

S. No	Course Code	Course Title	Category	L	T	P	S	Cr	PO												PSO				
									1	2	3	4	5	6	7	8	9	10	11	12	1	2			
1	22UC0017	INDIAN KNOWLEDGE SYSTEMS - VEDIC MATHEMATICS	AUC	0	0	0	2	0	3	3															
2	22UC0018	FUNDAMENTALS OF MATHEMATICS (Bi.P.C)	AUC	3	0	0	0	0					2												
3	22UC0011	GENDER & SOCIAL EQUALITY	AUC	2	0	0	0	0		2		2		3					3						
4	22UC0019	ESSENCE OF INDIAN KNOWLEDGE TRADITION	AUC	2	0	0	0	0	3																
5	22UC0008	INDIAN CONSTITUTION	AUC	2	0	0	0	0						3											
6	22UC0009	ECOLOGY & ENVIRONMENT	AUC	2	0	0	0	0						2	3										
7	22UC0020T	ANCIENT INDIAN COMPUTING: A HISTORICAL AND CULTURAL PERSPECTIVE	AUC	2	0	0	0	0	1	1	2	2		3							3				
8	22UC1101	INTEGRATED PROFESSIONAL ENGLISH	HAS	0	0	4	0	2									1	3							
9	22UC1202	ENGLISH PROFICIENCY	HAS	0	0	4	0	2									1	3							
10	22UC2103	ESSENTIAL SKILLS FOR EMPLOYABILITY	HAS	0	0	4	0	2				2	3												
11	22UC2204	CORPORATE READINESS SKILLS	HAS	0	0	4	0	2											2		3				
12	22UC0010	UNVIERSAL HUMAN VALUES & PROFESSIONAL ETHICS	HAS	2	0	0	0	2	1			1	1						3						
13	22UC1203	DESIGN THINKING & INNOVATION	HAS	0	0	4	0	2		2	2		3	3	3	3									
14	22UC0012	INNOVATION MANAGEMENT	HAS	0	0	4	0	2		1	2	3	2						3	3					
15	22MBXXXX	MANAGEMENT ELECTIVE	HAS	2	0	0	0	2											3	3	3				
16	22FLXXXX	FOREIGN LANGUAGE ELECTIVE	HAS	2	0	0	0	2											3		3				
17	22UC0021	SOCIAL IMMERSIVE LEARNING - 1	SIL	0	0	0	4	1	2	3	3	3	3	3		2	2			2					
18	22UC0022	SOCIAL IMMERSIVE LEARNING - 2	SIL	0	0	0	4	1	2	3	3	3	3	3		2	2			2					
19	22UC0022	SOCIAL IMMERSIVE LERANING - 3	SIL	0	0	0	4	1	2	3	3	3	3	3		2	2			2					
20	22UC0024	SOCIAL IMMERSIVE LEARNING - 4	SIL	0	0	0	4	1	2	3	3	3	3	3		2	2			2					
21	22UC0025	SOCIAL IMMERSIVE LEARNING - 5	SIL	0	0	0	4	1	2	3	3	3	3	3		2	2			2					

22	22MTXXXX	MATHEMATICS ELECTIVE - 1 (MFC)	BSC	2	2	0	0	4	3				2									
23	22MTXXXX	MATHEMATICS ELECTIVE - 2 (MFE)	BSC	2	2	0	0	4	2													
24	22MTXXXX	MATHEMATICS ELECTIVE - 3	BSC	2	2	0	0	4			3	3										
25	22MTXXXX	MATHEMATICS ELECTIVE - 4	BSC	3	0	2	0	4	1	2	3											
26	22SCXXXX	SCIENCE ELECTIVE-1	BSC	3	0	2	0	4	3	1												
27	22SCXXXX	SCIENCE ELECTIVE-2	ESC	3	0	2	4	5	3	2	1			3	3							
28	22SCXXXX	SCIENCE ELECTIVE-3	ESC	3	1	0	4	4	3													3
29	22ME1103	DESIGN TOOL WORKSHOP	ESC	0	0	4	0	2		3	3		3						2			
30	22EC1203	BASIC ELECTRICAL & ELECTRONIC CIRCUITS	ESC	2	0	0	0	2		1	3											
31	22UC3108	PROBLEM SOLVING & REASONING SKILLS-1	ESC	0	0	0	4	1	3				2									
32	22UC3209	PROBLEM SOLVING & REASONING SKILLS-2	ESC	0	0	0	4	1	3				2									
33	22BT1202	BIOCHEMICAL THERMODYNAMICS	ESC	3	0	2	0	4	3													3
34	22SC1203	COMPUTATIONAL THINKING FOR OBJECT-ORIENTED DESIGN	ESC	2	0	2	4	4	1	3	2			1		2	1					
35	22SC1201	OBJECT ORIENTED PROGRAMMING	ESC	3	0	4	0	5			2		3	2		2	1					
36	22SC1202	DATA STRUCTRES	ESC	3	0	2	4	5		3	3		3					2				
37	22BT2103R	BIOCHEMISTRY	PCC	2	0	2	0	3	2	2											3	3
38	22BT2103A	BIOCHEMISTRY	PCC	3	0	4	0	5	2	2		2									3	3
39	22BT2103P	BIOCHEMISTRY	PCC	3	0	4	0	5	2	2		2									3	3
40	22BT2104	MICROBIOLOGY	PCC	2	0	2	0	3	2	2	2	3										3
41	22BT2105R	IMMUNOLOGY	PCC	2	0	4	0	4		3	2		3	3							3	
42	22BT2105A	IMMUNOLOGY	PCC	3	1	4	0	6		3	2	2	3	3							3	
43	22BT2105P	IMMUNOLOGY	PCC	3	1	4	0	6		3	2	2	3	3							3	

44	22BT2206	MOLECULAR BIOLOGY	PCC	3	0	0	0	3	3	2										3	
45	22BT2207R	BIOANALYTICAL TECHNIQUES	PCC	2	0	2	0	3	3						2	2				3	3
46	22BT2207A	BIOANALYTICAL TECHNIQUES	PCC	3	0	4	0	5	3						2	2				3	3
47	22BT2207P	BIOANALYTICAL TECHNIQUES	PCC	3	0	4	0	5	3						2	2				3	3
48	22BT2208	TRANSPORT PROCESS IN BIOLOGICAL SYSTEMS	PCC	2	0	4	0	4	3	2	3	2								3	3
49	22BT2209R	BIOCHEMICAL REACTION ENGINEERING	PCC	2	0	4	0	4		3	3		2	3						3	3
50	22BT2209A	BIOCHEMICAL REACTION ENGINEERING	PCC	3	1	4	0	6		3	3		2	3						3	3
51	22BT2209P	BIOCHEMICAL REACTION ENGINEERING	PCC	3	1	4	0	6		3	3		2	3						3	3
52	22BT3110R	GENETIC ENGINEERING	PCC	2	0	4	0	4	2						2	2				2	2
53	22BT3110A	GENETIC ENGINEERING	PCC	3	1	4	0	6	2						2	2				2	2
54	22BT3110P	GENETIC ENGINEERING	PCC	3	1	4	0	6	2						2	2				2	2
55	22BT3111	FERMENTATION TECHNOLOGY	PCC	2	0	2	0	3	2	2		2			2	2	2			3	3
56	22BT3212	PLANT AND ANIMAL BIOTECHNOLOGY	PCC	2	0	4	0	4	3	2		3								3	3
57	22BT3213R	DOWNSTREAM PROCESSING	PCC	2	0	4	0	4		3		2	3							3	3
58	22BT3213A	DOWNSTREAM PROCESSING	PCC	3	1	4	0	6		3		2	3							3	3
59	22BT3213P	DOWNSTREAM PROCESSING	PCC	3	1	4	0	6		3		2	3							3	3
60	22BT2221	PROCESS ENGINEERING PRINCIPLES	FC-1	2	0	2	0	3	3	3		2	3								3
61	22BT2222	BIOPROCESS DYNAMICS AND CONTROL	FC-1	2	0	2	0	3	3	3	3									3	3
62	22BT2223	BIORESOURCE TECHNOLOGY	FC-1	2	0	2	0	3	2	2		2			2	2	2			3	3
63	22BT2224	BIOREACTOR OPERATIONS	FC-1	2	0	2	0	3	2	2		2			2	2	2			3	3
64	22BT2225	UNIT OPERATIONS FOR FOOD TECHNOLOGY	FC-1	2	0	2	0	3	2	2		2			2	2	2			3	3
65	22BT2226	BIOMINING	FC-1	2	0	2	0	3	2	2		2			2	2	2			3	3



88	22ABT3406M	AGRIBUSINESS AND ENTERPRENERSHIP
89	22ABT3406MA	AGRIBUSINESS AND ENTERPRENERSHIP
90	22ABT3507	MOLECULAR BREEDING IN FIELD CROPS
91	22ABT3508	PLANT BREEDING
92	22BIS3101R	MOLECULAR MODELING AND DRUG DESIGN
93	22BIS3101A	MOLECULAR MODELING AND DRUG DESIGN
94	22BIS3101P	MOLECULAR MODELING AND DRUG DESIGN
95	22BIS3202	BIOMEDICAL INFORMATICS
96	22BIS3203	PYHTON AND R PROGRAMMING
97	22BIS3304R	STRUCTURAL BIOLOGY
98	22BIS3304A	STRUCTURAL BIOLOGY
99	22BIS3304P	STRUCTURAL BIOLOGY
100	22BIS3405M	APPLIED BIOINFORMATICS
101	22BIS3405MA	APPLIED BIOINFORMATICS
102	22BIS3406M	NGS SEQUENCING AND DATA ANALYSIS
103	22BIS3406MA	NGS SEQUENCING AND DATA ANALYSIS
104	22BIS3507	SYSTEMS BIOLOGY
105	22BIS3508	DATABASE MANAGEMENT SYSTEM FOR BIOLOG
106	22GEG3101R	MOLECULAR GENETICS
107	22GEG3101A	MOLECULAR GENETICS
108	22GEG3101P	MOLECULAR GENETICS
109	22GEG3202	MOLECULAR EXPRESSION TECHNOLOGY

BIOINFORM  
ATICS  
SPECILLIZA  
TION

3	0	0	0	3	3	3		3								3		3	3
4	0	0	0	4	3	3		3								3		3	3
2	0	2	0	3	3	3		3										3	3
2	0	2	0	3	3	3		3										3	3
2	0	2	4	4		2	3	2	2									2	2
3	0	4	4	6		2	3	2	2									2	2
3	0	4	4	6		2	3	2	2									2	2
2	0	2	0	3		2								2	2			2	2
2	0	2	0	3				3	3							3		3	3
2	0	2	4	4			2	2	2	2								2	2
3	0	4	4	6			2	2	2	2								2	2
3	0	4	4	6			2	2	2	2								2	2
3	0	0	0	3			2	2		2								2	2
4	0	0	0	4			2	2		2								2	2
3	0	0	0	3			2	2		2	2							2	2
4	0	0	0	4			2	2		2	2							2	2
2	0	2	0	3			3	3	3	3								3	3
2	0	2	0	3				3	3		3					2		3	
2	0	2	4	4		3	3		3									3	
3	0	4	4	6		3	3		3									3	
3	0	4	4	6		3	3		3									3	
2	0	2	0	3	3			3				3	3					3	









176	22SDBT10A	MASS SPECTROMETRY BASED PROTEOMICS	SDC-4	0	0	6	4	4	2	2	3		3							3	3	
177	22SDBT10P	MASS SPECTROMETRY BASED PROTEOMICS	SDC-4	0	0	6	4	4	2	2	3		3							3	3	
178	22SDBT11R	ANIMAL PHYSIOLOGY	SDC-4	0	0	2	4	3	2	2	3		3							3	3	
179	22SDBT11A	ANIMAL PHYSIOLOGY	SDC-4	0	0	6	4	4	2	2	3		3							3	3	
180	22SDBT11P	ANIMAL PHYSIOLOGY	SDC-4	0	0	6	4	4	2	2	3		3							3	3	
181	22TBBT01	DOCKING	TBL-1	0	0	0	4	0	2	2	3		3							3	3	
182	22TBBT02	BIOVIVA	TBL-2	0	0	0	4	0	2	2	3		3							3	3	
183	22IE2040	SOCIAL INTERNSHIP	PRI	0	0	0	4	0	2	3	3	3	3	3		2	2		2		3	3
184	22IE3041	TECHNICAL INTERNSHIP	PRI	0	0	0	8	0	2	3	3	3	3	3		2	2		2		3	3
185	22IE4043	RESEARCH INTERNSHIP	PRI	0	0	0	8	0	2	3	3	3	3	3		2	2		2		3	3
186	22IE3042	RESEARCH SEMINAR	PRI	0	0	2	4	2	2	3	3	3	3	3		2	2		2		3	3
187	22IE3043	TERM PAPER	PRI	0	0	4	0	2	2	3	3	3	3	3		2	2		2		3	3
188	22IE4053R	ENGINEERING CAPSTONE PROJECT - PHASE 1	PRI	0	0	6	12	6		3	3		3	2	2	2	3	2	2		3	3
189	22IE4053A	ENGINEERING CAPSTONE PROJECT - PHASE 1	PRI	0	0	8	16	8		3	3		3	2	2	2	3	2	2		3	3
190	22IE4054R	ENGINEERING CAPSTONE PROJECT - PHASE 2	PRI	0	0	6	12	6		3	3		3	2	2	2	3	2	2		3	3
191	22IE4054A	ENGINEERING CAPSTONE PROJECT - PHASE 2	PRI	0	0	8	16	8		3	3		3	2	2	2	3	2	2		3	3
192	22IE4048	ENGINEERING PROJECT	PRI	0	0	6	12	6		3	3		3	2	2	2	3	2	2		3	3
193	22IE4051	INDUSTRIAL INTERNSHIP - PHASE 1	PRI	0	0	0	24	6	2	3	3	3	3	3		2	2		2		3	3
194	22IE4052	INDUSTRIAL INTERNSHIP - PHASE 2	PRI	0	0	0	24	6	2	3	3	3	3	3		2	2		2		3	3
195	22IE4042	INDUSTRIAL INTERNSHIP	PRI	0	0	0	24	6	2	3	3	3	3	3		2	2		2		3	3
196		OPEN ELECTIVE - 1	OEC	3	0	0	0	3		2		2										
197		OPEN ELECTIVE - 2	OEC	3	0	0	0	3						3	3						3	3

198		OPEN ELECTIVE - 3	OEC	3	0	0	0	3						3	3					3		3
199		VALUE ADDED COURSE-1	VAC	0	0	0	8	0						3	3	3		3	3			3
200		VALUE ADDED COURSE-2	VAC	0	0	0	8	0						3	3	3		3	3			3
201		VALUE ADDED COURSE-3	VAC	0	0	0	8	0						3	3	3		3	3			3
202		VALUE ADDED COURSE-4	VAC	0	0	0	8	0						3	3	3		3	3			3
203		VALUE ADDED COURSE-5	VAC	0	0	0	8	0						3	3	3		3	3			3
204		SPORTS/YOGA CERTIFICATION	VAC	0	0	0	8	0						3	3	3	3					3