and Antibiofilm Evaluation of Developed Sesamol Loaded Solid Lipid Nanoparticles	2021-22	Short-term Certificate Program	Central Govt. Agency	UIPS UGC-Networking Resource Centre	13-09-2021 00:00:00	12-11-2021 00:00:00	61	480
63	Synthesis and Studies of 2-Aminoquinolines and 1-Aminoisoquinolines as Anti-microbial Agents	2021-22	Short-term Certificate Program	Central Govt. Agency	UIPS UGC-Networking Resource Centre	15-09-2021 00:00:00	15-11-2021 00:00:00	62	480

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	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Number of Contact Hours o the Course
64	Depression related Neurobehavioral and Biochemical Techniques	2021-22	Short-term Certificate Program	Central Govt. Agency	UIPS UGC-Networking Resource Centre	23-09-2021 00:00:00	22-11-2021 00:00:00	61	480
65	Chronic fatigue stress and related behavioral and biochemical parameters in animals	2021-22	Short-term Certificate Program	Central Govt. Agency	UIPS UGC-Networking Resource Centre	10-11-2021 00:00:00	08-01-2022 00:00:00	60	480
66	To study different behavioural and biochemical parameters in anxiety llike behavior in mice	2021-22	Short-term Certificate Program	Central Govt. Agency	UIPS UGC-Networking Resource Centre	06-12-2021 00:00:00	05-02-2022 00:00:00	62	480
67	Development of pectin based electrospun scaffolds	2021-22	Short-term Certificate Program	Central Govt. Agency	UIPS UGC-Networking Resource Centre	20-12-2021 00:00:00	19-02-2022 00:00:00	62	480
68	Ellagic Acid loaded Solid Lipid Nanoparticles for potential treatment of wound healing	2021-22	Short-term Certificate Program	Central Govt. Agency	UIPS UGC-Networking Resource Centre	04-01-2022 00:00:00	03-03-2022 00:00:00	59	480
69	Excess Molar Heat Capacities of Binary and Ternary Liquid Mixtures	2021-22	Short-term Certificate Program	Central Govt. Agency	UIPS UGC-Networking Resource Centre	04-01-2022 00:00:00	03-02-2022 00:00:00	31	240

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	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Number of Contact Hours o the Course
70	UGC Networking Resource Centre Module A1 Program Kavita Singhal	2021-22	Short-term Certificate Program	Central Govt. Agency	UIPS UGC-Networking Resource Centre	04-01-2022 00:00:00	03-03-2022 00:00:00	59	480
71	Development of synthetic polymer based nanofiber films	2021-22	Short-term Certificate Program	Central Govt. Agency	UIPS UGC-Networking Resource Centre	04-01-2022 00:00:00	03-03-2022 00:00:00	59	480
72	Nanocarriers Comparative Study for the Management of Pancreatic Cancer	2021-22	Short-term Certificate Program	Central Govt. Agency	UIPS UGC-Networking Resource Centre	04-01-2022 00:00:00	03-02-2022 00:00:00	31	240
73	Self-Nano-Emulsifying Drug Delivery System	2021-22	Short-term Certificate Program	Central Govt. Agency	UIPS UGC-Networking Resource Centre	05-01-2022 00:00:00	04-03-2022 00:00:00	59	480
74	Formulation and Evaluation of Rofecoxib Liposomes	2021-22	Short-term Certificate Program	Central Govt. Agency	UIPS UGC-Networking Resource Centre	15-02-2022 00:00:00	15-03-2022 00:00:00	29	240
75	Faculty Development Program on Intellectual Property (IPR)	2021-22	Faculty Development Program (FDP)	Central Govt. Agency	Human Resource Development Centre PU Chd	07-05-2022 00:00:00	13-05-2022 00:00:00	7	45
76	UIKERI Workshop	2020-21	Short-term Certificate Program	Self Sponsored/Supported	UK-India research Initiative	01-12-2020 00:00:00	04-12-2020 00:00:00	4	32

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	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Number of Contact Hours o the Course
77	National Seminar cum Workshop on Academic Integrity Plagiarism Intellectual Property Rights	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Institute of Forensic Science criminology	14-12-2020 00:00:00	29-12-2020 00:00:00	16	32
78	DIC Internship-Six months Internship programme	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	UIET	01-07-2020 00:00:00	31-12-2020 00:00:00	184	500
79	Design Courses offered by DIC	2020-21	Short-term Certificate Program	Central Govt. Agency	DIC UIET	01-07-2020 00:00:00	31-12-2020 00:00:00	184	500
80	Indo-UK Workshop	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	UK-India research Initiative	01-12-2020 00:00:00	04-12-2020 00:00:00	4	30
81	Data Mining various algorithmic techniques during a Training Programme on Big Data Management Comprehensive Analysis	2020-21	Short-term Certificate Program	State Govt. Agency	DST	01-08-2020 00:00:00	31-12-2020 00:00:00	153	300
82	Indian Languages	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	Human Resource Development Centre	19-12-2020 00:00:00	02-01-2021 00:00:00	15	72

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	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Number of Contact Hours o the Course
83	126 Faculty Induction Programme	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	Human Resource Development Centre	22-12-2020 00:00:00	18-01-2021 00:00:00	28	144
84	Environment Studies	2020-21	Short-term Certificate Program	Central Govt. Agency	Human Resource Development Centre	24-12-2020 00:00:00	16-01-2021 00:00:00	24	70
85	Mathematical Sciences	2020-21	Short-term Certificate Program	Central Govt. Agency	Human Resource Development Centre	15-01-2021 00:00:00	26-01-2021 00:00:00	12	72
86	Research Methodology in Social Sciences	2020-21	Short-term Certificate Program	Central Govt. Agency	Human Resource Development Centre	05-02-2021 00:00:00	18-02-2021 00:00:00	14	72
87	India Studies	2020-21	Short-term Certificate Program	Central Govt. Agency	Human Resource Development Centre	09-02-2021 00:00:00	22-02-2021 00:00:00	14	72
88	Information Technology	2020-21	Short-term Certificate Program	Central Govt. Agency	Human Resource Development Centre	11-02-2021 00:00:00	24-02-2021 00:00:00	14	72
89	Research Methodology in Sciences	2020-21	Short-term Certificate Program	Central Govt. Agency	Research Methodology in Sciences	13-02-2021 00:00:00	26-02-2021 00:00:00	14	72

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	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Number of Contact Hours o the Course
90	Teacher Education	2020-21	Short-term Certificate Program	Central Govt. Agency	Human Resource Development Centre	20-02-2021 00:00:00	05-03-2021 00:00:00	14	72
91	Management	2020-21	Short-term Certificate Program	Central Govt. Agency	Human Resource Development Centre	24-02-2021 00:00:00	09-03-2021 00:00:00	14	72
92	Addressing Challenges of Online Teaching-Learning	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	Human Resource Development Centre	04-09-2020 00:00:00	10-10-2020 00:00:00	37	36
93	Artificial Intelligence on Human Life A Basic Course	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	Human Resource Development Centre	06-10-2020 00:00:00	12-10-2020 00:00:00	7	36
94	Deliberations on NEP 2020 Strategy for Implementation	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	Human Resource Development Centre	07-10-2020 00:00:00	13-10-2020 00:00:00	7	36
95	Enhancing Visibility and Quality of Research Output	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	Human Resource Development Centre	17-11-2020 00:00:00	23-11-2020 00:00:00	7	36
96	Self Reliant India Policies and Challenges	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	Human Resource Development Centre	24-11-2020 00:00:00	30-11-2020 00:00:00	7	36

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	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Number of Contact Hours o the Course
97	Spirituality The Root of Mental Health and Cognitive Fitness	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	Human Resource Development Centre	05-12-2020 00:00:00	11-12-2020 00:00:00	7	36
98	Innovative Pedagogy in Remote Teaching	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	Human Resource Development Centre	05-01-2021 00:00:00	11-01-2021 00:00:00	7	36
99	Effective Communication in Digital Era	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	Human Resource Development Centre	14-01-2021 00:00:00	20-01-2021 00:00:00	7	36
100	Innovation in the world of textile approval lifestyle	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	Human Resource Development Centre	02-02-2021 00:00:00	08-02-2021 00:00:00	7	36
101	Enhancing visibility and perception of self as brand	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	Human Resource Development Centre	16-02-2021 00:00:00	22-02-2021 00:00:00	7	36
102	Research Methodology in Sciences	2021-22	Short-term Certificate Program	Central Govt. Agency	Human Resource Development Centre	14-09-2021 00:00:00	27-09-2021 00:00:00	14	72
103	Research Methodology in Social Sciences	2021-22	Short-term Certificate Program	Central Govt. Agency	Human Resource Development Centre	22-09-2020 00:00:00	05-10-2021 00:00:00	379	72

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	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Number of Contact Hours o the Course
104	Environment Studies	2021-22	Short-term Certificate Program	Central Govt. Agency	Human Resource Development Centre	17-11-2021 00:00:00	30-11-2021 00:00:00	14	72
105	Mathematical Science	2021-22	Short-term Certificate Program	Central Govt. Agency	Human Resource Development Centre	23-11-2021 00:00:00	06-12-2021 00:00:00	14	72
106	127 Faculty Induction Programme	2021-22	Short-term Certificate Program	Central Govt. Agency	Human Resource Development Centre	17-12-2021 00:00:00	13-01-2022 00:00:00	28	144
107	Advance in Pedagogical Approaches	2021-22	Short-term Certificate Program	Central Govt. Agency	Human Resource Development Centre	04-01-2022 00:00:00	17-01-2022 00:00:00	14	72
108	Commerce AND Management Studies	2021-22	Short-term Certificate Program	Central Govt. Agency	Human Resource Development Centre	01-02-2022 00:00:00	14-02-2022 00:00:00	14	72
109	Physical Science	2021-22	Short-term Certificate Program	Central Govt. Agency	Human Resource Development Centre	15-02-2020 00:00:00	28-02-2022 00:00:00	745	72
110	India Studies	2021-22	Short-term Certificate Program	Central Govt. Agency	Human Resource Development Centre	12-03-2022 00:00:00	25-03-2022 00:00:00	14	72

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	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Number of Contact Hours o the Course
111	Indian Languages	2021-22	Short-term Certificate Program	Central Govt. Agency	Human Resource Development Centre	18-03-2022 00:00:00	31-03-2022 00:00:00	14	72
112	Search Research and Publication Ethics	2021-22	Faculty Development Program (FDP)	Central Govt. Agency	Human Resource Development Centre	06-07-2021 00:00:00	12-07-2021 00:00:00	7	36
113	Needonomics for Revival of Economy in Post Pandemic Era	2021-22	Faculty Development Program (FDP)	Central Govt. Agency	Human Resource Development Centre	14-07-2021 00:00:00	20-07-2021 00:00:00	7	36
114	Re-engineering the role of Teacher as Mentor	2021-22	Faculty Development Program (FDP)	Central Govt. Agency	Human Resource Development Centre	22-07-2021 00:00:00	28-07-2021 00:00:00	7	36
115	Research in Sciences Novel tools and Methodologies	2021-22	Faculty Development Program (FDP)	Central Govt. Agency	Human Resource Development Centre	22-07-2021 00:00:00	09-08-2021 00:00:00	19	36
116	Science Social Sciences and Humanities A Quest for Interdisciplinary Understanding	2021-22	Faculty Development Program (FDP)	Central Govt. Agency	Human Resource Development Centre	06-08-2021 00:00:00	12-08-2021 00:00:00	7	36
117	Rethinking Dr BR Ambedkars Multi Dimensional Vision	2021-22	Faculty Development Program (FDP)	Central Govt. Agency	Human Resource Development Centre	09-11-2021 00:00:00	15-11-2021 00:00:00	7	36

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	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Number of Contact Hours o the Course
118	Sharpening Competencies in Medical Education Pedagogy	2021-22	Faculty Development Program (FDP)	Central Govt. Agency	Human Resource Development Centre	24-11-2021 00:00:00	30-11-2021 00:00:00	7	36
119	Mathematical Analysis	2021-22	Faculty Development Program (FDP)	Central Govt. Agency	Human Resource Development Centre	04-01-2022 00:00:00	10-01-2022 00:00:00	7	36
120	Information Sources and Services for Teaching Learning and Research	2021-22	Faculty Development Program (FDP)	Central Govt. Agency	Human Resource Development Centre	01-02-2022 00:00:00	07-02-2022 00:00:00	7	36
121	Understanding Geodiversity AND Geoheritage	2021-22	Faculty Development Program (FDP)	Central Govt. Agency	Human Resource Development Centre	22-02-2022 00:00:00	28-02-2022 00:00:00	7	36
122	Integrated Approaches in Biological Sciences	2021-22	Faculty Development Program (FDP)	Central Govt. Agency	Human Resource Development Centre	22-02-2022 00:00:00	28-02-2022 00:00:00	7	36
123	The Marginalized Continuities and Changes	2021-22	Faculty Development Program (FDP)	Central Govt. Agency	Human Resource Development Centre	02-03-2022 00:00:00	08-03-2022 00:00:00	7	36
124	Workshop on Solving industry problems through innovative solutions	2020-21	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	UIET Panjab University	09-07-2020 00:00:00	12-07-2020 00:00:00	4	30

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	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Number of Contact Hours o the Course
125	FACULTY DEVELOPMENT PROGRAM ON INTELLECTUAL PROPERTY	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Panjab University IPR	07-05-2022 00:00:00	13-05-2022 00:00:00	7	40

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	Govt. Schemes
1	Innovation Cell	CIC-B	Dr. Rohit Sharma	Mentoring Support,Pre-Incubation Facility Support (Idea to Prototype and Innovative Business Plan Development)
2	Start-Up Cell	Centre for Skill Development & Entrepreneurship	Prof Harish Kumar	Mentoring Support,Seed Grant Support,Pre-Incubation Facility Support (Idea to Prototype and Innovative Business Plan Development)

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Govt. Schemes
3	Innovation Cell	E-YUVA	Dr Rohit Sharma	Mentoring Support,Seed Grant Support,Pre-Incubation Facility Support (Idea to Prototype and Innovative Business Plan Development),Incubation Facility Support (Innovative Business Model to Startup and Market Linkage & Growth Stage),Investment - Angel a

3.2) Existence of Incubation Facility (>= 1500 Sq. Ft. Floor Area)

Sr. No.	Name of Unit	In-charge Name	Govt. Schemes
1	Design Innovation Centre, Chandigarh	Dr. Renu Vig	Other Central/State Government
2	BioNEST	Dr Rohit Sharma	DBT/BIRAC

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	Govt. Schemes
1	Technology Transfer Centre /TTO	Centre for Industry Institute Partnership Program	Prof Manu Sharma	Mentoring Support,Seed Grant Support
2	IPR Cell	Centre for Industry Institute Partnership Program	Prof Manu Sharma	Mentoring Support,Seed Grant Support

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	Current Engagement of Team Lead in Institute	Total Grants Received (from all sources)	Grant Support Received from Institution/Inc
1	SpectroPlotter	Independent Assignment/Non-academic Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Naveen Aggarwal	Faculty	100000	0
2	Bruxism measuring device	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Sainyam	Student	0	0
3	Natural gum based slime for multipurpose applications: Stress relievers, playful toys and cleaning materials	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Vishal Sharma	Faculty	0	0

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute	Total Grants Received (from all sources)	Grant Support Received from Institution/Inc
4	Nanoparticles embedded hydrogel based nanofertilizer : Water retaining and slow release fertilizer for sustainable agriculture	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Vishal Sharma	Faculty	0	0
5	Natural polysaccharide based cost-effective reusable hydrogel for waste water treatment	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Vishal Sharma	Faculty	0	0
6	Processes for production of enzyme cocktail having cellulases, hemicellulases, pectinases, amylases, inulinase, alginate lyase, proteases, and Lipases for diverse applications	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Sanjiv Kumar Soni	Faculty	0	0

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute	Total Grants Received (from all sources)	Grant Support Received from Institution/Ind
7	Setup for dimensionality measurement of fasteners & Mechanical Parts	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Garima Joshi	Faculty	0	0
8	Spectroplotter	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Garima Joshi	Faculty	0	0
9	Evaluation of mode of immunization and strain transcending immune potential of chemoattenuated blood stage Plasmodium vaccine	Independent Assignment/Non-academic Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Prof Sukhbir Kaur	Faculty	0	0

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute	Total Grants Received (from all sources)	Grant Support Received from Institution/Inc
10	Non-alcoholic Silver and Iron nanoparticle based sanitizer and disinfectant formulations	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Sanjiv Kumar Soni	Faculty	0	0
11	Rescue device for children trapped in borewell	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Parveen Goyal	Faculty	0	0
12	A cost effective and reusable hydrogel based superabsorbent for water filtration.	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	Vishal Sharma	Faculty	15	0

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute	Total Grants Received (from all sources)	Grant Support Received from Institution/Inc
13	Oral healthcare Device	Independent Assignment/Non-academic Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	Naveen Aggarwal	Faculty	0	0
14	Processes for conversion of biodegradable solid waste residues into biofertilizer formulations	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale	Sanjiv Kumar Soni	Faculty	0	0
15	AUTOMATED ARTIFICIAL BREATHING DEVICE	Academic Requirement/Study Project	2021-22	TRL 8 : First of a kind commercial system. Manufacturing issues solved	Manu Sharma	Faculty	0	0

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute	Total Grants Received (from all sources)	Grant Support Received from Institution/Ind
16	Grovill.com	Independent Assignment/Non-academic Study Project	2020-21	TRL 9 : Full commercial application, technology available for consumers	Dr.Rohit Sharma	Faculty	0	0
17	Ultraviolet Sanitization Chamber	Independent Assignment/Non-academic Study Project	2020-21	TRL 9 : Full commercial application, technology available for consumers	Ramesh K Sharma	Faculty	0	0
18	Technologies for rapid composting of kitchen waste, agricultural waste and horticultural waste using in-house developed microbial formulations	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 9 : Full commercial application, technology available for consumers	Sanjiv Kumar Soni	Faculty	0	0
19	wood engraving machine	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 9 : Full commercial application, technology available for consumers	Manu Sharma	Faculty	0	0

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute	Total Grants Received (from all sources)	Grant Support Received from Institution/Inc
20	IoT based human bite force measurement apparatus and method	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale	Kartik Jangra	Student	0	0
21	Medical Grade 3-D Printer	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale	Medical Grade Printer	Student	1000000	0
22	Electronic Preferential Voting Machine (EPVM)	Independent Assignment/Non-academic Study Project	2020-21	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale	Manoj Kumar Sharma	Faculty	0	0

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute	Total Grants Received (from all sources)	Grant Support Received from Institution/Ind
23	Novel compounds as memory enhancers	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 6 : Prototype system tested in intended environment close to expected performance	Maninder Karan	Faculty	0	0
24	An Automatic Acoustic Event Sensing and Triggering device: AcouAlert	Independent Assignment/Non-academic Study Project	2020-21	TRL 6 : Prototype system tested in intended environment close to expected performance	Naveen Aggarwal	Faculty	1275000	0
25	Development of Nut Sorting Machine	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 6 : Prototype system tested in intended environment close to expected performance	Dr. Gaurav Sapra	Faculty	0	0

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute	Total Grants Received (from all sources)	Grant Support Received from Institution/Inc
26	Value addition of deoiled rice bran by employing it as a feedstock for the production of fungal carbohydrases and bioethanol	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Sanjiv Kumar Soni	Faculty	0	0
27	A low-cost approach for bioethanol production from rice straw through a green route mediated by enzymes produced in-house	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Sanjiv Kumar Soni	Faculty	0	0
28	Substituted aryl thiazoles with antioxidant potential as gastro-sparing anti-inflammatory agents	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Alka Bali	Faculty	0	0

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute	Total Grants Received (from all sources)	Grant Support Received from Institution/Inc
29	COCRYSTALS OF ACECLOFENAC	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Renu Chadha	Faculty	1000000	0
30	One Pot Synthesis of Aryl Substituted Imidazoles as Potential Atypical Antipsychotics	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Alka Bali	Faculty	0	0
31	Pupillometer	Independent Assignment/Non-academic Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Naveen Aggarwal	Faculty	125000	0

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute	Total Grants Received (from all sources)	Grant Support Received from Institution/Inc
32	Optical Biosensor for E.coli in contaminated water	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Gurpal Singh	Faculty	0	0
33	NEW COCRYSTALS OF GENISTEIN WITH IMPROVED EFFICACY/BIOPHARMACEUTICAL PARAMETERS	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Maninder Karan	Faculty	0	0
34	Smart Potholes detector using thermal Imaging	Independent Assignment/Non-academic Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Naveen Aggarwal	Faculty	600000	0

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute	Total Grants Received (from all sources)	Grant Support Received from Institution/Inc
35	Automatic vehicle logging system for Smart Parking	Independent Assignment/Non-academic Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Naveen Aggarwal	Faculty	125000	125000
36	Active Transradial Bionic Prosthetic Arm	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Deepanshu Chander	Student	35	0
37	Anion Exchange Membrane System for 2G Bioethanol Production with Acid Recycle and Recovery Strategies	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Prof. Ganga Ram Chaudhary	Faculty	0	0

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute	Total Grants Received (from all sources)	Grant Support Received from Institution/Ind
38	BATTERY THERMAL MANAGEMENT SYSTEM	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	abhishek ranjan	Student	413000	0
39	Multipurpose grass Cutting and Printer	Independent Assignment/Non-academic Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Naveen Aggarwal	Faculty	0	0
40	Water Surface Vehicle	Independent Assignment/Non-academic Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Naveen Aggarwal	Faculty	0	0

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute	Total Grants Received (from all sources)	Grant Support Received from Institution/Inc
41	Bus Arrival Detector using BLE	Independent Assignment/Non-academic Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Naveen Aggarwal	Faculty	0	0

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	Deframers Solar Pvt. Ltd.	Private Limited Firm (Pvt. Ltd.)	U29100PB2022PTC056382 **View Document (https://api.mic.gov.in//uploads/institutes/innovationcontest/images/innovationcontest/idea/IC201810617_ci**
2	BIOAGE	Private Limited Firm (Pvt. Ltd.)	U85190PB2010PTC034029 **View Document (https://api.mic.gov.in//uploads/institutes/innovationcontest/images/innovationcontest/idea/IC201810617_ci**
3	Diovita Foods Private Limited	Private Limited Firm (Pvt. Ltd.)	U15100DL2017PTC313433 **View Document (https://api.mic.gov.in//uploads/institutes/innovationcontest/images/innovationcontest/idea/IC201810617_ci**
4	ENVINOVA SMARTECH PVT LTD	Private Limited Firm (Pvt. Ltd.)	U29307CH2021PTC043527 **View Document (https://api.mic.gov.in//uploads/institutes/innovationcontest/images/innovationcontest/idea/IC201810617_ci**

Sr. No.	Startup/Venture Name	Startup/Venture Registered as	CIN No/LLP/OPC/RC No
5	ASSIST-O-CARE TECHNOLOGIES	Private Limited Firm (Pvt. Ltd.)	U33200CH2020PTC043097 **View Document (https://api.mic.gov.in//uploads/institutes/innovationcontest/images/innovationcontest/idea/IC201810617_ci**
6	A Multifactorial Approach to Solve the Issues of Medicinal Plants Sector Value Chain with Women Intervention Through Social Enterprise	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
1	Averatek Corporation. California	International Agency	0003	Active	29-07-2022
2	BEXIMCO PHARMACEUTICALS LTD.	International Agency	0005	Active	24-05-2021
3	BG Unified Solutions,Australia	International Agency	01.5	Active	15-02-2021
4	Chandigarh Pollution Control Committee and Municipal Corporation, Chandiigarh	Govt. Agency (State)	0003	Active	26-03-2021
5	Community Radio Association (CRA)	Govt. Agency (State)	0001	Active	01-06-2022
6	Department of Medical Microbiology, Post Graduate Institute of Medical Education and Research (PGIMER)	Govt. Agency (Central)	0002	Active	17-09-2021
7	Development and Research Organization for Nature, Arts and Heritage (DRONAH), Gurgaon, Haryana	Govt. Agency (State)	0002	Inactive	04-11-2020
8	Director General of Police, Chandigarh	Govt. Agency (State)	0003	Active	29-07-2020
9	Institute of Vedic and Astrological Sciences	Educational Institute	0001	Inactive	01-07-2020

Sr. No.	Collaborated Agency Name	Collaborated Agency Type	Period of Collaboration (No. of Years)	Current Status of Collaboration	Date of MOU / Agreement Signed on
10	KU-KIST Graduate School of Converging Science and Technology, having its principle office at Korea University in Seoul, South Korea,	International Agency	0003	Active	17-08-2022
11	LexOrbis	International Agency	0002	Active	03-06-2021
12	MOREPEN Lab Ltd	Educational Institute	0005	Active	01-05-2021
13	National Cadet Corps, Group Head Quarter (NCC HQ) Chandigarh	Govt. Agency (Central)	3	Active	11-01-2021
14	Space Jam, Chandigarh	Educational Institute	0001	Inactive	15-07-2020

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?
No Data Found					

7.2) Patents Filed by HEI

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
1	Anti-biofouling composition and uses thereof	202011003836	28-07-2020
2	A SYSTEM AND METHOD FOR PREDICTING BADMINTON MATCH OUTCOME	2021103042	02-06-2021
3	A Contaminant Purging System for a Vehicle	202111032486	19-07-2021
4	Electric Vehicle Chassis with easily removable battery module replacement	1188548	29-11-2021
5	A Medical Device for detection of Vitamin D Inadequacy	202011048189	04-11-2020
6	Innovative and simultaneous detection and treatment tool for cancers	202011047599	31-10-2020
7	MAGNETIC NANOPARTICLE ASSISTED APTAMER-QUANTUM DOT BASED BIOSENSOR FOR THE DETECTION OF E. COLI	202111024602	02-06-2021
8	COPPER BASED COMPOUNDS HAVING ANTIMICROBLAL PROPERTIES	202111019702	29-04-2021
9	Novel nitrile hydrolase as multiple nitrile biocatalyst from Microbacterium sp.	202011044041	09-10-2021
10	Reduction of Benzyl cyanide as a new microbial method for bioremedial therapy	202011044024	09-10-2020
11	A modified bacterial strain for the production of lipase enzyme and lipase-mediated biotransformation	202011040166	16-09-2020
12	Development of one step detection kit for organophosphates	202111012827	24-03-2021

7.3 & 7.4) 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	201911011782	A pharmaceutical composition	02-10-2020	Published	2020	Applicant
2	202011000013	Acou Alert: An Automatic Acoustic Event Sensing And Triggering Device	10-01-2020	Published	2020	Other(Individual)
3	202011009410	GrassPrinter: An Automated Multi Level Grass Cutter To Make Character Impression On Grass	20-03-2020	Published	2020	Other(Individual)
4	20191102700	NOVEL SCALE-UP BIOREACTORS FOR MULTIPLE PROCESS OPTIMIZATIONS	05-07-2019	Published	2019	Other(Individual)
5	202011045104	IoT based Healthcare Queue Management System	06-11-2020	Published	2020	Other(Individual)
6	335708	MULTI-COMPONENT CRYSTALLINE FORM OF OXCARBAZEPINE	21-04-2020	Published	2020	Other(Individual)
7	350155	NOVEL NANOEMULSION/ SELF NANOEMULSIFYING DRUG DELIVERY SYSTEM FOR ENHANCED ORAL BIOAVAILABILITY OF HYDROPHOBIC SELECTIVE ß1-ADRENORECEPTOR BLOCKER	27-10-2020	Published	2020	Other(Individual)
8	351437	An ocular formulation & a method for its preparation	11-11-2020	Published	2020	Other(Individual)
9	341360	Autoclavable nano vesicular composition	13-10-2020	Published	2020	Other(Individual)
10	329706	Diagnostic kit for in vitro diagnosis of rheumatoid arthritis (RA) and method of use thereof.	20-01-2020	Published	2020	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	336184	Nanostructured lipidic polymeric pharmaceutical compositions encapsulating drugs	29-04-2020	Published	2020	Other(Individual)
12	345298	Novel compounds as memory enhancers	27-08-2020	Published	2020	Other(Individual)
13	354372	Validated HPTLC and stability indicating HPLC method for prasugrel hydrochloride	23-12-2020	Published	2020	Other(Individual)
14	202111059227	A system to unmask identities behind face masks	12-12-2022	Published	2022	Other(Individual)
15	202111032486	A Contaminant Purging System for a Vehicle	19-07-2021	Published	2021	Other(Individual)
16	202141035860	6-AXIS ROBOTIC WORKSTATION FOR LASER ENGRAVING	08-09-2021	Published	2021	Other(Individual)
17	201811020643	Automated artificial breathing device	15-11-2021	Published	2021	Other(Individual)
18	2021100089	A Method to Word Recognition for the Postal Automation and a System thereof	07-01-2021	Published	2021	Other(Individual)
19	202111029387	Automated Disinfection and Cooling System for Personnel wearingPersonal Protective Equipment (PPE)	30-06-2021	Published	2021	Other(Individual)
20	374339	Anti-carcinogenic potential of leaf extracts of the medicinal plant Pithecellobium dulce	11-04-2021	Published	2021	Other(Individual)
21	201911005835	Selective capturing and detection of pathogens on glass matrix using affinity moiety coupled quantum dots	14-09-2019	Published	2020	Applicant
22	377984	Cocrystals of naringenin	27-09-2021	Published	2021	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
23	363125	New Cocrystals Of Genistein With Improved Efficacy Biopharmaceutical Parameters	25-03-2021	Published	2021	Applicant
24	374254	NITRILE HYDROLYZING MICROBES FOR INDUSTRIAL USE	10-08-2021	Published	2021	Applicant
25	355216	Solid nanolipidic particulates of vitamin d3 and retinoic acid (RA)	04-01-2021	Granted	2021	Co-Applicant
26	375180	Reduce, Re-cycle and Reuse (RRR) IOT Intelligence Based Management System	24-08-2021	Granted	2021	Other(Individual)
27	381031	Topical nanoformulation of tetrahydrocurcumin	01-11-2021	Granted	2021	Co-Applicant
28	201911000008	Mutated microbe for the production of pyrazinoic acid	01-01-2019	Published	2020	Applicant
29	201811050126	ANTI-CANCER EFFICACY OF CRUDE AND PURIFIED BIOACTIVE FRACTIONS FROM THE LEAF EXTRACT OF LAGERSTROEMIA REGINAE AGAINST PANCREATIC CANCER	31-12-2018	Published	2020	Applicant
30	201911003461	AN APPARATUS FOR CLEANING OF CLOSED LINES AND CHAMBERS OF AN ENGINE, AND A METHOD THEREOF	31-07-2020	Published	2020	Applicant
31	202111051825	IOT BASED HUMAN BITE FORCE MEASUREMENT APPARATUS AND METHOD	11-11-2021	Published	2021	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
32	202011003954	NANO-FUNCTIONALIZED NATURAL FIBER WITH IMPROVED PHOTOCATALYTIC ANDANTIMICROBIAL PROPERTIES	27-08-2021	Published	2021	Applicant
33	201911026938	NOVEL PROCESS OF PRODUCTION OF 2-HYDROXYBENZOIC ACID FROM 2-HYDROXYBENZONITRILE USING A TRANSFORMED MICROORGANISM	05-07-2019	Published	2021	Applicant
34	202011015631	A SYNTHETIC PEPTIDE POSSESSING ANTIMICROBIAL AND ANTICANCER PROPERTIES	09-04-2020	Published	2021	Co-Applicant
35	201911001767	A SYNTHETIC PEPTIDE ANTIGEN, PROCESS FOR THE DETECTION OF SALMONELLOSIS AND OPTICAL READER FOR DETECTION THEREOF	17-07-2020	Published	2020	Applicant
36	201911027001	NOVEL SCALE-UP BIOREACTORS FOR MULTIPLE PROCESS OPTIMIZATIONS	18-01-2021	Published	2021	Applicant
37	201911041174	WOUND HEALING DRESSING	16-04-2021	Published	2021	Applicant
38	201911048645	ORALLY DISPERSIBLE TASTE MASKED FORMULATIONS OF BITTER DRUGS	28-05-2021	Published	2021	Applicant
39	201911051301	REINFORCING STABILITY AND EFFICACY OF DACARBAZINE BY COCRYSTALLIZATION AND A PROCESS OF THAT COCRYSTALLIZATION	18-06-2021	Published	2021	Applicant
40	202011001901	A PROCESS FOR THE PRODUCTION OF LACCASE ENZYME AND OF PULP BIOBLEACHING EMPLOYING SAID ENZYME	23-07-2021	Published	2021	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
41	202011004849	PROBIOTIC AND CURCUMIN WOUND DRESSING	06-08-2021	Published	2021	Applicant
42	202111036861	SMART LOGISTICS AND TRANSPORTATION USING IOT	03-09-2021	Published	2021	Other(Individual)
43	201911033872	PROCESS FOR PREPARATION OF ACCLIMATIZED STRAIN OF ACINETOBACTER BAUMANNII, FOR DEGRADATION OF POLYAROMATIC HYDROCARBONS	26-02-2021	Published	2021	Applicant
44	202141050114	QUICK CYBER THREAT IDENTIFICATION AND NOTIFICATION USING DEEP LEARNING	19-11-2021	Published	2021	Other(Individual)
45	201811044487	SOLID LIPID NANOPARTICLES OF CURCUMIN	26-11-2018	Published	2020	Applicant
46	201811030244	IMPROVED CALCIUM ORTHOPHOSPHATE FOR BIOMEDICAL APPLICATIONS AND METHOD THEREOF	11-08-2018	Granted	2021	Applicant
47	201711011036	COCRYSTALS OF ACECLOFENAC	24-03-2021	Granted	2021	Applicant
48	4055/DEL/2015	A METALOSOME ASSEMBLY AND A PROCESS FOR PREPARATION THEREOF	26-02-2020	Granted	2020	Applicant
49	2307/DEL/2014	IN-SITU FORMATION OF LIPIDIC NANOPARTICLES	14-10-2020	Granted	2020	Applicant
50	3903/DEL/2012	PHARMACEUTICAL COMPOSITION	19-03-2020	Granted	2020	Applicant
51	201711015371	SOPHOROLIPID BASED NANOSTRUCTURED LIPID CARRIERS TARGETED FOR DRUG DELIVERY PURPOSES	02-07-2021	Granted	2021	Applicant
52	202111056440	CUSTOMIZED DENTAL IMPLANT ASSEMBLY	12-06-2021	Published	2021	

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
53	202111029257	AN ORAL HEALTHCARE EDUCATIONAL APPARATUS AND A SYSTEM THEREOF	29-06-2021	Published	2021	
54	202111019087	SMART BANGLE FOR DETECTING THE REASON OF INFANT'S WEEPING	26-04-2021	Published	2021	
55	202111007125	ECONOMICAL AND REUSABLE AIR-PURIFYING RESPIRATOR	19-02-2021	Published	2021	
56	202011028427	Wearable Apparatus For Determining Goniometric Readings Of A Body Portion Of A Subject	07-03-2020	Published	2020	
57	854/DEL/2010	Electronic Preferential Voting Machine For Facilitating An Election Based On Single Transferable Vote Method	10-07-2010	Granted	2020	
58	202011027405	Antiviral Coating Materials and Method of Preparation Thereof	28-06-2020	Published	2020	

7.5) 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	Name of Licensee	Date of Transferred Technology
1	Folitrax LP™ (Anti-psoriatic gel)	Non-IP/Non-Patented Technology	Professor O P Katare	Industry	M/s IPCA Ltd, Mumbai	30-03-2022

Sr. No.	Name of Technology Licenced/Transferred/Commercialized	Technology Type	Patent/Licence Holder name (Institute Co-ownership is Must)	Technology Transferred to	Name of Licensee	Date of Transferred Technology
2	Providing the know-how and the technology required to manufacture "Solid Lipid Nanoparticle (SLN) of Curcumin' (API) and its formulations	IP/Patented Technology	Professor Indu Pal Kaur, Dr Simarjot Kaur Sandhu & Mr Joga Singh	Industry	M/s Nanz Med Science Pharma Pvt Ltd	18-06-2021