

**Practical sessions integrated with theory courses  
and  
Computer simulations for advanced subjects**



## VIGNAN'S FOUNDATION FOR SCIENCE, TECHNOLOGY AND RESEARCH

Sl. No	Branch	Code	Subject Name	C
1	AHS(AG-B.Sc)	22AH901	BASICS OF CROP PRODUCTION AND PRECISION FARMING	4
2	AHS(AG-B.Sc)	22AH902	HI-TECH HORTICULTURE	4
3	AHS(AG-B.Sc)	22AH903	AGRIBUSINESS MANAGEMENT	4
4	AHS(AG-B.Sc)	22AH904	SOILLESS FARMING (HYDROPONICS, AEROPONICS AND AQUAPONICS)	4
5	AHS(AG-B.Sc)	22AH905	DIGITAL AGRICULTURE	4
6	AHS(AG-B.Sc)	22AH906	MINI PROJECT	4
7	BI	22BT103	IT WORKSHOP AND BIOPRODUCTS	3
8	BI	22EE101	BASICS OF ELECTRICAL AND ELECTRONICS ENGINEERING	3
9	BI	22TP103	PROGRAMMING IN C	4
11	BI	22PY101	APPLIED PHYSICS	3
12	BI	22SA101	PHYSICAL FITNESS, SPORTS AND GAMES – I	1
14	BI	22EN102	ENGLISH PROFICIENCY AND COMMUNICATION SKILLS	1
15	BI	22ME101	ENGINEERING GRAPHICS	3
16	BI	22TP104	BASIC CODING COMPETENCY	2
17	BI	22CT104	ORGANIC CHEMISTRY	3
19	BI	22SA102	ORIENTATION SESSION	3
20	BI	22SA103	PHYSICAL FITNESS, SPORTS AND GAMES – II	1
21	BI	22EN104	TECHNICAL ENGLISH COMMUNICATION	3
22	BI	22BT101	CELL AND MOLECULAR BIOLOGY	4
23	BI	22TP201	DATA STRUCTURES	4
24	BI	22CT201	ENVIRONMENTAL STUDIES	1
25	BI	22ST201	BIOSTATISTICS AND DESIGN OF EXPERIMENTS	4
26	BI	22SA201	LIFE SKILLS-I	1
27	BI	22BI201	ALGORITHMS IN BIOINFORMATICS	3
28	BI	22BI202	BIOLOGICAL DATABASES	4
29	BI	22BT201	BIOCHEMISTRY AND ENZYMOLOGY	4
30	BI	22TP203	ADVANCED CODING COMPETENCY	1
31	BI	22SA202	LIFE SKILLS-II	1
33	BI	22TP204	PROFESSIONAL COMMUNICATION	1
34	BI	22BI203	COMPUTER AIDED DRUG DESIGN	4
35	BI	22BI204	STRUCTURAL BIOINFORMATICS AND INSTRUMENTAL TECHNIQUES	3
36	BI	22BT203	MICROBIOLOGY AND FERMENTATION TECHNOLOGY	4
37	BI	22BI305	INDUSTRY INTERFACE COURSE	1
38	BI	22TP301	SOFT SKILLS LABORATORY	1
39	BI	22BI301	IMMUNOLOGY AND IMMUNOINFORMATICS	4
40	BI	22BI302	MOLECULAR MODELLING AND SIMULATIONS	4
41	BI	22BI303	R PROGRAMMING FOR BIOLOGICAL DATA SCIENCES	4

42	BI	22BI304	INTER DEPARTMENTAL PROJECT – PHASE I	0
44	BI	22BI306	DATA MINING AND MACHINE LEARNING FOR BIOINFORMATICS	4
45	BI	22BI307	MOLECULAR PHYLOGENETICS	3
46	BI	22BI308	INTER DEPARTMENTAL PROJECT – PHASE II	2
47	BI	22BI401	NEXT GENERATION SEQUENCING	4
48	BI	22BI402	SYSTEMS BIOLOGY	4
49	BI	22BI403	INTERNSHIP	12
50	BI	22BI404	PROJECT WORK	12
51	BI	22BI801	BIOPERL	3
53	BI	22BI803	CLINICAL DATA MANAGEMENT	3
54	BI	22BI804	EXPRESSION DATA AND IMAGE ANALYSIS	3
55	BI	22BI805	HEALTH ANALYTICS	3
56	BI	22BI806	NEURAL NETWORKS	3
57	BI	22BI807	PROBIOTICS AND FOOD MICROBIOLOGY	3
60	BI	22BT807	GENOMICS AND PROTEOMICS	3
61	BI	22BT809	METABOLIC ENGINEERING	3
62	BI	22BT815	VACCINOLOGY	3
64	BI	22BT827	PYTHON PROGRAMMING FOR BIOTECHNOLOGISTS	3
66	BI	22BI808	BIOLOGICAL BIG DATA MANAGEMENT AND ANALYTICS	3
67	BI	22BI809	CHEMINFORMATICS AND QSAR	3
68	BI	22BI810	GOOD LABORATORY PRACTICES	3
69	BI	22BI811	SYNTHETIC BIOLOGY	3
73	BI	22BT811	PHYTOPHARMA	3
74	BI	22BT813	PLANT TISSUE CULTURE AND TRANSGENICS	3
76	BI	22BI951	PHARMACOGENOMICS	4
77	BI	22BI952	METABOLOMICS	4
78	BI	22BI953	COMPARATIVE & FUNCTIONAL GENOMICS	4
79	BI	22BI954	PROJECT	4
80	BI	22BT953	METAGENOMICS	4
81	BI	22BI901	ELEMENTS OF BIOTECHNOLOGY AND BIOINFORMATICS	4
82	BI	22BI902	FUNDAMENTALS OF FORENSIC SCIENCES	4
83	BI	22BI903	NEXT GENERATION SEQUENCING	4
84	BI	22BI904	FORENSIC GENOMICS	4
85	BI	22BI905	AI IN GENOMICS AND DRUG DESIGN	4
86	BI	22BI906	PROJECT	4
87	BI	22BI851	ELEMENTS OF BIOINFORMATICS	3
89	BI	22BI853	COMPUTER-AIDED DRUG DESIGN	3
90	BI	22BI854	VACCINE DESIGN	3
91	BI	22BT853	COMPUTATIONAL BIOLOGY	3
92	BME	22CS103	IT WORKSHOP AND TOOLS	3
93	BME	22EE101	BASICS OF ELECTRICAL AND ELECTRONICS ENGINEERING	3
94	BME	22TP103	PROGRAMMING IN C	4
96	BME	22PY101	APPLIED PHYSICS	3
97	BME	22SA101	PHYSICAL FITNESS, SPORTS AND GAMES – I	1
99	BME	22EN102	ENGLISH PROFICIENCY AND COMMUNICATION SKILLS	1

100	BME	22ME101	ENGINEERING GRAPHICS	3
101	BME	22TP104	BASIC CODING COMPETENCY	2
103	BME	22SA102	ORIENTATION SESSION	3
104	BME	22SA103	PHYSICAL FITNESS, SPORTS AND GAMES – II	1
105	BME	22EN104	TECHNICAL ENGLISH COMMUNICATION	3
106	BME	22BM101	CLINICAL BIOCHEMISTRY	3
107	BME	22BM102	FUNDAMENTALS OF ANATOMY AND PHYSIOLOGY	4
108	BME	22TP201	DATA STRUCTURES	4
109	BME	22CT201	ENVIRONMENTAL STUDIES	1
111	BME	22SA201	LIFE SKILLS-I	1
113	BME	22BM201	ANALOG ELECTRONIC CIRCUITS	4
116	BME	22TP203	ADVANCED CODING COMPETENCY	1
117	BME	22SA202	LIFE SKILLS-II	1
118	BME	22TP204	PROFESSIONAL COMMUNICATION	1
119	BME	22BM204	BIOMEDICAL INSTRUMENTATION	4
120	BME	22BM206	ANALOG AND DIGITAL ICS	4
122	BME	22BM208	BIOMEDICAL SIGNALS AND SYSTEMS	4
123	BME	22TP301	SOFT SKILLS LABORATORY	1
124	BME	22BM301	ANALOG AND DIGITAL COMMUNICATION	3
125	BME	22BM302	MICROPROCESSORS AND MICROCONTROLLERS	4
126	BME	22BM303	DIAGNOSTIC AND THERAPEUTIC EQUIPMENTS	3
127	BME	22BM304	BIOMECHANICS	3
128	BME	22BM305	ONSITE TRAINING	2
130	BME	22BM306	INTER DEPARTMENTAL PROJECT – PHASE I	0
131	BME	22BM307	BIOMEDICAL SIGNAL PROCESSING	4
133	BME	22BM309	INDUSTRY INTERFACE COURSE	1
134	BME	22BM310	INTER DEPARTMENTAL PROJECT – PHASE II	2
135	BME	22BM401	BIOSENSORS AND TRANSDUCERS	4
136	BME	22BM402	MEDICAL IMAGE PROCESSING	4
137	BME	22BM404	PROJECT WORK	12
138	BME	22BM403	INTERNSHIP	12
140	BME	22BM802	ASSISTIVE DEVICES AND IMPLANT TECHNOLOGY	3
143	BME	22BM805	EMBEDDED SYSTEM AND IOT IN HEALTH CARE	3
145	BME	22BM807	FIBER OPTICS AND LASERS IN MEDICINE	3
147	BME	22BM809	SOFT COMPUTING TECHNIQUES	3
149	BME	22BM811	MEDICAL EQUIPMENT MAINTENANCE AND TROUBLESHOOTING	3
150	BME	22BM812	ROBOTICS AND AUTOMATION IN MEDICINE	3
151	BME	22BM813	MACHINE VISION IN MEDICAL TECHNOLOGY	3
152	BME	22BM814	VIRTUAL BIO-INSTRUMENTATION	3
154	BME	22BM816	VLSI FOR BIOENGINEERS	3
159	BME	22BM955	MACHINE VISION IN MEDICAL TECHNOLOGY	4
161	BME	22BM957	ROBOTICS AND AUTOMATION IN MEDICINE	4
162	BME	22BM958	VIRTUAL REALITY	4
164	BME	22BM902	DIAGNOSTIC AND THERAPEUTIC EQUIPMENTS	4
165	BME	22BM903	BIOMEDICAL SIGNAL PROCESSING	4

167	BME	22BM905	MEDICAL IMAGE PROCESSING	4
173	BT	22BT103	IT WORKSHOP AND BIOPRODUCTS	3
174	BT	22EE101	BASICS OF ELECTRICAL AND ELECTRONICS ENGINEERING	3
175	BT	22TP103	PROGRAMMING IN C	4
177	BT	22PY101	APPLIED PHYSICS	3
178	BT	22SA101	PHYSICAL FITNESS, SPORTS AND GAMES – I	1
180	BT	22EN102	ENGLISH PROFICIENCY AND COMMUNICATION SKILLS	1
181	BT	22ME101	ENGINEERING GRAPHICS	3
182	BT	22TP104	BASIC CODING COMPETENCY	2
183	BT	22CT104	ORGANIC CHEMISTRY	3
185	BT	22SA102	ORIENTATION SESSION	3
186	BT	22SA103	PHYSICAL FITNESS, SPORTS AND GAMES – II	1
187	BT	22EN104	TECHNICAL ENGLISH COMMUNICATION	3
189	BT	22TP201	DATA STRUCTURES	4
190	BT	22ST201	BIostatISTICS AND DESIGN OF EXPERIMENTS	4
191	BT	22SA201	LIFE SKILLS-I	1
192	BT	22BT101	CELL AND MOLECULAR BIOLOGY	4
193	BT	22BT201	BIOCHEMISTRY AND ENZYMOLOGY	4
194	BT	22BT202	CHEMICAL ENGINEERING PRINCIPLES IN BIOTECHNOLOGY	3
195	BT	22BT203	MICROBIOLOGY AND FERMENTATION TECHNOLOGY	4
196	BT	22TP203	ADVANCED CODING COMPETENCY	1
197	BT	22CT201	ENVIRONMENTAL STUDIES	1
198	BT	22SA202	LIFE SKILLS-II	1
200	BT	22TP204	PROFESSIONAL COMMUNICATION	1
201	BT	22BT204	BIOANALYTICAL TECHNIQUES	4
202	BT	22BT205	INDUSTRIAL BIOTECHNOLOGY	4
203	BT	22BT305	INDUSTRY INTERFACE COURSE	1
204	BT	22TP301	SOFT SKILLS LABORATORY	1
205	BT	22BT301	BIOPROCESS ENGINEERING	4
206	BT	22BT302	GENETIC ENGINEERING	4
207	BT	22BT303	HEAT AND MASS TRANSFER	3
208	BT	22BT304	INTER DEPARTMENTAL PROJECT – PHASE I	0
210	BT	22BT306	BIOINFORMATICS	4
211	BT	22BT307	BIOREACTION ENGINEERING	4
212	BT	22BT308	INTER DEPARTMENTAL PROJECT – PHASE II	2
213	BT	22BI301	IMMUNOLOGY AND IMMUNOINFORMATICS	4
214	BT	22BT401	DOWN STREAM PROCESSING	4
215	BT	22BT403	PROJECT WORK	12
222	BT	22BT807	GENOMICS AND PROTEOMICS	3
224	BT	22BT809	METABOLIC ENGINEERING	3
226	BT	22BT811	PHYTOPHARMA	3
227	BT	22BT812	PLANT TAXONOMY, COMPUTER APPLICATIONS AND DNA BARCODING	3
228	BT	22BT813	PLANT TISSUE CULTURE AND TRANSGENICS	3
229	BT	22BT814	SOLID WASTE MANAGEMENT	3
230	BT	22BT815	VACCINOLOGY	3

231	BT	22BT816	ALGORITHMS IN BIOINFORMATICS	3
234	BT	22BT819	COMPUTER AIDED DRUG DESIGN	3
235	BT	22BT820	HANDLING OF ANIMALS FOR EXPERIMENTS	3
238	BT	22BT823	METHODS AND PRACTICE OF ANIMAL AND HUMAN CELL CULTURE	3
239	BT	22BT824	MOLECULAR INTERACTIONS	3
242	BT	22BT827	PYTHON PROGRAMMING FOR BIOTECHNOLOGISTS	3
244	BT	22BT829	SYSTEMS BIOLOGY	3
246	BT	22BT951	PROBIOTICS AND FUNCTIONAL FOODS	4
248	BT	22BT953	METAGENOMICS	4
249	BT	22BT954	NEXT GENERATION SEQUENCING	4
250	BT	22BT955	PROJECT	4
251	BT	22BT901	MOLECULAR DIAGNOSTICS	4
253	BT	22BT903	VACCINE PREVENTABLE DISEASES	4
254	BT	22BT904	MEDICINAL PLANTS AND ETHNOBOTANY	4
256	BT	22BT906	PROJECT	4
258	BT	22BT852	BIOPLASTICS AND BIOCOSMOS	3
259	BT	22BT853	COMPUTATIONAL BIOLOGY	3
261	CHEM	22CH101	IT WORKSHOP AND CHEMICAL ENGINEERING PRODUCTS	3
262	CHEM	22EE101	BASICS OF ELECTRICAL AND ELECTRONICS ENGINEERING	3
263	CHEM	22TP103	PROGRAMMING IN C	4
264	CHEM	22CT101	APPLIED CHEMISTRY	3
266	CHEM	22SA101	PHYSICAL FITNESS, SPORTS AND GAMES – I	1
268	CHEM	22EN102	ENGLISH PROFICIENCY AND COMMUNICATION SKILLS	1
269	CHEM	22ME101	ENGINEERING GRAPHICS	3
270	CHEM	22TP104	BASIC CODING COMPETENCY	2
272	CHEM	22PY102	ENGINEERING PHYSICS	3
273	CHEM	22SA102	ORIENTATION SESSION	3
274	CHEM	22SA103	PHYSICAL FITNESS, SPORTS AND GAMES – II	1
275	CHEM	22EN104	TECHNICAL ENGLISH COMMUNICATION	3
276	CHEM	22CT105	ORGANIC CHEMISTRY FOR CHEMICAL ENGINEERS	4
277	CHEM	22TP201	DATA STRUCTURES	4
279	CHEM	22SA201	LIFE SKILLS-I	1
282	CHEM	22CH203	MOMENTUM TRANSFER	4
283	CHEM	22CH204	MECHANICAL UNIT OPERATIONS	4
284	CHEM	22TP203	ADVANCED CODING COMPETENCY	1
285	CHEM	22CT201	ENVIRONMENTAL STUDIES	1
286	CHEM	22SA202	LIFE SKILLS-II	1
288	CHEM	22TP204	PROFESSIONAL COMMUNICATION	1
290	CHEM	22CH206	PROCESS HEAT TRANSFER	4
291	CHEM	22TP301	SOFT SKILLS LABORATORY	1
292	CHEM	22CH301	CHEMICAL REACTION ENGINEERING - I	4
293	CHEM	22CH302	MASS TRANSFER OPERATIONS - I	4
294	CHEM	22CH303	PROCESS DYNAMICS AND CONTROL	4
295	CHEM	22CH304	INTER DEPARTMENTAL PROJECT – PHASE I	0
297	CHEM	22CH305	CHEMICAL REACTION ENGINEERING - II	4

298	CHEM	22CH306	MASS TRANSFER OPERATIONS - II	4
299	CHEM	22CH307	INTER DEPARTMENTAL PROJECT – PHASE II	2
300	CHEM	22CH405	INDUSTRY INTERFACE COURSE	1
302	CHEM	22CH402	CHEMICAL TECHNOLOGY	4
303	CHEM	22CH403	INTERNSHIP	12
304	CHEM	22CH404	PROJECT WORK	12
340	Chemistry	22CT854	COMPUTATIONAL CHEMISTRY	3
346	CIVIL	22CE101	IT WORKSHOP AND CIVIL ENGINEERING PRODUCTS.	3
347	CIVIL	22ME101	ENGINEERING GRAPHICS	3
348	CIVIL	22TP103	PROGRAMMING IN C	4
350	CIVIL	22PY102	ENGINEERING PHYSICS	3
351	CIVIL	22SA101	PHYSICAL FITNESS, SPORTS AND GAMES – I	1
353	CIVIL	22EN102	ENGLISH PROFICIENCY AND COMMUNICATION SKILLS	1
354	CIVIL	22EE101	BASICS OF ELECTRICAL AND ELECTRONICS ENGINEERING	3
355	CIVIL	22TP104	BASIC CODING COMPETENCY	2
356	CIVIL	22CT103	ENGINEERING CHEMISTRY	3
358	CIVIL	22SA102	ORIENTATION SESSION	3
359	CIVIL	22SA103	PHYSICAL FITNESS, SPORTS AND GAMES – II	1
360	CIVIL	22EN104	TECHNICAL ENGLISH COMMUNICATION	3
362	CIVIL	22TP201	DATA STRUCTURES	4
363	CIVIL	22CT201	ENVIRONMENTAL STUDIES	1
365	CIVIL	22SA201	LIFE SKILLS-I	1
366	CIVIL	22CE201	FLUID MECHANICS AND HYDRAULIC MACHINES	4
367	CIVIL	22CE202	BUILDING MATERIALS AND CONCRETE TECHNOLOGY	4
368	CIVIL	22CE203	SURVEYING AND GEOMATICS	4
370	CIVIL	22TP203	ADVANCED CODING COMPETENCY	1
371	CIVIL	22SA202	LIFE SKILLS-II	1
373	CIVIL	22TP204	PROFESSIONAL COMMUNICATION	1
374	CIVIL	22CE205	ENVIRONMENTAL ENGINEERING	4
376	CIVIL	22CE305	INDUSTRY INTERFACE COURSE	1
377	CIVIL	22TP301	SOFT SKILLS LABORATORY	1
378	CIVIL	22CE301	DESIGN OF REINFORCED CONCRETE STRUCTURES	4
379	CIVIL	22CE302	GEOTECHNICAL ENGINEERING	4
380	CIVIL	22CE303	TRANSPORTATION ENGINEERING	4
381	CIVIL	22CE304	INTER DEPARTMENTAL PROJECT – PHASE I	0
384	CIVIL	22CE307	WATER RESOURCE ENGINEERING	3
385	CIVIL	22CE308	INTER DEPARTMENTAL PROJECT – PHASE II	2
386	CIVIL	22CE401	ENGINEERING ECONOMICS, ESTIMATION AND COSTING	4
387	CIVIL	22CE402	ENGINEERING GEOLOGY	4
388	CIVIL	22CE403	INTERNSHIP	12
390	CIVIL	22CE812	ADVANCED REINFORCED CONCRETE DESIGN	3
391	CIVIL	22CE810	ADVANCED REMOTE SENSING	3
397	CIVIL	22CE811	FINITE ELEMENT ANALYSIS	3
400	CIVIL	22CE807	REMOTE SENSING AND GEOGRAPHICAL INFORMATION SYSTEM	3
415	CIVIL	22CE959	INTELLIGENT TRANSPORTATION SYSTEMS	4

433	CIVIL	22CE916	PROJECT WORK	4
439	CIVIL	22CE916	PROJECT WORK	4
445	CIVIL	22CE916	PROJECT WORK	4
452	CSE	22CS103	IT WORKSHOP AND TOOLS	3
453	CSE	22EE101	BASICS OF ELECTRICAL AND ELECTRONICS ENGINEERING	3
454	CSE	22TP103	PROGRAMMING IN C	4
456	CSE	22PY105	SEMICONDUCTOR PHYSICS AND ELECTROMAGNETICS	3
457	CSE	22SA101	PHYSICAL FITNESS, SPORTS AND GAMES – I	1
459	CSE	22EN102	ENGLISH PROFICIENCY AND COMMUNICATION SKILLS	1
460	CSE	22ME101	ENGINEERING GRAPHICS	3
461	CSE	22TP104	BASIC CODING COMPETENCY	2
464	CSE	22SA102	ORIENTATION SESSION	3
465	CSE	22SA103	PHYSICAL FITNESS, SPORTS AND GAMES – II	1
466	CSE	22EN104	TECHNICAL ENGLISH COMMUNICATION	3
467	CSE	22CS104	PYTHON PROGRAMMING	3
468	CSE	22TP201	DATA STRUCTURES	4
469	CSE	22CT201	ENVIRONMENTAL STUDIES	1
471	CSE	22SA201	LIFE SKILLS-I	1
473	CSE	22CS201	DATABASE MANAGEMENT SYSTEMS	4
474	CSE	22CS202	DIGITAL LOGIC DESIGN	3
475	CSE	22CS203	OBJECT ORIENTED PROGRAMMING THROUGH JAVA	4
476	CSE	22TP203	ADVANCED CODING COMPETENCY	1
477	CSE	22SA202	LIFE SKILLS-II	1
478	CSE	22TP204	PROFESSIONAL COMMUNICATION	1
480	CSE	22CS206	DESIGN AND ANALYSIS OF ALGORITHMS	4
481	CSE	22CS207	OPERATING SYSTEMS	3
483	CSE	22CS305	INDUSTRY INTERFACE COURSE	1
484	CSE	22TP301	SOFT SKILLS LABORATORY	1
487	CSE	22CS303	WEB TECHNOLOGIES	4
488	CSE	22CS304	INTER DEPARTMENTAL PROJECT – PHASE I	0
490	CSE	22CS204	COMPUTER NETWORKS	4
491	CSE	22CS306	DATA MINING TECHNIQUES	3
492	CSE	22CS307	SOFTWARE ENGINEERING	3
493	CSE	22CS308	INTER DEPARTMENTAL PROJECT – PHASE II	2
494	CSE	22CS401	CRYPTOGRAPHY AND NETWORK SECURITY	4
495	CSE	22CS402	BIG DATA ANALYTICS	4
496	CSE	22CS403	CLOUD COMPUTING	4
497	CSE	22CS405	PROJECT WORK	12
498	CSE	22CS404	INTERNSHIP	12
499	CSE	22CS801	ADVANCED DATA STRUCTURES	4
500	CSE	22CS951	ADVANCED GRAPH ALGORITHMS	4
501	CSE	22CS802	ADVANCED JAVA PROGRAMMING	4
502	CSE	22CS952	BIOMETRICS	4
503	CSE	22CS803	COMPUTER GRAPHICS	4
504	CSE	22CS804	DEEP LEARNING	4
505	CSE	22CS805	DIGITAL IMAGE PROCESSING	4



506	CSE	22CS954	INTERNET OF THINGS	4
507	CSE	22CS806	MACHINE LEARNING	4
508	CSE	22CS807	MOBILE AD-HOC NETWORKS	4
509	CSE	22CS808	MOBILE APPLICATION DEVELOPMENT	4
510	CSE	22CS809	TEXT MINING	4
512	CSE	22CS811	OPERATING SYSTEM DESIGN	4
515	CSE	22CS813	SIMULATION & MODELING	4
516	CSE	22CS955	WIRELESS SENSOR NETWORKS	4
517	CSE	22CS956	CAPSTONE PROJECT	4
518	CSE - AI & ML	22AM901	ARTIFICIAL INTELLIGENCE	4
519	CSE - AI & ML	22AM902	COMPUTER VISION	4
520	CSE - AI & ML	22AM903	DATA WRANGLING & VISUALIZATION	4
521	CSE - AI & ML	22AM904	DEEP LEARNING	4
522	CSE - AI & ML	22AM905	DIGITAL IMAGE PROCESSING	4
523	CSE - AI & ML	22AM906	MACHINE LEARNING	4
524	CSE - AI & ML	22AM907	INTRODUCTION TO PYTHON PROGRAMMING	4
525	CSE - AI & ML	22AM908	TEXT MINING	4
527	CSE - AI & ML	22CS909	CAPSTONE PROJECT	4
528	CSE - AI & ML	22AM951	OPTIMIZATION TECHNIQUES	4
530	CSE - AI & ML	22AM953	KERNEL METHODS FOR PATTERN ANALYSIS	4
532	CSE - AI & ML	22AM955	CAPSTONE PROJECT	4
533	CSE	22CS901	INTRODUCTION TO PYTHON PROGRAMMING	4
534	CSE	22CS902	OOPS THROUGH JAVA	4
535	CSE	22CS903	DATABASE MANAGEMENT SYSTEMS	4
536	CSE	22CS904	WEB TECHNOLOGIES	4
537	CSE	22CS905	MOBILE APPLICATION DEVELOPMENT	4
538	CSE	22CS906	DESIGN AND ANALYSIS OF ALGORITHMS	4
539	CSE	22CS907	OPERATING SYSTEMS AND SHELL PROGRAMMING	4
540	CSE	22CS908	COMPUTER NETWORKS	4
541	CSE	22CS909	CAPSTONE PROJECT	4
542	CSE - CS	22CS909	CAPSTONE PROJECT	4
543	CSE - CS	22CY901	INTRODUCTION TO BLOCK CHAIN TECHNOLOGY	4
544	CSE - CS	22CY902	INTRODUCTION TO DIGITAL FORENSICS	4
546	CSE - CS	22CY904	FUNDAMENTALS OF CRYPTOGRAPHY	4
547	CSE - CS	22CY905	TOOLS AND TECHNIQUES FOR ETHICAL HACKING	4
548	CSE - CS	22CY906	NETWORK SECURITY	4
549	CSE	22CS851	DATABASE SYSTEMS	3
550	CSE	22CS852	MOBILE APPLICATION DESIGN AND DEVELOPMENT	3
551	CSE	22CS853	JAVA PROGRAMMING	3
552	CSE	22CS854	PYTHON PROGRAMMING	3
553	CSE	22CS855	DESIGN AND DEVELOPMENT OF INTERNET APPLICATIONS	3
554	CSE - AI & ML	22CS103	IT WORKSHOP AND TOOLS	3
555	CSE - AI & ML	22EE101	BASICS OF ELECTRICAL AND ELECTRONICS ENGINEERING	3
556	CSE - AI & ML	22TP103	PROGRAMMING IN C	4
558	CSE - AI & ML	22PY105	SEMICONDUCTOR PHYSICS AND ELECTROMAGNETICS	3
559	CSE - AI & ML	22SA101	PHYSICAL FITNESS, SPORTS AND GAMES – I	1

561	CSE - AI & ML	22EN102	ENGLISH PROFICIENCY AND COMMUNICATION SKILLS	1
562	CSE - AI & ML	22ME101	ENGINEERING GRAPHICS	3
563	CSE - AI & ML	22TP104	BASIC CODING COMPETENCY	2
566	CSE - AI & ML	22SA102	ORIENTATION SESSION	3
567	CSE - AI & ML	22SA103	PHYSICAL FITNESS, SPORTS AND GAMES – II	1
568	CSE - AI & ML	22EN104	TECHNICAL ENGLISH COMMUNICATION	3
569	CSE - AI & ML	22CS104	PYTHON PROGRAMMING	3
570	CSE - AI & ML	22TP202	DATA STRUCTURES USING PYTHON	4
571	CSE - AI & ML	22CT201	ENVIRONMENTAL STUDIES	1
572	CSE - AI & ML	22ST203	PROBABILITY AND STATISTICS FOR MACHINE LEARNING	4
573	CSE - AI & ML	22SA201	LIFE SKILLS-I	1
575	CSE - AI & ML	22AM201	ARTIFICIAL INTELLIGENCE	4
577	CSE - AI & ML	22CS201	DATABASE MANAGEMENT SYSTEMS	4
578	CSE - AI & ML	22TP203	ADVANCED CODING COMPETENCY	1
579	CSE - AI & ML	22SA202	LIFE SKILLS-II	1
580	CSE - AI & ML	22TP204	PROFESSIONAL COMMUNICATION	1
581	CSE - AI & ML	22AM203	DESIGN AND ANALYSIS OF ALGORITHMS USING PYTHON	4
582	CSE - AI & ML	22AM204	MACHINE LEARNING	4
583	CSE - AI & ML	22CS203	OBJECT ORIENTED PROGRAMMING THROUGH JAVA	4
584	CSE - AI & ML	22CS207	OPERATING SYSTEMS	3
585	CSE - AI & ML	22AM303	INDUSTRY INTERFACE COURSE	1
586	CSE - AI & ML	22TP301	SOFT SKILLS LABORATORY	1
587	CSE - AI & ML	22AM301	DEEP LEARNING	4
588	CSE - AI & ML	22CS204	COMPUTER NETWORKS	4
590	CSE - AI & ML	22AM302	INTER DEPARTMENTAL PROJECT – PHASE I	0
592	CSE - AI & ML	22AM304	FUNDAMENTALS OF IMAGE PROCESSING	3
593	CSE - AI & ML	22AM305	REINFORCEMENT LEARNING	3
594	CSE - AI & ML	22CS303	WEB TECHNOLOGIES	4
595	CSE - AI & ML	22AM306	INTER DEPARTMENTAL PROJECT – PHASE II	2
597	CSE - AI & ML	22AM402	TEXT MINING	4
598	CSE - AI & ML	22CS402	BIG DATA ANALYTICS	4
599	CSE - AI & ML	22AM404	PROJECT WORK	12
600	CSE - AI & ML	22AM403	INTERNSHIP	12
601	CSE - AI & ML	22AM801	CLOUD COMPUTING	4
603	CSE - AI & ML	22AM803	COMPUTER VISION	4
604	CSE - AI & ML	22AM804	CRYPTOGRAPHY & NETWORK SECURITY	4
605	CSE - AI & ML	22AM805	DATA SCIENCE USING PYTHON	4
606	CSE - AI & ML	22AM806	DATA WAREHOUSING AND DATA MINING	4
609	CSE - AI & ML	22AM809	INTRODUCTION TO SOFTWARE ENGINEERING	4
610	CSE - AI & ML	22AM810	INTERNET OF THINGS	4
611	CSE - AI & ML	22CS801	ADVANCED DATA STRUCTURES	4
612	CSE - AI & ML	22CS802	ADVANCED JAVA PROGRAMMING	4
613	CSE - AI & ML	22CS803	COMPUTER GRAPHICS	4
614	CSE - AI & ML	22CS808	MOBILE APPLICATION DEVELOPMENT	4
615	CSE - CS	22CS103	IT WORKSHOP AND TOOLS	3
616	CSE - CS	22EE101	BASICS OF ELECTRICAL AND ELECTRONICS ENGINEERING	3

617	CSE - CS	22TP103	PROGRAMMING IN C	4
619	CSE - CS	22PY105	SEMICONDUCTOR PHYSICS AND ELECTROMAGNETICS	3
621	CSE - CS	22SA101	PHYSICAL FITNESS, SPORTS AND GAMES – I	1
622	CSE - CS	22EN102	ENGLISH PROFICIENCY AND COMMUNICATION SKILLS	1
623	CSE - CS	22ME101	ENGINEERING GRAPHICS	3
624	CSE - CS	22TP104	BASIC CODING COMPETENCY	2
627	CSE - CS	22SA102	ORIENTATION SESSION	3
628	CSE - CS	22SA103	PHYSICAL FITNESS, SPORTS AND GAMES – II	1
629	CSE - CS	22EN104	TECHNICAL ENGLISH COMMUNICATION	3
630	CSE - CS	22CS104	PYTHON PROGRAMMING	3
631	CSE - CS	22TP201	DATA STRUCTURES	4
632	CSE - CS	22CT201	ENVIRONMENTAL STUDIES	1
634	CSE - CS	22SA201	LIFE SKILLS-I	1
636	CSE - CS	22CY202	INTRODUCTION TO PYTHON PROGRAMMING	4
638	CSE - CS	22CS201	DATABASE MANAGEMENT SYSTEMS	4
639	CSE - CS	22CS203	OBJECT ORIENTED PROGRAMMING THROUGH JAVA	4
640	CSE - CS	22TP203	ADVANCED CODING COMPETENCY	1
641	CSE - CS	22SA202	LIFE SKILLS-II	1
642	CSE - CS	22TP204	PROFESSIONAL COMMUNICATION	1
643	CSE - CS	22CS204	COMPUTER NETWORKS	4
644	CSE - CS	22CS206	DESIGN AND ANALYSIS OF ALGORITHMS	4
645	CSE - CS	22CS207	OPERATING SYSTEMS	3
647	CSE - CS	22CY302	INDUSTRY INTERFACE COURSE	1
648	CSE - CS	22TP301	SOFT SKILLS LABORATORY	1
649	CSE - CS	22CS303	WEB TECHNOLOGIES	4
650	CSE - CS	22CS401	CRYPTOGRAPHY AND NETWORK SECURITY	4
652	CSE - CS	22CY301	INTER DEPARTMENTAL PROJECT – PHASE I	0
655	CSE - CS	22CY303	BLOCK CHAIN TECHNOLOGY	3
656	CSE - CS	22CY304	DIGITAL FORENSICS	3
657	CSE - CS	22CY305	INTER DEPARTMENTAL PROJECT – PHASE II	2
658	CSE - CS	22CS403	CLOUD COMPUTING	4
659	CSE - CS	22CY401	INTERNET OF THINGS	4
660	CSE - CS	22CY402	WEB AND DATABASE SECURITY	4
661	CSE - CS	22CY404	PROJECT WORK	12
662	CSE - CS	22AM809	INTRODUCTION TO SOFTWARE ENGINEERING	4
663	CSE - CS	22CS806	MACHINE LEARNING	4
664	CSE - CS	22CS808	MOBILE APPLICATION DEVELOPMENT	4
665	CSE - CS	22CY801	BIG DATA ANALYTICS	4
666	CSE - CS	22CY802	INTRUSION DETECTION AND PREVENTION SYSTEM	4
667	CSE - CS	22CY803	SECURE CODING AND SOFTWARE SECURITY	4
668	CSE - CS	22CY804	TOOLS AND TECHNIQUES FOR ETHICAL HACKING	4
669	CSE - CS	22CY805	WIRELESS NETWORKS	4
670	CSE - CS	22CY951	MOBILE AND WIRELESS SECURITY	4
671	CSE - CS	22CY952	ADVANCED CRYPTOGRAPHY	4
672	CSE - CS	22CY953	MALWARE ANALYSIS	4
673	CSE - CS	22CY954	SECURITY AUDIT AND RISK ASSESSMENT	4

674	CSE - CS	22CY955	BIOMETRICS	4
675	CSE - CS	22CY956	CAPSTONE PROJECT	4
676	ECE	22CS103	IT WORKSHOP AND TOOLS	3
677	ECE	22EE101	BASICS OF ELECTRICAL AND ELECTRONICS ENGINEERING	3
678	ECE	22TP103	PROGRAMMING IN C	4
680	ECE	22PY104	PHYSICS FOR ELECTRONIC ENGINEERS	3
681	ECE	22SA101	PHYSICAL FITNESS, SPORTS AND GAMES – I	1
683	ECE	22EN102	ENGLISH PROFICIENCY AND COMMUNICATION SKILLS	1
684	ECE	22ME101	ENGINEERING GRAPHICS	3
685	ECE	22TP104	BASIC CODING COMPETENCY	2
686	ECE	22EC104	SEMICONDUCTOR PHYSICS AND DEVICES	3
688	ECE	22SA102	ORIENTATION SESSION	3
689	ECE	22SA103	PHYSICAL FITNESS, SPORTS AND GAMES – II	1
690	ECE	22EN104	TECHNICAL ENGLISH COMMUNICATION	3
692	ECE	22EE209	ELECTRICAL TECHNOLOGY	4
693	ECE	22TP201	DATA STRUCTURES	4
695	ECE	22SA201	LIFE SKILLS-I	1
696	ECE	22EC201	ANALOG CIRCUITS	4
697	ECE	22EC203	DIGITAL ELECTRONICS	4
698	ECE	22EC205	SIGNALS AND SYSTEMS	4
699	ECE	22TP203	ADVANCED CODING COMPETENCY	1
700	ECE	22CT201	ENVIRONMENTAL STUDIES	1
701	ECE	22SA202	LIFE SKILLS-II	1
703	ECE	22TP204	PROFESSIONAL COMMUNICATION	1
704	ECE	22EC206	COMMUNICATION SYSTEMS	4
707	ECE	22EC209	PRINTED CIRCUIT BOARD DESIGN	1
708	ECE	22TP301	SOFT SKILLS LABORATORY	1
709	ECE	22EC301	MICROCONTROLLERS	4
710	ECE	22EC303	VLSI DESIGN	4
711	ECE	22EC305	ELECTROMAGNETIC WAVES AND TRANSMISSION LINES	3
712	ECE	22EC306	INTER DEPARTMENTAL PROJECT – PHASE I	0
714	ECE	22EC308	DIGITAL SIGNAL PROCESSING	4
715	ECE	22EC309	ANTENNA THEORY : ANALYSIS AND DESIGN	3
716	ECE	22EC401	DATA COMMUNICATIONS AND COMPUTER NETWORKS	4
717	ECE	22EC402	MICROWAVE ENGINEERING	4
718	ECE	22EC404	PROJECT WORK	12
720	ECE	22EC802	DIGITAL IMAGE PROCESSING	3
721	ECE	22EC803	HUMAN MACHINE INTERACTION	3
724	ECE	22EC806	PROGRAMMING WITH PYTHON	3
726	ECE	22EC808	TIME SERIES DATA ANALYSIS USING PYTHON	3
729	ECE	22EC811	FUNDAMENTALS OF RADAR SIGNAL PROCESSING	3
733	ECE	22EC815	ANDROID OS AND APPLICATION DEVELOPMENT	3
734	ECE	22EC816	COGNITIVE RADIO NETWORKS	3
735	ECE	22EC817	EMBEDDED SYSTEM DESIGN USING FPGA	3
736	ECE	22EC818	INTRODUCTION TO EMBEDDED SYSTEMS	3

737	ECE	22EC819	INTRODUCTION TO INDUSTRY 4.0 AND INDUSTRIAL INTERNET OF THINGS	3
738	ECE	22EC820	MULTI-CORE ARCHITECTURES AND PROGRAMMING	3
739	ECE	22EC821	SMART & VIRTUAL INSTRUMENTATION	3
740	ECE	22EC823	WIRELESS SENSOR NETWORKS	3
741	ECE	22EC824	ADVANCED ANTENNA ARRAYS	3
742	ECE	22EC825	ADVANCED ANTENNAS FOR MODERN WIRELESS COMMUNICATION	3
745	ECE	22EC828	MIMO ANTENNAS FOR WIRELESS COMMUNICATION-THEORY AND DESIGN	3
746	ECE	22EC829	RADAR SYSTEM DESIGN	3
747	ECE	22EC830	RF DEVICES AND ACTIVE CIRCUITS	3
748	ECE	22EC831	RF PASSIVE CIRCUITS	3
749	ECE	22EC832	RFIC AND MICROWAVE MEMS	3
752	ECE	22EC835	FPGA BASED SYSTEM DESIGN	3
759	ECE	22EC952	APPLIED DATA SCIENCE WITH PYTHON	4
761	ECE	22EC956	FREE SPACE OPTICS	4
766	ECE	22EC961	ADHOC SENSOR NETWORKS	4
767	ECE	22EC962	CLOUD COMPUTING FOR IOT SYSTEMS	4
768	ECE	22EC963	EMBEDDED SYSTEM DESIGN USING FPGA	4
769	ECE	22EC964	EMBEDDED SYSTEMS	4
770	ECE	22EC965	INTRODUCTION TO IOT	4
771	ECE	22EC966	IOT ARCHITECTURE	4
772	ECE	22EC967	IOT DESIGN	4
773	ECE	22EC968	IOT SECURITY	4
774	ECE	22EC969	SENSORS AND ACTUATORS FOR IOT	4
783	ECE	22EC901	ADHOC SENSOR NETWORKS	4
784	ECE	22EC902	DESIGN PRINCIPLES OF IOT	4
785	ECE	22EC903	INTRODUCTION TO IOT	4
786	ECE	22EC904	INTRODUCTION TO IOT ARCHITECTURE	4
787	ECE	22EC905	MACHINE LEARNING FOR IOT SYSTEMS	4
788	ECE	22EC906	SECURITY ASPECTS OF IOT	4
789	ECE	22EC907	SENSORS AND ACTUATORS FOR IOT	4
790	ECE	22EC855	ANDROID OS AND APPLICATION DEVELOPMENT	3
791	ECE	22EC856	INTERNET OF THINGS	3
792	ECE	22EC857	INTRODUCTION TO EMBEDDED SYSTEMS	3
793	ECE	22EC858	MICROPROCESSORS AND MICROCONTROLLERS	3
794	ECE	22EC859	SMART & VIRTUAL INSTRUMENTATION	3
795	ECE	22EC860	WIRELESS SENSOR NETWORKS	3
796	EEE	22EE101	BASICS OF ELECTRICAL AND ELECTRONICS ENGINEERING	3
797	EEE	22EE102	IT WORKSHOP AND ELECTRICAL ENGINEERING PRODUCTS	3
798	EEE	22TP103	PROGRAMMING IN C	4
800	EEE	22PY105	SEMICONDUCTOR PHYSICS AND ELECTROMAGNETICS	3
801	EEE	22SA101	PHYSICAL FITNESS, SPORTS AND GAMES – I	1
803	EEE	22EN102	ENGLISH PROFICIENCY AND COMMUNICATION SKILLS	1
804	EEE	22ME101	ENGINEERING GRAPHICS	3

805	EEE	22TP104	BASIC CODING COMPETENCY	2
806	EEE	22CT103	ENGINEERING CHEMISTRY	3
808	EEE	22SA102	ORIENTATION SESSION	3
809	EEE	22SA103	PHYSICAL FITNESS, SPORTS AND GAMES – II	1
810	EEE	22EN104	TECHNICAL ENGLISH COMMUNICATION	3
811	EEE	22EE103	ELECTRICAL CIRCUITS AND NETWORKS	4
812	EEE	22TP201	DATA STRUCTURES	4
813	EEE	22CT201	ENVIRONMENTAL STUDIES	1
815	EEE	22SA201	LIFE SKILLS-I	1
816	EEE	22EE202	POWER TRANSMISSION AND DISTRIBUTION	3
817	EEE	22EE203	DC MACHINES AND TRANSFORMERS	4
818	EEE	22EE204	ANALOG ELECTRONICS	4
820	EEE	22TP203	ADVANCED CODING COMPETENCY	1
821	EEE	22SA202	LIFE SKILLS-II	1
823	EEE	22TP204	PROFESSIONAL COMMUNICATION	1
824	EEE	22EE207	INTRODUCTION AND SYNCHRONOUS MACHINES	4
825	EEE	22EE208	POWER ELECTRONIC DEVICES AND CIRCUITS	4
826	EEE	22EE306	INDUSTRY INTERFACE COURSE	1
827	EEE	22TP301	SOFT SKILLS LABORATORY	1
828	EEE	22EE301	LINEAR CONTROL SYSTEMS	4
829	EEE	22EE302	ELECTRICAL MEASUREMENTS & INSTRUMENTATION	4
830	EEE	22EE303	ANALYSIS AND OPERATION OF POWER SYSTEMS	4
831	EEE	22EE305	INTER DEPARTMENTAL PROJECT – PHASE I	0
833	EEE	22EE307	MICROPROCESSORS AND MICROCONTROLLERS	4
835	EEE	22EE309	INTER DEPARTMENTAL PROJECT – PHASE II	2
836	EEE	22EE401	INDUSTRIAL ELECTRIC DRIVES	4
838	EEE	22EE404	PROJECT WORK	12
844	EEE	22EE806	SPECIAL ELECTRICAL MACHINES	4
846	EEE	22EE808	ADVANCED CONTROL SYSTEMS	4
849	EEE	22EE811	ADVANCED POWER SYSTEM ANALYSIS	4
881	FT	22EE101	BASICS OF ELECTRICAL AND ELECTRONICS ENGINEERING	3
882	FT	22FT103	IT WORKSHOP AND FOOD ENGINEERING PRODUCTS	3
883	FT	22TP103	PROGRAMMING IN C	4
884	FT	22FT101	FOOD BIOCHEMISTRY AND NUTRITION	3
886	FT	22SA101	PHYSICAL FITNESS, SPORTS AND GAMES – I	1
888	FT	22EN102	ENGLISH PROFICIENCY AND COMMUNICATION SKILLS	1
889	FT	22ME101	ENGINEERING GRAPHICS	3
890	FT	22TP104	BASIC CODING COMPETENCY	2
892	FT	22PY101	APPLIED PHYSICS	3
893	FT	22SA102	ORIENTATION SESSION	3
894	FT	22SA103	PHYSICAL FITNESS, SPORTS AND GAMES – II	1
895	FT	22EN104	TECHNICAL ENGLISH COMMUNICATION	3
896	FT	22FT102	FOOD CHEMISTRY	4
897	FT	22TP201	DATA STRUCTURES	4
898	FT	22CT201	ENVIRONMENTAL STUDIES	1
900	FT	22SA201	LIFE SKILLS-I	1

901	FT	22FT201	FOOD MICROBIOLOGY	4
902	FT	22FT202	PRINCIPLES OF FOOD PRESERVATION AND PROCESSING	4
904	FT	22TP203	ADVANCED CODING COMPETENCY	1
905	FT	22SA202	LIFE SKILLS-II	1
907	FT	22TP204	PROFESSIONAL COMMUNICATION	1
908	FT	22FT204	FRUITS AND VEGETABLES PROCESSING	4
909	FT	22FT205	FUNDAMENTALS OF FLUID MECHANICS	3
910	FT	22FT206	HEAT AND MASS TRANSFER	4
911	FT	22FT305	INDUSTRY INTERFACE COURSE	1
912	FT	22TP301	SOFT SKILLS LABORATORY	1
913	FT	22FT301	CEREALS, LEGUMES, OILSEED PROCESS TECHNOLOGY	4
914	FT	22FT302	DAIRY TECHNOLOGY	4
915	FT	22FT303	FOOD PROCESSING OPERATIONS	4
916	FT	22FT304	INTER DEPARTMENTAL PROJECT – PHASE I	0
918	FT	22FT306	BAKERY AND CONFECTIONERY TECHNOLOGY	4
919	FT	22FT307	FOOD PACKAGING	3
920	FT	22FT308	INTER DEPARTMENTAL PROJECT – PHASE II	2
923	FT	22FT404	PROJECT WORK	12
937	FT	22FT814	INSTRUMENTAL METHODS OF FOOD ANALYSIS	3
938	FT	22FT815	SENSORY ANALYSIS OF FOOD	3
939	FT	22FT816	BEVERAGE TECHNOLOGY	3
942	FT	22FT819	MEAT, POULTRY AND FISH PROCESSING TECHNOLOGY	3
944	FT	22FT821	SPICES AND PLANTATION CROP PROCESS TECHNOLOGY	3
946	FT	22FT951	BEVERAGE TECHNOLOGY	4
947	FT	22FT952	EMERGING TRENDS IN FOOD PROCESSING	4
948	FT	22FT953	EXTRUSION TECHNOLOGY	4
949	FT	22FT954	WASTE MANAGEMENT AND BY-PRODUCT UTILIZATION	4
950	FT	22FT955	PROJECT	4
951	FT	22FT904	BAKERY AND CONFECTIONERY TECHNOLOGY	4
952	FT	22FT903	DAIRY TECHNOLOGY	4
954	FT	22FT902	FRUITS AND VEGETABLES PROCESSING	4
955	FT	22FT901	PRINCIPLES OF FOOD PRESERVATION AND PROCESSING	4
957	FT	22FT852	INDIAN TRADITIONAL FOOD	3
958	IT	22IT102	IT WORKSHOP AND TOOLS	3
959	IT	22EE101	BASICS OF ELECTRICAL AND ELECTRONICS ENGINEERING	3
960	IT	22TP103	PROGRAMMING IN C	4
962	IT	22PY105	SEMICONDUCTOR PHYSICS AND ELECTROMAGNETICS	3
963	IT	22SA101	PHYSICAL FITNESS, SPORTS AND GAMES – I	1
965	IT	22EN102	ENGLISH PROFICIENCY AND COMMUNICATION SKILLS	1
966	IT	22ME101	ENGINEERING GRAPHICS	3
967	IT	22TP104	BASIC CODING COMPETENCY	2
970	IT	22SA102	ORIENTATION SESSION	3
971	IT	22SA103	PHYSICAL FITNESS, SPORTS AND GAMES – II	1
972	IT	22EN104	TECHNICAL ENGLISH COMMUNICATION	3
973	IT	22IT101	WEB TECHNOLOGIES	3
974	IT	22TP201	DATA STRUCTURES	4

975	IT	22CT201	ENVIRONMENTAL STUDIES	1
977	IT	22SA201	LIFE SKILLS-I	1
978	IT	22IT201	DATABASE SYSTEMS	4
980	IT	22IT203	OBJECT ORIENTED PROGRAMMING	4
981	IT	22TP203	ADVANCED CODING COMPETENCY	1
982	IT	22SA202	LIFE SKILLS-II	1
984	IT	22TP204	PROFESSIONAL COMMUNICATION	1
985	IT	22IT204	DESIGN AND ANALYSIS OF ALGORITHMS	4
986	IT	22IT205	OPERATING SYSTEMS	4
987	IT	22IT206	PYTHON PROGRAMMING	3
988	IT	22IT305	INDUSTRY INTERFACE COURSE	1
989	IT	22TP301	SOFT SKILLS LABORATORY	1
990	IT	22IT301	COMPUTER NETWORKS	4
991	IT	22IT302	DATA MINING TECHNIQUES	4
992	IT	22IT303	SOFTWARE ENGINEERING	4
993	IT	22IT304	INTER DEPARTMENTAL PROJECT – PHASE I	0
995	IT	22IT306	CLOUD COMPUTING	4
996	IT	22IT307	MACHINE LEARNING	4
997	IT	22IT308	INTER DEPARTMENTAL PROJECT – PHASE II	2
998	IT	22IT401	CRYPTOGRAPHY AND NETWORK SECURITY	4
999	IT	22IT402	INTERNET OF THINGS	4
1000	IT	22IT404	PROJECT WORK	12
1002	IT	22IT802	ADVANCED WEB TECHNOLOGIES	4
1005	IT	22IT805	BIG DATA ANALYTICS	4
1010	IT	22IT810	COMPUTER VISION	4
1012	IT	22IT812	DATA COMMUNICATIONS	4
1013	IT	22IT813	DATA SCIENCE USING PYTHON	4
1014	IT	22IT814	DEEP LEARNING	4
1018	IT	22IT818	FULL STACK TECHNOLOGIES	4
1019	IT	22IT819	IMAGE AND VIDEO ANALYTICS	4
1020	IT	22IT820	MEDICAL IMAGE ANALYSIS	4
1022	IT	22IT822	MOBILE APPLICATION DEVELOPMENT	3
1025	IT	22IT825	NETWORK PROGRAMMING	4
1027	IT	22IT827	OPEN SOURCE WEB TECHNOLOGIES	3
1044	LAW	22LW903	CYBER SECURITY & INFORMATION TECHNOLOGY LAWS	4
1069	MBA	22MS911	EVENT MANAGEMENT PLANNING	4
1070	MBA	22MS912	EVENT PRODUCTION PROCESS	4
1071	MBA	22MS913	EVENT HOSPITALITY, LAW & PERMISSIONS	4
1072	MBA	22MS914	EVENT COST ACCOUNTING & FINANCE MANAGEMENT	4
1073	MBA	22MS915	EVENT RISK MANAGEMENT	4
1077	MECH	22EE101	BASICS OF ELECTRICAL AND ELECTRONICS ENGINEERING	3
1078	MECH	22ME103	IT WORKSHOP AND MECHANICAL ENGINEERING PRODUCTS	3
1079	MECH	22TP103	PROGRAMMING IN C	4
1081	MECH	22PY102	ENGINEERING PHYSICS	3
1082	MECH	22SA101	PHYSICAL FITNESS, SPORTS AND GAMES – I	1
1084	MECH	22EN102	ENGLISH PROFICIENCY AND COMMUNICATION SKILLS	1



1085	MECH	22ME101	ENGINEERING GRAPHICS	3
1086	MECH	22TP104	BASIC CODING COMPETENCY	2
1087	MECH	22CT103	ENGINEERING CHEMISTRY	3
1089	MECH	22SA102	ORIENTATION SESSION	3
1090	MECH	22SA103	PHYSICAL FITNESS, SPORTS AND GAMES – II	1
1091	MECH	22EN104	TECHNICAL ENGLISH COMMUNICATION	3
1093	MECH	22TP201	DATA STRUCTURES	4
1094	MECH	22CT201	ENVIRONMENTAL STUDIES	1
1096	MECH	22SA201	LIFE SKILLS-I	1
1097	MECH	22ME201	MATERIALS SCIENCE AND METALLURGY	4
1098	MECH	22ME202	STRENGTH OF MATERIALS	4
1100	MECH	22TP203	ADVANCED CODING COMPETENCY	1
1101	MECH	22SA202	LIFE SKILLS-II	1
1103	MECH	22TP204	PROFESSIONAL COMMUNICATION	1
1104	MECH	22ME204	ANALYSIS OF MECHANISMS AND MACHINES	4
1105	MECH	22ME205	MANUFACTURING SCIENCES	3
1106	MECH	22ME206	MECHANICS OF FLUIDS AND HYDRAULIC MACHINES	4
1107	MECH	22ME308	INDUSTRY INTERFACE COURSE	1
1108	MECH	22TP301	SOFT SKILLS LABORATORY	1
1109	MECH	22ME301	MACHINING SCIENCE AND TECHNOLOGY	4
1110	MECH	22ME302	DESIGN OF MACHINE COMPONENTS	4
1111	MECH	22ME303	APPLIED THERMODYNAMICS	4
1112	MECH	22ME304	INTER DEPARTMENTAL PROJECT – PHASE I	0
1114	MECH	22ME305	FINITE ELEMENT ANALYSIS	4
1115	MECH	22ME306	HEAT TRANSFER	3
1116	MECH	22ME307	INTER DEPARTMENTAL PROJECT – PHASE II	2
1118	MECH	22ME402	ROBOTICS AND AUTOMATION	4
1119	MECH	22ME404	PROJECT WORK	12
1120	MECH	22ME403	INTERNSHIP	12
1179	SA	22NC901	NATIONAL CADET CORPS - I	4
1180	SA	22NC902	NATIONAL CADET CORPS - II	4
1181	SA	22NC903	NATIONAL CADET CORPS - III	4
1182	SA	22NC904	SERVICE SELECTION BOARD - I	4
1183	SA	22NC905	SERVICE SELECTION BOARD - II	4
1184	Pharmacy	22PH901	HUMAN ANATOMY AND PHYSIOLOGY	4
1186	Pharmacy	22PH903	PHARMACOGNOSY AND PHYTOCHEMISTRY	4
1187	Pharmacy	22PH904	HERBAL FORMULATIONS AND QUALITY ASSURANCE	4
1196	RA	22EE101	BASICS OF ELECTRICAL AND ELECTRONICS ENGINEERING	3
1197	RA	22RA101	IT WORKSHOP AND ROBOTIC ENGINEERING PRODUCTS	3
1198	RA	22TP103	PROGRAMMING IN C	4
1200	RA	22PY102	ENGINEERING PHYSICS	3
1201	RA	22SA101	PHYSICAL FITNESS, SPORTS AND GAMES – I	1
1203	RA	22EN102	ENGLISH PROFICIENCY AND COMMUNICATION SKILLS	1
1204	RA	22ME101	ENGINEERING GRAPHICS	3
1205	RA	22TP104	BASIC CODING COMPETENCY	2
1206	RA	22CT103	ENGINEERING CHEMISTRY	3

1208	RA	22SA102	ORIENTATION SESSION	3
1209	RA	22SA103	PHYSICAL FITNESS, SPORTS AND GAMES – II	1
1210	RA	22EN104	TECHNICAL ENGLISH COMMUNICATION	3
1212	RA	22TP201	DATA STRUCTURES	4
1213	RA	22CT201	ENVIRONMENTAL STUDIES	1
1215	RA	22SA201	LIFE SKILLS-I	1
1217	RA	22EE206	ELECTRIC MOTORS FOR ROBOTICS	4
1218	RA	22RA201	FUNDAMENTALS OF ROBOTICS	4
1219	RA	22TP203	ADVANCED CODING COMPETENCY	1
1220	RA	22SA202	LIFE SKILLS-II	1
1222	RA	22TP204	PROFESSIONAL COMMUNICATION	1
1223	RA	22RA202	MOBILE ROBOTICS	4
1224	RA	22RA203	ROBOT MECHANISMS	4
1225	RA	22RA204	ROS PROGRAMMING	3
1226	RA	22RA304	INDUSTRY INTERFACE COURSE	1
1227	RA	22TP301	SOFT SKILLS LABORATORY	1
1228	RA	22EE304	POWER ELECTRONICS	4
1229	RA	22RA301	AUTOMATION IN MANUFACTURING	4
1230	RA	22RA302	PLANNING AND NAVIGATION	4
1231	RA	22RA303	INTER DEPARTMENTAL PROJECT – PHASE I	0
1233	RA	22RA305	DATA SCIENCE FOR ENGINEERS	4
1235	RA	22RA307	INTER DEPARTMENTAL PROJECT – PHASE II	2
1236	RA	22RA401	ARTIFICIAL INTELLIGENCE FOR ROBOTICS	4
1238	RA	22RA404	PROJECT WORK	12
1239	RA	22RA403	INTERNSHIP	12
1288	TT	22EE101	BASICS OF ELECTRICAL AND ELECTRONICS ENGINEERING	3
1289	TT	22TP103	PROGRAMMING IN C	4
1290	TT	22TT102	IT WORKSHOP AND TEXTILE ENGINEERING PRODUCTS	3
1291	TT	22CT101	APPLIED CHEMISTRY	3
1293	TT	22SA101	PHYSICAL FITNESS, SPORTS AND GAMES – I	1
1295	TT	22EN102	ENGLISH PROFICIENCY AND COMMUNICATION SKILLS	1
1296	TT	22ME101	ENGINEERING GRAPHICS	3
1297	TT	22TP104	BASIC CODING COMPETENCY	2
1298	TT	22TT101	TEXTILE FIBERS	4
1300	TT	22PY102	ENGINEERING PHYSICS	3
1301	TT	22SA102	ORIENTATION SESSION	3
1302	TT	22SA103	PHYSICAL FITNESS, SPORTS AND GAMES – II	1
1303	TT	22EN104	TECHNICAL ENGLISH COMMUNICATION	3
1304	TT	22CT201	ENVIRONMENTAL STUDIES	1
1306	TT	22TP201	DATA STRUCTURES	4
1307	TT	22SA201	LIFE SKILLS-I	1
1308	TT	22TT202	FABRIC MANUFACTURING	4
1309	TT	22TT204	TECHNOLOGY OF PREPARATORY AND DYEING	4
1311	TT	22TT203	TESTING OF FIBERS AND YARNS	4
1312	TT	22TP203	ADVANCED CODING COMPETENCY	1

1313	TT	22TP204	PROFESSIONAL COMMUNICATION	1
1314	TT	22SA202	LIFE SKILLS-II	1
1316	TT	22TT205	FABRIC STRUCTURE AND DESIGN	4
1318	TT	22TT305	INDUSTRY INTERFACE COURSE	1
1319	TT	22TP301	SOFT SKILLS LABORATORY	1
1320	TT	22TT301	TESTING OF FABRICS AND GARMENTS	4
1321	TT	22TT302	TECHNOLOGY OF PRINTING AND FINISHING	4
1323	TT	22TT304	INTER DEPARTMENTAL PROJECT – PHASE I	0
1326	TT	22TT306	APPAREL PRODUCTION TECHNOLOGY	4
1327	TT	22TT308	INTER DEPARTMENTAL PROJECT – PHASE II	2
1330	TT	22TT404	PROJECT WORK	12
1331	TT	22TT403	INTERNSHIP	12
1367	SA	22SA906	BASICS OF PHOTOGRAPHY	4
1368	SA	22SA907	PROFESSIONAL PHOTOGRAPHY	4
1369	SA	22SA908	SPECIALIZATIONS IN PHOTOGRAPHY	4
1370	SA	22SA909	DIGITAL FILM MAKING	4
1371	SA	22SA910	MAKING THE FILM AND PORTFOLIO - PROJECT	4
1372	SA	22SA901	PHYSICAL WELLBEING	4
1373	SA	22SA902	PSYCHOLOGICAL WELLBEING	4
1374	SA	22SA903	EMOTIONAL WELLBEING	4
1375	SA	22SA904	RELATIONAL WELLBEING	4
1376	SA	22SA905	CASE STUDY - PROJECT	4
1377	ECE	22EC304	INDUSTRY INTERFACE COURSE	1
1378	ECE	22EC310	INTER DEPARTMENTAL PROJECT – PHASE II	2
1379	BT	22BT402	INTERNSHIP	12
1380	CIVIL	22CE404	PROJECT WORK	12
1381	CSE - CS	22CY403	INTERNSHIP	12
1382	ECE	22EC403	INTERNSHIP	12
1383	EEE	22EE403	INTERNSHIP	12
1384	FT	22FT403	INTERNSHIP	12
1385	IT	22IT403	INTERNSHIP	12
1386	B.Sc	22BS101	TECHNICAL ENGLISH COMMUNICATION	4
1388	B.Sc	22BS103	DESCRIPTIVE STATISTICS AND PROBABILITY DISTRIBUTIONS	4
1389	B.Sc	22BS104	PROGRAMMING IN C	4
1390	B.Sc	22BS105	IT WORKSHOP	3
1391	B.Sc	22BS106	SPORTS / PHYSICAL FITNESS / GAMES	1
1392	B.Sc	22BS107	DIGITAL LOGIC & COMPUTER ORGANIZATION	4
1394	B.Sc	22BS109	MATHEMATICAL EXPECTATION AND PROBABILITY DISTRIBUTIONS	4
1395	B.Sc	22BS110	DATA STRUCTURES	4
1396	B.Sc	22BS111	SPORTS / PHYSICAL FITNESS / GAMES	1
1398	B.Sc	22BS201	ENGLISH PROFICIENCY AND COMMUNICATION SKILLS	2
1400	B.Sc	22BS203	STATISTICAL METHODS	4
1401	B.Sc	22BS204	DATABASE MANAGEMENT SYSTEMS	4
1402	B.Sc	22BS205	OBJECT ORIENTED PROGRAMMING	4
1403	B.Sc	22BS206	ENVIRONMENTAL SCIENCE	1

1404	B.Sc	22BS208	BUSINESS ENGLISH COMMUNICATION – I	2
1405	B.Sc	22BS209	BUSINESS ENGLISH COMMUNICATION (BEC) II	2
1407	B.Sc	22BS211	STATISTICAL INFERENCE	4
1408	B.Sc	22BS212	OPERATING SYSTEMS	4
1409	B.Sc	22BS213	DESIGN AND ANALYSIS OF ALGORITHMS	4
1410	B.Sc	22BS214	NCC / NSS / SAC / PAPER PRESENTATION / SOCIAL ACTIVITIES	1
1411	B.Sc	22BS301	LINEAR ALGEBRA	4
1414	B.Sc	22BS304	ECONOMETRICS	3
1415	B.Sc	22BS305	COMPUTER NETWORKS	4
1416	B.Sc	22BS306	CYBER SECURITY	3
1418	B.Sc	22BS308	PROJECT	4
1430	B.Sc	22BS821	FORMAL LANGUAGES AND AUTOMATA THEORY	4
1431	B.Sc	22BS822	MACHINE LEARNING	4
1432	B.Sc	22BS823	WEB TECHNOLOGIES	4
1433	B.Sc	22BS824	PYTHON PROGRAMMING	4
1436	BBA	22BB103	FINANCIAL ACCOUNTING	4
1439	BBA	22BB106	BUSINESS ENGLISH CERTIFICATION LAB	2
1440	BBA	22BB107	IT WORKSHOP	2
1441	BBA	22BB108	WEB DESIGNING	2
1442	BBA	22SA102	ORIENTATION SESSION	3
1443	BBA	22BB109	COST ACCOUNTING	4
1448	BBA	22BB114	STATISTICAL TOOLS FOR MANAGERS USING EXCEL LAB	1
1449	BBA	22BB115	ADVANCED MS OFFICE	2
1451	BBA	22BB202	BUSINESS RESEARCH METHODS	3
1455	BBA	22BB206	ANALYTICAL SKILL FOR MANAGERS-I	2
1456	BBA	22BB207	ESSENTIAL SKILLS FOR MANAGERS-I	2
1457	BBA	22BB208	LIFE SKILLS-1	1
1458	BBA	22BB209	INTRODUCTION TO IPR	2
1463	BBA	22BB214	BUSINESS FINANCE	3
1464	BBA	22BB215	DATA VISUALIZATION USING TABLEAU LAB	2
1465	BBA	22BB216	ANALYTICAL SKILL FOR MANAGERS –II	2
1466	BBA	22BB217	LIFE SKILLS-2	1
1467	BBA	22BB218	ACCOUNTING USING TALLY	2
1468	BBA	22BB301	SUMMER INTERNSHIP PROGRAMME	2
1472	BBA	22BB305	ESSENTIAL SKILLS FOR MANAGERS-II	2
1473	BBA	22BB306	STOCK MARKET TRADING	2
1477	BBA	22BB310	MANAGEMENT THESIS	2
1478	BBA	22BB311	DIGITAL MARKETING	2
1527	BBA	22BB407	SOCIAL IMMERSION PROJECT	6
1530	BBA	22BB503	ADVANCED DATA VISUALIZATION LAB	2
1531	BBA	22BB504	INDUSTRY-INTERFACE COURSE	2
1532	BBA	22BB505	FIELD WORK / PROJECT WORK	6
1533	BBA	22BB506	INTERNSHIP	16
1540	MBA	22MS507	ESSENTIAL SKILLS FOR MANAGERS - LAB	2
1541	MBA	22MS508	ANALYTICAL SKILLS FOR MANAGERS - LAB	2

1549	MBA	22MS516	BUSINESS COMMUNICATION - LAB	1
1550	MBA	22MS517	BUSINESS ANALYTICS TOOLS - LAB	1
1551	MBA	22MS603	SUMMER INTERNSHIP PROGRAMME	4
1554	MBA	22MS604	MANAGEMENT THESIS	2
1603	BCA	22BC102	PROGRAMMING FOR PROBLEM SOLVING	4
1604	BCA	22BC103	TECHNICAL ENGLISH COMMUNICATION	3
1605	BCA	22BC104	WEB TECHNOLOGIES	4
1607	BCA	22BC106	IT WORKSHOP & TOOLS	2
1608	BCA	22BC107	PHYSICAL FITNESS, SPORTS & GAMES – I	1
1609	BCA	22BC108	PYTHON PROGRAMMING	3
1610	BCA	22BC109	DATA STRUCTURES	4
1614	BCA	22BC113	DATA VISUALIZATION LABORATORY	2
1615	BCA	22BC114	SOFT SKILLS LABORATORY	2
1616	BCA	22BC115	PHYSICAL FITNESS, SPORTS & GAMES – II	1
1617	BCA	22BC201	OBJECT ORIENTED PROGRAMMING	4
1618	BCA	22BC202	DATABASE SYSTEMS	4
1620	BCA	22BC204	OPERATING SYSTEMS	4
1622	BCA	22BC206	PROFESSIONAL COMMUNICATION LAB	2
1623	BCA	22BC207	SOFTWARE ENGINEERING	4
1624	BCA	22BC208	COMPUTER NETWORKS	4
1625	BCA	22BC209	WEB APPLICATION DEVELOPMENT	4
1628	BCA	22BC212	TECHNICAL SEMINAR	1
1629	BCA	22BC301	INTERNET OF THINGS	4
1630	BCA	22BC302	DATA MINING	4
1631	BCA	22BC303	COMPETITIVE CODING	2
1632	BCA	22BC304	SOCIALLY RELEVANT PROJECT USING DESIGN THINKING	2
1633	BCA	22BC305	PROJECT WORK	12
1634	BCA	22BC801	DATA SCIENCE USING PYTHON	4
1635	BCA	22BC802	STATISTICAL METHODS FOR DATA VISUALIZATION	4
1636	BCA	22BC803	BIG DATA ANALYTICS	4
1637	BCA	22BC804	NATURAL LANGUAGE PROCESSING	4
1638	BCA	22BC805	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	4
1639	BCA	22BC806	MACHINE LEARNING	4
1640	BCA	22BC807	ARTIFICIAL NEURAL NETWORKS	4
1641	BCA	22BC808	DEEP LEARNING	4
1642	BCA	22BC809	OPEN SOURCE WEB TECHNOLOGIES	4
1643	BCA	22BC810	MOBILE APPLICATION DEVELOPMENT	4
1644	BCA	22BC811	CLOUD COMPUTING	4
1645	BCA	22BC812	FULL STACK TECHNOLOGIES	4
1646	MCA	22MC101	DATA STRUCTURES	4
1648	MCA	22MC103	DATABASE SYSTEMS	4
1650	MCA	22MC105	OBJECT ORIENTED PROGRAMMING WITH JAVA	4
1651	MCA	22MC106	PYTHON PROGRAMMING	3
1652	MCA	22MC107	TECHNICAL ENGLISH COMMUNICATION	2
1653	MCA	22MC108	SOFTWARE ENGINEERING AND TESTING	4
1654	MCA	22MC109	WEB TECHNOLOGIES	4

1656	MCA	22MC111	DATA MINING TECHNIQUES	4
1657	MCA	22MC112	DATA VISUALIZATION	2
1658	MCA	22MC113	SOCIALLY RELEVANT PROJECT USING DESIGN THINKING	2
1659	MCA	22MC114	SOFT SKILLS LABORATORY	1
1660	MCA	22MC201	CRYPTOGRAPHY AND NETWORK SECURITY	4
1664	MCA	22MC205	INTERNSHIP	12
1665	MCA	22MC206	PROJECT	12
1671	MCA	22MC806	DESIGN AND ANALYSIS OF ALGORITHMS	4
1672	MCA	22MC807	DATA SCIENCE USING PYTHON	4
1673	MCA	22MC808	MACHINE LEARNING THROUGH PYTHON	4
1674	MCA	22MC809	DEEP LEARNING	4
1675	MCA	22MC810	FULL STACK TECHNOLOGIES	4
1676	MCA	22MC811	MEDICAL IMAGE ANALYSIS	4
1678	MCA	22MC813	DATA WRANGLING AND VISUALIZATION	4
1679	CSE - DS	22TP201	DATA STRUCTURES	4
1680	CSE - DS	22CT201	ENVIRONMENTAL STUDIES	1
1682	CSE - DS	22SA201	LIFE SKILLS-I	1
1685	CSE - DS	22CS201	DATABASE MANAGEMENT SYSTEMS	4
1686	CSE - DS	22DS201	DATA HANDLING AND VISUALIZATION	3
1687	AGE	22BEAS101	ORDINARY DIFFERENTIAL EQUATIONS AND LINEAR ALGEBRA	3
1688	AGE	22BEAS102	PHYSICS FOR AGRICULTURE ENGINEERS	3
1689	AGE	22BEAS103	CHEMISTRY FOR AGRICULTURE ENGINEERS	3
1690	AGE	22BEAS104	PRINCIPLES OF AGRONOMY	3
1691	AGE	22BEAS105	ENVIRONMENTAL SCIENCE AND DISASTER MANAGEMENT	3
1693	AGE	22BEAS107	ENGINEERING DRAWING	2
1694	AGE	22BEAS108	COMMUNICATION SKILLS & PERSONALITY DEVELOPMENT	2
1695	AGE	22BEAS109	WORKSHOP TECHNOLOGY AND PRACTICES	3
1696	AGE	22BEAS201	MATHEMATICAL METHODS	3
1697	AGE	22BEAS202	PRINCIPLES OF HORTICULTURAL CROPS AND PLANT PROTECTION	2
1699	AGE	22BEAS204	SOIL MECHANICS	2
1701	AGE	22BEAS206	ELECTRICAL MACHINES AND POWER UTILIZATION	3
1702	AGE	22BEAS207	ENTREPRENEURSHIP DEVELOPMENT AND BUSINESS MANAGEMENT	3
1703	AGE	22IADE201	GROUND WATER WELLS AND PUMPS	3
1704	AGE	22SWCE201	WATERSHED HYDROLOGY	2
1706	AGE	22BEAS302	DESIGN OF STRUCTURES	2
1707	AGE	22FMPE301	TILLAGE AND SOWING OPERATION	3
1708	AGE	22IADE301	SPRINKLER AND MICRO IRRIGATION SYSTEMS	2
1709	AGE	22PAFE301	AGRICULTURAL STRUCTURES AND ENVIRONMENTAL CONTROL	3
1710	AGE	22PAFE302	POST-HARVEST ENGINEERING OF CEREALS, PULSES AND OIL SEEDS	3
1711	AGE	22REE301	RENEWABLE POWER SOURCES	3
1712	AGE	22SWCE301	WATERSHED PLANNING AND MANAGEMENT	2

1713	AGE	22FMPE302	TRACTOR AND FARM MACHINERY OPERATION AND MAINTENANCE	2
1714	AGE	22ELCT304	FARM MACHINERY DESIGN AND PRODUCTION	3
1715	CSBS	22ST205	COMPUTATIONAL STATISTICS	4
1716	CSBS	22SA201	LIFE SKILLS-I	1
1719	CSBS	22CB202	DATABASE MANAGEMENT SYSTEMS	4
1721	CSBS	22CB204	OBJECT ORIENTED PROGRAMMING	4
1722	CSBS	22CB205	SCRIPTING LANGUAGES	2
1724	CSBS	22ST101	INTRODUCTORY TOPICS IN STATISTICS, PROBABILITY AND CALCULUS	3
1725	CSBS	22PY103	FUNDAMENTALS OF PHYSICS	4
1726	CSBS	22CS102	FUNDAMENTALS OF COMPUTER SCIENCE – I	4
1727	CSBS	22EE104	PRINCIPLES OF ELECTRICAL ENGINEERING	4
1728	CSBS	22SA101	PHYSICAL FITNESS, SPORTS AND GAMES – I	1
1731	CSBS	22EN101	BUSINESS COMMUNICATION AND VALUE SCIENCE – I LAB	1
1734	DCSE/DECE	22DPY101	APPLIED PHYSICS –I	3
1735	DCSE/DECE	22DCT101	ENGINEERING CHEMISTRY AND ENVIRONMENTAL STUDIES	3
1736	DCSE/DECE	22DEN101	ENGLISH PROFICIENCY & COMMUNICATION SKILLS	4
1737	DCSE/DECE	22DME101	ENGINEERING GRAPHICS	2
1738	DCSE/DECE	22DME102	ENGINEERING WORKSHOP PRACTICE	2
1739	DCSE/DECE	22DSA101	PHYSICAL FITNESS, SPORTS & GAMES – I	1
1741	DCSE	22DCS201	INTRODUCTION TO DBMS	3
1742	DCSE/DECE	22DCS202	PYTHON PROGRAMMING	4
1743	DCSE	22DCS203	OOP THROUGH C++	4
1744	DCSE	22DCS204	SOFTWARE ENGINEERING	4
1745	DCSE	22DCS205	SUMMER INTERNSHIP-I	2
1746	DECE	22DEC202	ELECTRONIC DEVICES	4
1747	DCSE/DECE	22DEC201	DIGITAL ELECTRONICS	3
1749	DECE	22DEC204	ANALOG AND DIGITAL COMMUNICATIONS	4
1750	DECE	22DEC205	SUMMER INTERNSHIP-I	2
1753	B.Sc-Ag (Hons)	22AGRO102	FUNDAMENTALS OF AGRONOMY	3
1754	B.Sc-Ag (Hons)	22BICM101	FUNDAMENTALS OF PLANT BIOCHEMISTRY AND BIOTECHNOLOGY	3
1755	B.Sc-Ag (Hons)	22ENGL101	COMPREHENSION AND COMMUNICATION SKILLS IN ENGLISH	2
1756	B.Sc-Ag (Hons)	22CPHY161	INTRODUCTORY BIOLOGY	2
1757	B.Sc-Ag (Hons)	22SMCA101	ELEMENTARY MATHEMATICS	2
1758	B.Sc-Ag (Hons)	22ENTO131	FUNDAMENTALS OF ENTOMOLOGY-I	3
1760	B.Sc-Ag (Hons)	22HORT181	FUNDAMENTALS OF HORTICULTURE	2
1762	B.Sc-Ag (Hons)	22AEXT191	RURAL SOCIOLOGY AND EDUCATIONAL PSYCHOLOGY	2
1763	B.Sc-Ag (Hons)	22COCA100	NSS/NCC/PHYSICAL EDUCATION AND YOGA PRACTICES	2

1777	EEE	22EE105	FUNDAMENTALS OF ELECTRICAL AND ELECTRONICS ENGINEERING	3
1779	M.Tech-ALL	22SAB101	EMPLOYMENT ORIENTATION PROGRAM	2
1780	M.Tech-ALL	22CYB101	CYBER SECURITY	2
1781	M.Tech-ALL	22MSB101	RESEARCH METHODOLOGY AND IPR	2
1782	M.Tech-FM	22FMB101	SOIL DYNAMICS IN TILLAGE AND TRACTION	4
1783	M.Tech-FM	22FMB102	DESIGN OF TILLAGE AND PLANTING EQUIPMENTS	4
1784	M.Tech-FM	22FMB103	FARM POWER AND MACHINERY MANAGEMENT	4
1785	M.Tech-FM	22FMB104	DESIGN OF PLANT PROTECTION AND HARVESTING EQUIPMENTS	4
1786	M.Tech-FM	22FMB105	TESTING AND EVALUATION OF TRACTORS AND FARM EQUIPMENTS	4
1787	M.Tech-FM	22FMB106	INTER DEPARTMENTAL PROJECT	2
1788	M.Tech-FM	22FMB107	TEACHING ASSISTANCESHIP	2
1789	M.Tech-FM	22FMB108	INTERNSHIP - PHASE I	13
1790	M.Tech-FM	22FMB109	PROJECT - PHASE I	13
1791	M.Tech-FM	22FMB110	INTERNSHIP - PHASE II	13
1792	M.Tech-FM	22FMB111	PROJECT - PHASE II	13
1793	M.Tech-FM	22FMB801	ERGONOMICS AND SAFETY IN FARM OPERATIONS	3
1794	M.Tech-FM	22FMB802	APPLIED INSTRUMENTATION IN FARM MACHINERY AND STRESS ANALYSIS	3
1795	M.Tech-FM	22FMB803	TRACTOR DESIGN	3
1796	M.Tech-FM	22FMB804	POWER HYDRAULICS	3
1797	M.Tech-FM	22FMB805	LAND GRINDING AND EARTH MOVING MACHINERY	3
1798	M.Tech-FM	22FMB806	HORTICULTURE AND FORESTRY EQUIPMENT	3
1799	M.Tech-FM	22FMB807	CONTROLLED ENVIRONMENT AGRICULTURE	3
1800	M.Tech-FM	22FMB808	PRODUCT MANUFACTURING TECHNOLOGY	3
1801	M.Tech-FM	22FMB809	FARM MACHINERY DYNAMICS, NOISE AND VIBRATION	3
1802	M.Tech-FM	22FMB810	ENGINEERING PROPERTIES OF FOOD MATERIALS	3
1803	M.Tech-FM	22FMB811	GEO-INFORMATICS AND NANO-TECHNOLOGY FOR PRECISION FARMING	3
1804	M.Tech-FM	22FMB812	DIMENSIONAL ANALYSIS AND SIMILITUDE	3
1805	M.Tech-FM	22FMB813	MACHINERY FOR HORTICULTURE AND PROTECTED AGRICULTURE	3
1806	M.Tech-FM	22FMB814	MACHINERY FOR PRECISION AGRICULTURE	3
1807	M.Tech-FM	22FMB815	FOUNDATION SKILLS IN INTEGRATED PRODUCT DEVELOPMENT	3
1808	M.Tech-CS	22CSB101	DATA STRUCTURES AND ALGORITHMS	4
1809	M.Tech-CS	22CSB102	MACHINE LEARNING	4
1810	M.Tech-CS	22CSB103	INTERNET OF THINGS	4
1811	M.Tech-CS	22CSB104	CLOUD COMPUTING	4
1812	M.Tech-CS	22CSB105	BIG DATA AND ANALYTICS	4
1813	M.Tech-CS	22CSB106	INTER DEPARTMENTAL PROJECT	2
1814	M.Tech-CS	22CSB107	TEACHING ASSISTANCESHIP	2
1815	M.Tech-CS	22CSB108	INTERNSHIP - PHASE I	13
1816	M.Tech-CS	22CSB109	PROJECT - PHASE I	13
1817	M.Tech-CS	22CSB110	INTERNSHIP - PHASE II	13



1818	M.Tech-CS	22CSB111	PROJECT - PHASE II	13
1819	M.Tech-CS	22CSB801	ARTIFICIAL INTELLIGENCE	3
1821	M.Tech-CS	22CSB803	DEEP LEARNING	3
1822	M.Tech-CS	22CSB804	COMPUTER VISION	3
1824	M.Tech-CS	22CSB806	DIGITAL IMAGE PROCESSING	3
1825	M.Tech-CS	22CSB807	DATA HANDLING AND VISUALIZATION	3
1826	M.Tech-CS	22CSB808	STATISTICAL FOUNDATIONS OF DATA SCIENCE	3
1828	M.Tech-CS	22CSB810	TIME SERIES ANALYSIS AND FORECASTING	3
1829	M.Tech-CS	22CSB811	KERNEL METHODS FOR PATTERN ANALYSIS	3
1830	M.Tech-CS	22CSB812	WIRELESS SENSOR NETWORKS	3
1831	M.Tech-CS	22CSB813	MOBILE ADHOC NETWORKS	3
1832	M.Tech-CS	22CSB814	BLOCKCHAIN TECHNOLOGIES	3
1833	M.Tech-CS	22CSB815	MOBILE AND WIRELESS SECURITY	3
1834	M.Tech-CS	22CSB816	ADVANCED CRYPTOGRAPHY	3
1835	M.Tech-CS	22CSB817	DIGITAL FORENSICS	3
1836	M.Tech-MD	22MDB101	MECHANISMS FOR AUTOMATION	4
1837	M.Tech-MD	22MDB102	MULTIBODY DYNAMICS	4
1838	M.Tech-MD	22MDB103	VIBRATION ANALYSIS & CONDITION MONITORING	4
1839	M.Tech-MD	22MDB104	ELECTRIC VEHICLE DESIGN	4
1840	M.Tech-MD	22MDB105	DESIGN FOR RELIABILITY AND MAINTAINABILITY	4
1841	M.Tech-MD	22MDB106	INTER DEPARTMENTAL PROJECT	2
1842	M.Tech-MD	22MDB107	TEACHING ASSISTANCESHIP	2
1843	M.Tech-MD	22MDB108	INTERNSHIP - PHASE I	13
1844	M.Tech-MD	22MDB109	PROJECT - PHASE I	13
1845	M.Tech-MD	22MDB110	INTERNSHIP - PHASE II	13
1846	M.Tech-MD	22MDB111	PROJECT - PHASE II	13
1847	M.Tech-MD	22MDB801	OPTIMIZATION TECHNIQUES	3
1848	M.Tech-MD	22MDB802	DESIGN OF SHAPE MEMORY ACTUATORS	3
1849	M.Tech-MD	22MDB803	APPLIED TRIBOLOGY	3
1850	M.Tech-MD	22MDB804	DESIGN SYNTHESIS	3
1851	M.Tech-MD	22MDB805	INDUSTRIAL HYDRAULICS AND PNEUMATICS	3
1852	M.Tech-MD	22MDB806	COMPUTATIONAL FLUID DYNAMICS	3
1853	M.Tech-MD	22MDB807	HUMANOID ROBOTS	3
1854	M.Tech-MD	22MDB808	SOFT COMPUTING TECHNIQUES	3
1855	M.Tech-MD	22MDB809	MECHANICS OF COMPOSITE MATERIALS	3
1856	M.Tech-MD	22MDB810	AERODYNAMICS	3
1857	M.Tech-MD	22MDB811	PRODUCT DEVELOPMENT AND VALUE ENGINEERING	3
1858	M.Tech-MD	22MDB812	DESIGN FOR ADDITIVE MANUFACTURING	3
1859	M.Tech-FPT	22FTB101	ADVANCES IN FOOD ENGINEERING	4
1860	M.Tech-FPT	22FTB102	ADVANCES IN FOOD TECHNOLOGY	4
1861	M.Tech-FPT	22FTB103	PROCESS SIMULATION AND OPTIMIZATION	4
1862	M.Tech-FPT	22FTB104	NEW PRODUCT DEVELOPMENT	4
1863	M.Tech-FPT	22FTB105	NOVEL PACKAGING TECHNOLOGY	4
1864	M.Tech-FPT	22FTB106	INTER DEPARTMENTAL PROJECT	2
1865	M.Tech-FPT	22FTB107	TEACHING ASSISTANCESHIP	2
1866	M.Tech-FPT	22FTB108	INTERNSHIP - PHASE I	13

1867	M.Tech-FPT	22FTB109	PROJECT - PHASE I	13
1868	M.Tech-FPT	22FTB110	INTERNSHIP - PHASE II	13
1869	M.Tech-FPT	22FTB111	PROJECT - PHASE II	13
1893	M.Tech-SE	22SEB106	INTER DEPARTMENTAL PROJECT	2
1894	M.Tech-SE	22SEB107	TEACHING ASSISTANCESHIP	2
1895	M.Tech-SE	22SEB108	INTERNSHIP - PHASE I	13
1896	M.Tech-SE	22SEB109	PROJECT - PHASE I	13
1897	M.Tech-SE	22SEB110	INTERNSHIP - PHASE II	13
1898	M.Tech-SE	22SEB111	PROJECT - PHASE II	13
1900	M.Tech-SE	22SEB802	ADVANCED CONCRETE TECHNOLOGY	3
1901	M.Tech-PED	22EEB101	EMERGING POWER ELECTRONIC DEVICES AND CONVERTERS	4
1902	M.Tech-PED	22EEB102	ELECTRIC DRIVES	4
1903	M.Tech-PED	22EEB103	MODELING AND ANALYSIS OF ELECTRICAL MACHINES	4
1904	M.Tech-PED	22EEB104	ELECTRIC VEHICLES TECHNOLOGY	4
1905	M.Tech-PED	22EEB105	DIGITAL CONTROL OF POWER ELECTRONICS AND DRIVE SYSTEMS	4
1906	M.Tech-PED	22EEB106	INTER DEPARTMENTAL PROJECT	2
1907	M.Tech-PED	22EEB107	TEACHING ASSISTANCESHIP	2
1908	M.Tech-PED	22EEB108	INTERNSHIP - PHASE I	13
1909	M.Tech-PED	22EEB109	PROJECT - PHASE I	13
1910	M.Tech-PED	22EEB110	INTERNSHIP - PHASE II	13
1911	M.Tech-PED	22EEB111	PROJECT - PHASE II	13
1912	M.Tech-PED	22EEB801	SWITCH MODE POWER CONVERSION	3
1913	M.Tech-PED	22EEB802	OPTIMIZATION TECHNIQUES	3
1914	M.Tech-PED	22EEB803	ADVANCED CONTROL SYSTEMS	3
1915	M.Tech-PED	22EEB804	ENERGY AUDIT, CONSERVATION AND MANAGEMENT	3
1916	M.Tech-PED	22EEB805	SMART GRID TECHNOLOGIES	3
1917	M.Tech-PED	22EEB806	FLEXIBLE OF AC TRANSMISSION SYSTEMS	3
1918	M.Tech-PED	22EEB807	SOFT COMPUTING TECHNIQUES IN ELECTRICAL ENGINEERING	3
1919	M.Tech-PED	22EEB808	PROGRAMMABLE LOGIC CONTROLLERS	3
1920	M.Tech-PED	22EEB809	PV TECHNOLOGIES AND APPLICATIONS	3
1921	M.Tech-PED	22EEB810	ENERGY STORAGE AND MANAGEMENT SYSTEM	3
1922	M.Tech-PED	22EEB811	EV CHARGING INFRASTRUCTURE AND BMS	3
1923	M.Tech-PED	22EEB812	MODELLING AND SIMULATION OF ELECTRIC VEHICLES	3
1924	M.Tech-PED	22EEB813	INTELLIGENT TRANSPORT SYSTEMS	3
1925	M.Tech-PED	22EEB814	PROCESSOR APPLICATIONS IN ELECTRICAL ENGINEERING	3
1926	M.Tech-PED	22EEB815	HIGH VOLTAGE DC TRANSMISSION	3
1932	B.A.LL.B	22LA106	BASIC COMPUTER AND IT SKILLS	3
1938	B.B.A.LL.B	22LB106	BASIC COMPUTER AND IT SKILLS	3
1939	M.Sc (C)	22CT401	MAIN GROUP AND COORDINATION CHEMISTRY	4
1940	M.Sc (C)	22CT402	ESSENTIALS OF ORGANIC CHEMISTRY	4
1941	M.Sc (C)	22CT403	THERMODYNAMICS AND CHEMICAL KINETICS	4
1943	M.Sc (C)	22CT405	IT WORKSHOP AND CYBER SECURITY	3
1944	M.Sc (C)	22CT406	EMPLOYMENT ORIENTATION PROGRAM	2

1945	M.Sc (C)	22CT407	ORGANOMETALLIC AND BIOINORGANIC CHEMISTRY	4
1946	M.Sc (C)	22CT408	ADVANCED PHYSICAL CHEMISTRY	4
1947	M.Sc (C)	22CT409	REACTIONS, REAGENTS AND MECHANISM	4
1949	M.Sc (C)	22CT411	MINI PROJECT	3
1951	M.Sc (OC)	22CT401	MAIN GROUP AND COORDINATION CHEMISTRY	4
1952	M.Sc (OC)	22CT402	ESSENTIALS OF ORGANIC CHEMISTRY	4
1953	M.Sc (OC)	22CT403	THERMODYNAMICS AND CHEMICAL KINETICS	4
1955	M.Sc (OC)	22CT405	IT WORKSHOP AND CYBER SECURITY	3
1956	M.Sc (OC)	22CT406	EMPLOYMENT ORIENTATION PROGRAM	2
1957	M.Sc (OC)	22CT407	ORGANOMETALLIC AND BIOINORGANIC CHEMISTRY	4
1958	M.Sc (OC)	22CT408	ADVANCED PHYSICAL CHEMISTRY	4
1959	M.Sc (OC)	22CT409	REACTIONS, REAGENTS AND MECHANISM	4
1961	M.Sc (OC)	22CT411	MINI PROJECT	3
1963	ECE	22EC951	COMPUTER VISION AND IMAGE PROCESSING	4
1964	ECE	22EC953	MACHINE LEARNING TECHNIQUES	4
1966	ECE	22EC979	DEEP LEARNING	4
1968	All B.Tech	22SA203	KUCHIPUDI (CLASSICAL DANCE)	1
1969	All B.Tech	22SA204	WESTERN DANCE	1
1970	All B.Tech	22SA205	CARNATIC MUSIC	1
1971	All B.Tech	22SA206	LITERARY – PUBLIC SPEAKING	1
1972	All B.Tech	22SA207	PAINTING	1
1973	All B.Tech	22SA208	YOGA	1
1974	All B.Tech	22SA209	COOKERY	1
1975	All B.Tech	22SA210	VIDEO EDITING	1
1976	All B.Tech	22SA211	GERMAN	1
1977	All B.Tech	22SA212	FRENCH	1
1978	All B.Tech	22SA213	PHOTOGRAPHY	1
1979	All B.Tech	22SA214	APSSDC ELECTRICAL HOME	1
1980	All B.Tech	22SA215	APSSDC ELECTRONICS HOME	1
1981	All B.Tech	22SA216	BLOCK PRINTING-KALAMKARI	1
1982	All B.Tech	22SA217	HANDCRAFTS	1
1983	All B.Tech	22SA218	AEROBICS	1
1988	MA-English	22EN405	IT TOOLS WORKSHOP: EDITING PRACTICE	4
1992	MA-English	22EN409	ADVANCED LISTENING AND SPEAKING SKILLS LAB	2
1993	MA-English	22EN410	CEFR B1 PROFICIENCY	2
1997	MA-English	22EN504	CEFR B2 PROFICIENCY	2
1998	MA-English	22EN505	CYBER SECURITY	2
2002	MA-English	22EN509	TRANSLATION STUDIES (A PRACTICAL APPROACH ORIENTATION LAB)	4
2003	MA-English	22EN510	PROJECT	4
2011	B.Sc-Ag (Hons)	22AMBE101	AGRICULTURAL MICROBIOLOGY	2
2012	B.Sc-Ag (Hons)	22AGRO103	INTRODUCTORY AGROMETEOROLOGY AND CLIMATE CHANGE	2
2013	B.Sc-Ag (Hons)	22AGRO104	INTRODUCTION TO FORESTRY	2

2014	B.Sc-Ag (Hons)	22SMCA102	AGRICULTURE INFORMATICS	2
2015	B.Sc-Ag (Hons)	22GPBR111	FUNDAMENTALS OF GENETICS	3
2016	B.Sc-Ag (Hons)	22SSAC121	FUNDAMENTALS OF SOIL SCIENCE	3
2017	B.Sc-Ag (Hons)	22AENG151	SOIL AND WATER CONSERVATION ENGINEERING	2
2018	B.Sc-Ag (Hons)	22CPHY162	FUNDAMENTALS OF CROP PHYSIOLOGY	3
2019	B.Sc-Ag (Hons)	22PATH171	FUNDAMENTALS OF PLANT PATHOLOGY-I	2
2020	B.Sc-Ag (Hons)	22HORT182	PRODUCTION TECHNOLOGY OF FRUITS AND PLANTATION CROPS	2
2021	B.Sc-Ag (Hons)	22COCA101	EDUCATION TOUR	2
2022	B.Sc-Ag (Hons)	22AGRO201	CROP PRODUCTION TECHNOLOGY - I (CEREALS, MILLETS AND PULSES)	3
2023	B.Sc-Ag (Hons)	22GPBR211	FUNDAMENTALS OF PLANT BREEDING	3
2024	B.Sc-Ag (Hons)	22ENTO231	FUNDAMENTALS OF ENTOMOLOGY-II	2
2025	B.Sc-Ag (Hons)	22AECO241	AGRICULTURAL FINANCE AND CO-OPERATION	2
2026	B.Sc-Ag (Hons)	22AENG251	FARM MACHINERY AND POWER	2
2027	B.Sc-Ag (Hons)	22CPHY261	ECO-PHYSIOLOGY	2
2029	B.Sc-Ag (Hons)	22HORT281	PRODUCTION TECHNOLOGY FOR VEGETABLES AND SPICES	2
2030	B.Sc-Ag (Hons)	22AEXT291	FUNDAMENTALS OF AGRICULTURAL EXTENSION	3
2031	B.Sc-Ag (Hons)	22AB201	PYTHON PROGRAMMING	2
2032	B.Sc-Ag (Hons)	22SMCA201	STATISTICAL METHODS	2
2033	B.Sc-Ag (Hons)	22AGRO202	CROP PRODUCTION TECHNOLOGY-II ((OILSEEDS, FIBRE, SUGAR, TOBACCO AND FODDER CROPS)	2
2035	B.Sc-Ag (Hons)	22AGRO204	IRRIGATION WATER MANAGEMENT	2
2036	B.Sc-Ag (Hons)	22LSPM201	LIVE-STOCK AND POULTRY MANAGEMENT	3
2037	B.Sc-Ag (Hons)	22SSAC221	MANURES, FERTILIZERS AND SOIL FERTILITY MANAGEMENT	3
2038	B.Sc-Ag (Hons)	22AECO242	AGRICULTURAL MARKETING, TRADE AND PRICES	3
2039	B.Sc-Ag (Hons)	22AENG252	RENEWABLE ENERGY AND GREEN TECHNOLOGY	2
2040	B.Sc-Ag (Hons)	22HORT282	PRODUCTION TECHNOLOGY FOR ORNAMENTAL CROPS, MEDICINAL AND AROMATIC PLANTS AND LANDSCAPING	2
2041	B.Sc-Ag (Hons)	22AEXT292	ENTREPRENEURSHIP DEVELOPMENT AND BUSINESS COMMUNICATION	2

2042	B.Sc-Ag (Hons)	22AB202	STATISTICAL METHODS WITH DATA VISUALIZATION	2
2043	B.Sc-Ag (Hons)	<b>22ELCT284</b>	SOIL LESS FARMING	3
2044	B.Sc-Ag (Hons)	22AGRO301	GEOINFORMATICS AND NANOTECHNOLOGY FOR PRECISION FARMING	2
2045	B.Sc-Ag (Hons)	22AGRO302	PRACTICAL CROP PRODUCTION	1
2047	B.Sc-Ag (Hons)	22GPBR311	CROP IMPROVEMENT - I (CEREALS, MILLETS, PULSES AND OILSEEDS)	2
2048	B.Sc-Ag (Hons)	22SSAC321	PROBLEMATIC SOILS AND THEIR MANAGEMENT	2
2049	B.Sc-Ag (Hons)	22ENTO331	PESTS OF FIELD CROPS AND STORED GRAIN AND THEIR MANAGEMENT	3
2050	B.Sc-Ag (Hons)	22AENG351	PROTECTED CULTIVATION AND POST-HARVEST TECHNOLOGIES	2
2051	B.Sc-Ag (Hons)	22CPHY361	ENVIRONMENTAL STUDIES AND DISASTER MANAGEMENT	2
2052	B.Sc-Ag (Hons)	22PATH371	DISEASES OF FIELD AND HORTICULTURAL CROPS AND THEIR MANAGEMENT – I (KARIF CROPS)	3
2053	B.Sc-Ag (Hons)	22PATH373	PRINCIPLES OF INTEGRATED PEST AND DISEASE MANAGEMENT	3
2054	B.Sc-Ag (Hons)	<b>22ELCT342</b>	<b>AGRIBUSINESS MANAGEMENT</b>	<b>3</b>
2055	B.Sc-Ag (Hons)	<b>22ELCT333</b>	<b>BIO-PESTICIDES AND BIO-FERTILIZERS</b>	<b>3</b>
2056	B.Sc-Ag (Hons)	22AGRO303	RAINFED AGRICULTURE AND WATERSHED MANAGEMENT	2
2057	B.Sc-Ag (Hons)	22AGRO304	PRINCIPLES OF ORGANIC FARMING	2
2058	B.Sc-Ag (Hons)	22GPBR312	CROP IMPROVEMENT-II (FIBRE, SUGAR, STARCHES, NARCOTICS, VEGETABLES, FRUITS AND FLOWERS)	2
2060	B.Sc-Ag (Hons)	22GPBR314	PRINCIPLES OF SEED TECHNOLOGY	2
2061	B.Sc-Ag (Hons)	22ENTO332	PESTS OF HORTICULTURAL CROPS AND THEIR MANAGEMENT AND BENEFICIAL INSECTS	3
2062	B.Sc-Ag (Hons)	22AECO341	FARM MANAGEMENT, PRODUCTION AND RESOURCE ECONOMICS	2
2063	B.Sc-Ag (Hons)	22PATH372	DISEASES OF FIELD AND HORTICULTURAL CROPS AND THEIR MANAGEMENT – II (RABI CROPS)	2
2064	B.Sc-Ag (Hons)	22HORT381	POST-HARVEST MANAGEMENT AND VALUE ADDITION OF FRUITS AND VEGETABLES	2
2065	B.Sc-Ag (Hons)	22AEXT391	COMMUNICATION SKILLS AND PERSONALITY DEVELOPMENT	2
2066	B.Sc-Ag (Hons)	22AB301	MACHINE LEARNING	2
2067	B.Sc-Ag (Hons)	<b>22ELCT374</b>	<b>MUSHROOM PRODUCTION TECHNOLOGY</b>	<b>3</b>
2075	B.PHARMACY	18BP008	HUMAN ANATOMY & PHYSIOLOGY LAB	2
2076	B.PHARMACY	18BP009	PHARMACEUTICAL ANALYSIS-I LAB	2
2077	B.PHARMACY	18BP010	PHARMACEUTICS-I LAB	2

2078	B.PHARMACY	18BP011	PHARMACEUTICAL INORGANIC CHEMISTRY LAB	2
2079	B.PHARMACY	18BP012	COMMUNICATION SKILLS LAB	1
2080	B.PHARMACY	18BP013	REMEDIAL BIOLOGY LAB	1
2087	B.PHARMACY	18BP022	HUMAN ANATOMY & PHYSIOLOGY-II LAB	2
2088	B.PHARMACY	18BP023	PHARMACEUTICAL ORGANIC CHEMISTRY-I LAB	2
2089	B.PHARMACY	18BP024	BIOCHEMISTRY LAB	2
2090	B.PHARMACY	18BP025	COMPUTER APPLICATIONS IN PHARMACY LAB	1
2095	B.PHARMACY	18BP035	PHARMACEUTICAL ORGANIC CHEMISTRY-II LAB	2
2096	B.PHARMACY	18BP036	PHYSICAL PHARMACEUTICS-I LAB	2
2097	B.PHARMACY	18BP037	PHARMACEUTICAL MICROBIOLOGY LAB	2
2098	B.PHARMACY	18BP038	PHARMACEUTICAL ENGINEERING LAB	2
2104	B.PHARMACY	18BP046	MEDICINAL CHEMISTRY-I LAB	2
2105	B.PHARMACY	18BP047	PHYSICAL PHARMACEUTICS-II LAB	2
2106	B.PHARMACY	18BP048	PHARMACOLOGY-I LAB	2
2107	B.PHARMACY	18BP049	PHARMACOGNOSY & PHYTOCHEMISTRY-I LAB	2
2113	B.PHARMACY	18BP061	INDUSTRIAL PHARMACY-I LAB	2
2114	B.PHARMACY	18BP062	PHARMACOLOGY-II LAB	2
2115	B.PHARMACY	18BP063	PHARMACOGNOSY AND PHYTOCHEMISTRY-II LAB	2
2122	B.PHARMACY	18BP072	MEDICINAL CHEMISTRY-III LAB	2
2123	B.PHARMACY	18BP073	PHARMACOLOGY-III LAB	2
2124	B.PHARMACY	18BP074	HERBAL DRUG TECHNOLOGY LAB	2
2129	B.PHARMACY	18BP080	INSTRUMENTAL METHODS OF ANALYSIS LAB	2
2130	B.PHARMACY	18BP081	PRACTICE SCHOOL	6
2143	B.PHARMACY	18BP098	PROJECT WORK	6
2144	B.PHARMACY	18BP099	LIFE SKILLS	1
2145	EEE	22EE105	FUNDAMENTALS OF ELECTRICAL AND ELECTRONICS ENGINEERING	3
2147	BI	22BT104	IT WORKSHOP AND BIOPRODUCTS	2
2148	BME, ece, cse, acse	22CS105	IT WORKSHOP AND TOOLS	2
2149	BT	22BT104	IT WORKSHOP AND BIOPRODUCTS	2
2150	CHEM	22CH102	IT WORKSHOP AND CHEMICAL ENGINEERING PRODUCTS	2
2151	CIVIL	22CE103	IT WORKSHOP AND CIVIL ENGINEERING PRODUCTS.	2
2152	EEE	22EE106	IT WORKSHOP AND ELECTRICAL ENGINEERING PRODUCTS	2
2153	FT	22FT104	IT WORKSHOP AND FOOD ENGINEERING PRODUCTS	2
2154	IT	22IT103	IT WORKSHOP AND TOOLS	2
2155	MECH	22ME104	IT WORKSHOP AND MECHANICAL ENGINEERING PRODUCTS	2
2156	RA	22RA102	IT WORKSHOP AND ROBOTIC ENGINEERING PRODUCTS	2
2157	TT	22TT103	IT WORKSHOP AND TEXTILE ENGINEERING PRODUCTS	2
2158	All B.Tech	22TP105	PROBLEM SOLVING THROUGH PROGRAMMING - I	4
2159	All B.Tech	22TP106	PROBLEM SOLVING THROUGH PROGRAMMING - II	3
2161	CSE - DS	22PY105	SEMICONDUCTOR PHYSICS AND ELECTROMAGNETICS	3
2162	CSE - DS	22EE101	BASICS OF ELECTRICAL AND ELECTRONICS ENGINEERING	3
2163	CSE - DS	22CS103	IT WORKSHOP AND TOOLS	3
2164	CSE - DS	22CS105	IT WORKSHOP AND TOOLS	2
2165	CSE - DS	22TP103	PROGRAMMING IN C	4

2166	CSE - DS	22TP105	PROBLEM SOLVING THROUGH PROGRAMMING - I	4
2167	CSE - DS	22EN102	ENGLISH PROFICIENCY AND COMMUNICATION SKILLS	1
2168	CSE - DS	22SA101	PHYSICAL FITNESS, SPORTS AND GAMES – I	1
2172	CSE - DS	22ME101	ENGINEERING GRAPHICS	3
2173	CSE - DS	22TP106	PROBLEM SOLVING THROUGH PROGRAMMING - II	3
2174	CSE - DS	22TP104	BASIC CODING COMPETENCY	2
2175	CSE - DS	22EN104	TECHNICAL ENGLISH COMMUNICATION	3
2176	CSE - DS	22CS104	PYTHON PROGRAMMING	3
2177	CSE - DS	22SA103	PHYSICAL FITNESS, SPORTS AND GAMES – II	1
2178	CSE - DS	22SA102	ORIENTATION SESSION	3
2179	All B.Tech	22FT853	BEVERAGE TECHNOLOGY	3
2181	AGE	22BEAS110	ADVANCED CALCULUS AND PARTIAL DIFFERENTIAL EQUATIONS	3
2182	AGE	22BEAS111	SURVEYING AND LEVELLING	3
2183	AGE	22BEAS112	FLUID MECHANICS AND OPEN CHANNEL HYDRAULICS	3
2184	AGE	22BEAS113	PRINCIPLES OF SOIL SCIENCE	3
2185	AGE	22BEAS114	COMPUTER PROGRAMMING AND DATA STRUCTURES	3
2186	AGE	22BEAS115	APPLIED ELECTRONICS AND INSTRUMENTATION	3
2187	AGE	22BEAS116	STRENGTH OF MATERIALS	2
2188	AGE	22SA101	PHYSICAL EDUCATION, SPORTS AND GAMES – I	1*
2189	AGE	22SA102	ORIENTATION SESSION	3*
2191	AGE	22BEAS208	THERMODYNAMICS, REFRIGERATION AND AIR CONDITIONING	3
2192	AGE	22BEAS209	AUTOCAD APPLICATIONS	2
2194	AGE	22FMPE201	TRACTOR AND AUTOMOTIVE ENGINES	3
2195	AGE	22PAFE201	ENGINEERING PROPERTIES OF AGRICULTURAL PRODUCE	2
2196	AGE	22IADE202	IRRIGATION ENGINEERING	3
2197	AGE	22SWCE202	SOIL AND WATER CONSERVATION ENGINEERING	3
2198	AGE	22REE201	FUNDAMENTALS OF RENEWABLE ENERGY SOURCES	3
2199	AGE	22FMPE303	INTERCULTURAL, HARVESTING AND THRESHING EQUIPMENT	3
2200	AGE	22PAFE303	POST-HARVEST ENGINEERING OF HORTICULTURAL CROPS	2
2201	AGE	22SWCE302	WATER HARVESTING AND SOIL CONSERVATION STRUCTURES	3
2202	AGE	22PAFE304	DAIRY AND FOOD ENGINEERING	3
2203	AGE	22REE302	BIO-ENERGY SYSTEMS: DESIGN AND APPLICATIONS	3
2204	AGE	22BEAS303	WEB DESIGNING AND INTERNET APPLICATIONS	2
2205	AGE	22IADE302	DRAINAGE ENGINEERING	2
2206	AGE	22FMPE304	TRACTOR SYSTEMS AND CONTROLS	3
2207	AGE	22SDT401	SKILL DEVELOPMENT TRAINING-I	5
2208	AGE	22SDT402	SKILL DEVELOPMENT TRAINING-II	5
2209	AGE	22ELP401	EXPERIENTIAL LEARNING ON CAMPUS	10
2210	AGE	22IAP401	INTERNSHIP	10
2211	AGE	22ET401	EDUCATIONAL TOUR	2*
2212	AGE	22PPRW401	PROJECT PLANNING AND REPORT WRITING	10
2213	AGE	22ELCT201	FLOODS AND CONTROL MEASURES	3
2214	AGE	22ELCT202	WASTELAND DEVELOPMENT	3

2215	AGE	22ELCT203	REMOTE SENSING AND GIS APPLICATIONS	3
2216	AGE	22ELCT204	MANAGEMENT OF CANAL IRRIGATION SYSTEM	3
2217	AGE	22ELCT301	PRECISION FARMING TECHNIQUES FOR PROTECTED CULTIVATION	3
2218	AGE	22ELCT302	HYDRAULIC DRIVES AND CONTROLS	3
2219	AGE	22ELCT303	TRACTOR DESIGN AND TESTING	3
2220	AGE	22ELCT305	FOOD QUALITY AND CONTROL	3
2221	AGE	22ELCT306	FOOD PACKAGING TECHNOLOGY	3
2222	AGE	22ELCT307	DEVELOPMENT OF PROCESSED PRODUCTS	3
2223	AGE	22ELCT308	PROCESS EQUIPMENT DESIGN	3
2226	CSBS	22EC103	PRINCIPLES OF ELECTRONICS ENGINEERING	3
2227	CSBS	22CS101	DATA STRUCTURES & ALGORITHMS	4
2228	CSBS	<b>22CS106</b>	FUNDAMENTALS OF COMPUTER SCIENCE – II	3
2230	CSBS	22SA103	PHYSICAL FITNESS, SPORTS & GAMES – II	1
2231	CSBS	22SA102	ORIENTATION SESSION	3
2232	CSBS	22EN103	BUSINESS COMMUNICATION & VALUE SCIENCE – II	1
2234	CSBS	22CB206	DESIGN AND ANALYSIS OF ALGORITHMS	4
2235	CSBS	22CB208	OPERATING SYSTEMS	4
2238	CSBS	22SA202	LIFE SKILLS	1
2239	CSBS	22EN201	BUSINESS COMMUNICATION & VALUE SCIENCE - III	1
2240	CSBS	22CB302	INDUSTRY INTERFACE COURSE	1
2241	CSBS	22TP301	SOFT SKILLS LABORATORY	1
2242	CSBS	22CB301	INTER DEPARTMENTAL PROJECT – PHASE I	0
2245	All B.Tech	22FT906	INTRODUCTION TO CULINARY ARTS	4
2246	All B.Tech	22FT907	SAUCES, SEASONINGS, AND SOUPS	4
2247	All B.Tech	22FT908	POULTRY, MEAT AND SEAFOODS	4
2248	All B.Tech	22FT909	STREET FOODS OF INDIA	4
2249	All B.Tech	22FT910	DESERTS AND PLATING	4
2251	All B.Tech	22CE918	COMPUTER AIDED DESIGN	4
2254	All B.Tech	22CE921	INTERIOR DESIGN STUDIO USING V-RAY SKETCH UP.	4
2255	All B.Tech	22TT901	BASICS OF DRESS MAKING	4
2256	All B.Tech	22TT902	MAKING CHILDREN'S GARMENTS	4
2257	All B.Tech	22TT903	MAKING WOMEN'S GARMENT	4
2258	All B.Tech	22TT904	MAKING MEN'S GARMENTS	4
2259	All B.Tech	22TT905	PROJECT WORK	4
2260	All B.Tech	22SA911	BASICS OF INDIAN MUSIC	4
2265	All B.Tech	22SA916	BASICS OF INDIAN CLASSICAL DANCE	4
2275	All B.Tech	22SA926	DRAWING BASICS AND PERSPECTIVE DRAWING	4
2290	All B.Tech	22SA941	PROJECT	4
2291	All B.Tech	22SA942	INTRODUCTION EYEBROWS, PEDICURE AND MANICURE	4
2292	All B.Tech	22SA943	HAIR STYLING AND TREATMENTS	4
2293	All B.Tech	22SA944	MAKEUP ARTISTRY	4
2294	All B.Tech	22SA945	PROFESSIONAL ETHICS OF BEAUTY PROFESSIONAL	4
2295	All B.Tech	22SA946	BEAUTICIAN COURSE PROJECTS AND PRACTICES	4
2301	All B.Tech	22EN901	A COURSE ON LITERARY APPRECIATION	4
2302	All B.Tech	22EN902	CULTURAL STUDIES	4



2304	All B.Tech	22EN904	WORLD CLASSICS	4
2305	All B.Tech	22EN905	PERFORMATIVE LITERATURE	4
2318	M.Tech-SE	22SEB104	ADVANCED REINFORCED CONCRETE DESIGN	4
2319	M.Tech-SE	22SEB105	FINITE ELEMENT ANALYSIS	4
2320	BI	22BI205	PYTHON PROGRAMMING FOR BIOTECHNOLOGISTS	4
2321	BI	22BI309	GENOMICS AND PROTEOMICS	4
2322	BI	22BI812	MOLECULAR MODELLING AND SIMULATIONS	3
2323	BI	22BI813	STRUCTURAL BIOINFORMATICS AND INSTRUMENTAL TECHNIQUES	3
2324	CSE - CS	22CY204	COMPUTER NETWORKS	4
2325	CSE - CS	22CY205	ALGORITHMS AND ANALYSIS	4
2326	CSE - CS	22CY206	OPERATING SYSTEMS	3
2327	CSE - AI & ML	22AM205	OBJECT ORIENTED PROGRAMMING	4
2328	CSE - DS	22DS204	ARTIFICIAL INTELLIGENCE	4
2344	CSE	22CS960	COMPETITIVE CODING	4
2345	CSE	22CS961	FULL STACK DEVELOPMENT	4
2346	CSE	22CS962	MOBILE APPLICATION DEVELOPMENT	4
2347	CSE	22CS963	SOFTWARE TESTING AND AUTOMATION	4
2348	CSE	22CS964	PROJECT	4
2349	DEAN-TD	22TD951	FULL STACK DEVELOPMENT-I	4
2350	DEAN-TD	22TD952	FULL STACK DEVELOPMENT-II	4
2351	DEAN-TD	22TD953	FULL STACK DEVELOPMENT-III	4
2352	DEAN-TD	22TD954	FULL STACK DEVELOPMENT-IV	4
2353	DEAN-TD	22TD955	FULL STACK DEVELOPMENT-V	4
2354	CSE	22TP205	FRONT END APPLICATION DEVELOPMENT	1
2355	IT	22IT956	CODING COMPETENCY	4
2356	IT	22IT957	ADVANCED WEB TECHNOLOGIES	4
2357	IT	22IT958	ADVANCED MOBILE APPLICATION DEVELOPMENT	4
2358	IT	22IT959	SOFTWARE TESTING METHODOLOGIES	4
2359	IT	22IT960	PROJECT	4
2360	IT	22IT961	MERN STACK DEVELOPMENT	4
2361	IT	22IT962	ADVANCED DATA STRUCTURES	4
2363	EEE/ECE	22CS912	COMPETITIVE CODING	4
2364	EEE/ECE	22CS911	DB MANAGEMENT SYSTEMS	4
2365	CSE - DS	22DS960	DATA ANALYSIS USING R	4
2366	CSE - CS	22CY960	GOOGLE CYBER SECURITY PROFESSIONAL COMPETENCY	4
2367	CSE - AI & ML	22AM960	MACHINE LEARNING TOOLS	4
2368	All Btech	22SS901	CIVIL SERVICES (POLITY+CSAT+CURRENT AFFAIRS)	4
2370	CSE	22CS310	COMPUTING ETHICS	2
2371	CSE	22CS406	PRIVACY AND INTRUSION DETECTION	3
2372	M.Tech-MD	22MDB951	MODELLING AND SIMULATION OF AUTONOMOUS ROBOTS	4
2373	M.Tech-MD	22MDB952	DIGITALIZATION OF MANUFACTURING SYSTEMS	4
2374	M.Tech-MD	22MDB953	DRONE TECHNOLOGY	4
2375	M.Tech-MD	22MDB954	BIO MECHANICS	4
2381	CSE - AI & ML	22AM961	INTELLIGENT APPLICATION DEVELOPMENT	4
2383	CSBS	22CB303	MOBILE APPLICATION DEVELOPMENT	3

2384	CSBS	22CB304	DATA MINING AND ANALYTICS	4
2386	B.Sc-Ag (Hons)	22ELCT305	AGRICULTURAL WASTE MANAGEMENT	3
2387	B.Sc-Ag (Hons)	22ELCT306	WEED MANAGEMENT	3
2388	B.Sc-Ag (Hons)	22ELCT315	COMMERCIAL PLANT BREEDING	3
2389	B.Sc-Ag (Hons)	22ELCT222	SOIL, PLANT, WATER AND SEED TESTING	3
2390	B.Sc-Ag (Hons)	22ELCT334	AGROCHEMICALS	3
2391	B.Sc-Ag (Hons)	22ELCT362	MICRO-PROPAGATION TECHNOLOGIES	3
2392	B.Sc-Ag (Hons)	22ELCT272	FOOD SAFETY ISSUES	3
2393	B.Sc-Ag (Hons)	22ELCT283	HI-TECH HORTICULTURE	3
2394	B.Sc-Ag (Hons)	22ELCT382	LANDSCAPING	3
2395	B.Sc-Ag (Hons)	22ELCT383	PROTECTED CULTIVATION	3
2413	CSE - DS	22DS202	ADVANCED STATISTICAL METHODS	3
2414	DCSE/DECE	22DEC206	COMPUTER ORGANISATION AND MICROPROCESSORS	4
2415	DECE	22DEC208	MICROWAVE AND RADAR	3
2416	DECE	22DEC207	ELECTRONIC MEASUREMENTS AND INSTRUMENTATION	3
2418	DECE	22DMEC209	ELECTRONIC CIRCUITS	4
2419	DECE	22DEC210	MINOR PROJECT - I	1
2420	DCSE/DECE	22DSA202	LIFE SKILLS	1
2422	DECE	22DEC301	MICROCONTROLLER AND APPLICATIONS	4
2423	DECE	22DEC303	COMPUTER NETWORKS AND DATA COMMUNICATION	4
2424	DECE	22DEC302	OPTICAL COMMUNICATIONS	4
2425	DECE	22DEC304	MINOR PROJECT - II	1
2426	DCSE/DECE	22DTP301	ESSENCE OF INDIAN KNOWLEDGE AND TRADITION	1
2427	DECE	22DEC305	INTERNSHIP	15
2428	DECE	22DEC306	INDUSTRIAL TRAINING	15
2430	DCSE/DECE	22DPY102	APPLIED PHYSICS - II	3
2431	DCSE/DECE	22DCS101	BASICS OF COMPUTER ENGINEERING	4
2432	DCSE/DECE	22DEE101	FUNDAMENTALS OF ELECTRICAL AND ELECTRONICS ENGINEERING	4
2433	DCSE/DECE	22DCS102	PROGRAMMING IN C	4
2434	DCSE/DECE	22DSA102	PHYSICAL FITNESS, SPORTS & GAMES – II	1
2435	DCSE/DECE	22DTP101	CONSTITUTION OF INDIA	1
2436	DCSE	22DCS206	DATA STRUCTURES	3
2437	DCSE	22DCS207	JAVA PROGRAMMING	4
2438	DCSE	22DCS208	COMPUTER NETWORKS AND DATA COMMUNICATION	3
2439	DCSE	22DCS209	MINOR PROJECT - I	1
2440	DCSE	22DCS301	DESIGN AND ANALYSIS OF ALGORITHMS	4
2441	DCSE	22DCS302	WEB TECHNOLOGIES	4

2442	DCSE	22DCS303	OPERATING SYSTEMS	4
2443	DCSE	22DCS304	MINOR PROJECT - II	1
2444	DCSE	22DCS305	INTERNSHIP	15
2445	DCSE	22DCS306	INDUSTRIAL TRAINING	15
2446	CSE - DS	22TP203	ADVANCED CODING COMPETENCY	1
2447	CSE - DS	22TP204	PROFESSIONAL COMMUNICATION	1
2448	CSE - DS	22AM205	OBJECT ORIENTED PROGRAMMING	4
2449	CSE - DS	22CY205	ALGORITHMS AND ANALYSIS	4
2450	CSE - DS	22TP301	SOFT SKILLS LABORATORY	1
2451	CSE - DS	22CS303	WEB TECHNOLOGIES	4
2452	CSE - DS	22AM204	MACHINE LEARNING	4
2453	CSE - DS	22CS207	OPERATING SYSTEMS	3
2454	CSE - DS	22DS301	INTER DEPARTMENTAL PROJECT – PHASE I	0
2455	CSE - DS	22DS302	INDUSTRY INTERFACE COURSE	1
2457	CSE - DS	22CY204	COMPUTER NETWORKS	4
2458	CSE - DS	22DS303	DATA ANALYTICS	3
2460	CSE - DS	22DS304	INTER DEPARTMENTAL PROJECT – PHASE II	2
2461	CSE - DS	22DS401	CLOUD COMPUTING AND ANALYTICS	4
2462	CSE - DS	22AM301	DEEP LEARNING	4
2463	CSE - DS	22CS402	BIG DATA ANALYTICS	4
2464	CSE - DS	22DS402	INTERNSHIP	12
2465	CSE - DS	22DS403	PROJECT WORK	12
2466	CSE - DS	22DS801	DATA WRANGLING	4
2467	CSE - DS	22DS802	SPEECH PROCESSING AND ANALYTICS	4
2468	CSE - DS	22DS803	SOCIAL, WEB AND MOBILE ANALYTICS	4
2469	CSE - DS	22DS804	TIME SERIES ANALYSIS AND FORECASTING	4
2470	CSE - DS	22DS805	VISUAL ANALYSIS	4
2472	CSE - DS	22DS807	KERNEL METHODS FOR PATTERN ANALYSIS	4
2473	CSE - DS	22CS801	ADVANCED DATA STRUCTURES	4
2474	CSE - DS	22CS802	ADVANCED JAVA PROGRAMMING	4
2475	CSE - DS	22CS808	MOBILE APPLICATION DEVELOPMENT	4
2478	CSE - DS	22AM803	COMPUTER VISION	4
2479	CSE - DS	22AM806	DATA WAREHOUSING AND DATA MINING	4
2482	CSE - DS	22AM809	INTRODUCTION TO SOFTWARE ENGINEERING	4
2483	CSE - DS	22DS901	BIG DATA ANALYTICS	4
2484	CSE - DS	22DS902	DATA SCIENCE USING PYTHON	4
2485	CSE - DS	22AM907	INTRODUCTION TO PYTHON PROGRAMMING	4
2486	CSE - DS	22DS903	STATISTICAL METHODS AND DATA VISUALIZATION	4
2487	CSE - DS	22DS904	MACHINE LEARNING	4
2488	CSE - DS	22CS909	CAPSTONE PROJECT	4
2489	CSBS	22CB307	INTER DEPARTMENTAL PROJECT – PHASE II	2
2491	CSBS	22CY204	COMPUTER NETWORKS	4
2492	CSBS	22EN301	BUSINESS COMMUNICATION AND VALUE SCIENCE – IV LAB	1
2493	CSBS	22DS204	ARTIFICIAL INTELLIGENCE	4
2494	CSBS	22CB401	SERVICES SCIENCE AND SERVICE OPERATIONAL MANAGEMENT	3

2496	CSBS	22CB403	IT PROJECT MANAGEMENT	3
2497	CSBS	22CB404	INTERNSHIP	12
2498	CSBS	22CB405	PROJECT WORK	12
2499	CSBS	22CS806	MACHINE LEARNING	4
2500	CSBS	22CB801	IMAGE PROCESSING AND PATTERN RECOGNITION	4
2501	CSBS	22CB802	INTRODUCTION TO IOT	4
2502	CSBS	22CS804	DEEP LEARNING	4
2503	CSBS	22CB803	ADVANCED SOCIAL TEXT AND MEDIA ANALYTICS	4
2504	CSBS	22CB804	BLOCK CHAIN TECHNOLOGY	4
2505	CSBS	22CB805	MOBILE COMPUTING	4
2508	CSBS	22CB808	MODERN WEB APPLICATIONS	4
2509	CSBS	22CY801	BIG DATA ANALYTICS	4
2510	CSBS	22CB809	USABILITY DESIGN OF SOFTWARE APPLICATIONS	4
2513	CSBS	22CB811	JAVA PROGRAMMING	4
2522	B.Sc-Ag (Hons)	22AB203	PYTHON PROGRAMMING	2

# **Skill Development Labs**



Sushikshanath Samridhithi



# Andhra Pradesh State Skill Development Corporation

TECHNICAL SKILL DEVELOPMENT INSTITUTE



**VIGNAN'S**

Foundation for Science, Technology & Research

(Deemed to be UNIVERSITY)

-Estd. u/s 3 of UGC Act 1956



The Govt. of AP has formed 7 different 'Missions' to achieve double digit growth for the state and to make AP among the most developed state in the country. Among these, the 'Knowledge and Skills Mission' has been formed to provide trained and skilled manpower to all other Missions.

### Aim

Andhra Pradesh State Skill Development Corporation aim is to train the students from different engineering streams to improve their skills and make them industry ready.

### Context

To target 20 million people in AP in next 15 years towards skilling and entrepreneurship to meet skilled human power demands of all Missions and shape AP as the skilled-workforce and knowledge hub for the world



### Vision

The Government of Andhra Pradesh has the vision (Svarna Andhra Vision 2029) to make Andhra Pradesh among the three best states in India by 2022 when India celebrates its 75th year of independence and to achieve the status of a developed state by 2029.

### Mission

Andhra Pradesh itself will have a requirement of approximately 10 million Skilled workers between 2012 till 2022, across the high-priority and emerging sectors.





Vignan's Foundation for Science, Technology and Research is among the select few identified by APSSDC in this region to impart training to the youth in 7 different technical areas. The training will be provided by M/S Siemens Corporation for 2 years and subsequently will hand over the responsibilities to the university after 6 month training by VFSTR University staff under their supervision.

Prof. Ghanta.Subba Rao, Special Secretary to A.P Government, Skill Development, Entrepreneurship and innovation Department; Ex.Officio Secretary to the Hon'ble Chief Minister of Andhra Pradesh; Director, Andhra Pradesh State Skill Development Corporation (APSSDC) has been inaugurated the APSSDC-TSDI labs and the soft launch has been done at VFSTR on 2nd February, 2017.

## Areas of Training & Laboratories

### Design / Computer Based Tutorials Laboratory

#### Description

Design/CBT lab is designed to teach the theory and tools of Computer Aided Design (CAD) and Computer Aided Manufacturing (CAM) with an emphasis on the central role of the geometric model in their seamless integration and a focus on the integration of these tools and the automation of the product development cycle.

#### Objectives

The main objective of this lab is to teach students with the basic and advanced commands and tools necessary for professional 3D part design, assembly and drafting using Siemens Solid Edge and Manufacturing NX software. After completing this course, a student will be able to:

- ✓ Present an overview of CAD and describe its applications in different fields
- ✓ Describe common terms associated with CAD hardware and software.
- ✓ Outline the basic principles associated with CAD and demonstrate common drafting techniques and shortcuts
- ✓ Introduce the advanced capabilities of CAD to increase productivity
- ✓ Provide information about the CAD industry resources
- ✓ Use effectively CAD / CAM systems in order to produce the final NC code for the manufacturing of various mechanical parts and carry out exchange of data between CAD and CAM systems.

#### Key areas covered

- ✓ Computer-aided design (CAD) (Design)
- ✓ Siemens PLM Software
- ✓ Computer-aided engineering (CAE) (Simulation)
- ✓ Computer-aided manufacturing (CAM) (Manufacturing)
- ✓ POD software for online demonstration of various labs through tutorials

#### Softwares used

Solid edge, NX CAM, Siemens PLM Software, POD Software  
Design/CBT lab syllabus includes 14 modules, which covers Design, CAE and CAM exercises



## Areas of

## Training & Laboratories



### CNC Machines Laboratory

(Vertical Milling m/c & Lathe)

#### Description

The Computer Numerical Control (CNC) Laboratory consists of LMW VJ 55 Vertical Machining Centre (VMC), SMARTURN and Siemens Simulation controllers tool for programming. The CNC laboratory aims to enhance the student's knowledge in development of practical knowledge on CNC machines and the lab covers the skills necessary for the development of a mechanical engineer pursuing further studies and a career in manufacturing area.

#### Objectives

The main objective of Manufacturing CNC lab is to teach students to understand the basic concepts of computer numerical control (CNC) machine tool, machining methods and CNC programming. The Lab has Production model Smart turn CNC lathe and JV55 vertical machining center CNC milling machines with CAM simulation software's like, SINUTRAIN with Siemens controllers ( 828D, 802D) for programming simulation, Unigraphics NX10 (CAM). After completing this course, a student will be able to:

- ✓ Present an overview of CNC and describe its applications in different fields
- ✓ Outline the basic principles associated with CNC and demonstrate common Machining techniques.
- ✓ Introduce the advanced capabilities of CNC to increase productivity.
- ✓ Use effectively CAD/CAM systems in order to produce the final NC code for the manufacturing of various mechanical parts and carry out exchange of data between CAD and CAM systems.

#### Key areas covered

- ✓ 1. Computer-aided manufacturing (CAM) (Manufacturing)
- ✓ 2. POD software for online demonstration of CNC lab through tutorials

#### Software is used

SINU TRAIN for Sinumeric operate, NX CAM, POD Software, SINUMERIC 8400SL, SINUMERIC 828D/828D Basic training simulation modules.

#### List of Machinery Available

- ✓ 1. Model Smart turn CNC lathe
- ✓ 2. JV55 vertical machining center
- ✓ 3. Siemens simulation controllers

#### SKILLS

- ✓ Turning operations on machine elements like keys, M-codes, G-codes etc.
- ✓ Milling operations on machine elements like Face milling, tapping and taper turning.
- ✓ Machine programming for performing various operations.

#### OUTCOMES Able to,

- ✓ Self programming for machine elements.
- ✓ Perform milling and turning operations of various jobs.



## Areas of

## Training & Laboratories



### Welding Laboratory

#### Description

The Welding course of study provides students with an opportunity to learn about the industry as it relates to welding. Students will master a variety of welding competencies. Program standards are aligned to the requirements of the American Welding Society (AWS) for a Level I entry-level welder. The Welding Laboratory provides students with an environment where they are able to develop beneficial skills and knowledge in advanced welding techniques and methods. The lab is equipped for most common welding and cutting processes including oxy-fuel welding, shielded metal arc welding, gas tungsten arc welding, gas metal arc welding, resistance spot welding, and oxygen cutting.

#### Objectives

The main objective of this lab is to teach students with the basic and advanced welding techniques and methods including safety precautions necessary while welding. The course is taught in line with the industrial needs. After completing this course, a student will be able to:

- ✓ Describe and demonstrate proper welding shop safety.
- ✓ Read and interpret symbols and plans utilized in the Welding industry.
- ✓ Demonstrate competency in shielded metal arc welding.
- ✓ Demonstrate competency in metal inert gas welding
- ✓ Demonstrate competency in flux cored arc welding
- ✓ Describe how the effects of heat, metal thickness and metal length influence welding/cutting techniques.
- ✓ Describe how the effects of heat, metal thickness and metal length influence cutting techniques.

#### Key areas covered

- ✓ Welding safety and precautions
- ✓ Introduction to welding tools and equipment
- ✓ ARC Welding-AC
- ✓ ARC Welding-DC
- ✓ TIG Welding
- ✓ MIG Welding
- ✓ Oxy Acetylene Gas Welding
- ✓ Oxy Acetylene Gas Cutting

#### List of equipment available

Auto K-400, Easyweld 400-T, RS 400, Migmatic 250, Transweld, Gas welding, Gas Cutting equipment, safety equipment and tools.

#### SKILLS

- ✓ Learning of basic welding mechanism.
- ✓ Gas cutting of work pieces.
- ✓ Finishing and Grinding of work pieces.
- ✓ Learning of TIG welding method.
- ✓ Learning of MIG welding method.
- ✓ Learning of ARC welding method.
- ✓ Learning of GAS welding method.

#### OUTCOMES Able to,

- ✓ Perform different welding operation like flat, horizontal, vertical and overhead.
- ✓ Perform gas cutting operation.
- ✓ Refrigeration & Air conditioning lab



## Areas of Training & Laboratories



### Refrigeration & Air Conditioning Laboratory

#### Description

Refrigeration Technicians, commonly known as Refrigeration Mechanics, repair, install and troubleshoot refrigerating systems. They can work on industrial or residential climate-control systems, such as HVAC units, ice machines, beverage equipment and refrigerated storage units.

#### Objectives

On completion of This course, the students are expected to gain knowledge about refrigeration and air conditioning system, analysis and design calculations.

#### The objectives of the course are to enable the student

- ✓ Familiarize the components of refrigeration systems.
- ✓ Understand the principles of refrigeration and air conditioning.
- ✓ To understand vapour compression and vapour absorption system operation.
- ✓ Analyze the refrigeration cycles & methods for improving performance.
- ✓ Design refrigeration & air conditioning systems using cooling load Calculations.
- ✓ Know the application of refrigeration and air conditioning.
- ✓ Energy Conservation and Management.

#### Key areas covered

- ✓ Various refrigeration cycles and its applications.
- ✓ Applications of various refrigeration and air conditioning machines

#### List of Equipment's Available

Scroll Chiller (Air-cooled) 10 TR, VRF IV Plus system 8 HP,  
Ducted split unit 5.5 TR - Indoor, Outdoor, Cassette unit 1.5 TR -  
(Indoor, Outdoor), High wall split (2 star) 1 tr - (Indoor, outdoor),  
Window unit (2 star) 1 tr - (Indoor, outdoor), Deep Freezer Hard Top 100  
Litres, Bottle Cooler Hard Top 300 Litres, Water cooler 20/20 Litres,  
Bottle Water Dispenser, Cold room 6000 BTU/ Hr - Assembled Unit.

#### SKILLS

- ✓ Vacuumization of Air-condition system.
- ✓ Refrigerant recharge operation.
- ✓ Brazing operation.
- ✓ Air filter cleaning and replacement.
- ✓ Repair of Compressor and Condenser.

#### OUTCOMES Able to,

- ✓ Install and maintenance of various A/C Systems.
- ✓ Install and maintenance of various Refrigeration Systems.



## Areas of Training & Laboratories



### Home Electrical Laboratory

#### Description

Electrical- Home lab is designed to teach the theory, tools of electrical house wiring, estimating and installing of electrical wiring in a safe manner as per the Indian electricity rules.

#### Objectives

The main objective of this lab is to teach students with the basic and advanced controlling devices, protective devices and tools necessary for wiring in respective of different applications. After completing this course, a student will be able to:

- ✓ Read blueprints or technical diagrams of electrical wiring.
- ✓ Select right and suitable components, devices for controlling and protecting the electrical items and peripherals.
- ✓ Install and maintain electrical wiring circuits in a safe manner.
- ✓ Inspect and make clearance for giving main supply by avoiding loose contacts in controllers, fuses and circuit breakers.
- ✓ Replace wiring, equipment and protective devices using hand tools and power tools.
- ✓ Learn and follow the Indian Electricity Rules during providing connection and in installation.

#### Key areas covered

- ✓ Read blueprints, designing basic and completed circuits.
- ✓ Selection and installation procedures of wiring as per the drawing.
- ✓ Study and application of suitable protective devices for circuit protection.
- ✓ Safety precautions for avoiding accidents.
- ✓ POD software for online demonstration of electrical application through tutorials.

#### Tools used

- ✓ Electrical Workbenches
- ✓ Panel Boards
- ✓ Distribution board
- ✓ Energy meter
- ✓ Modular circuit breakers (MCB)
- ✓ Switches
- ✓ Cutting pliers
- ✓ Stripping pliers
- ✓ Crimping pliers
- ✓ Tester
- ✓ Screwdriver
- ✓ Power drilling machine
- ✓ Hammer
- ✓ Wire strippers
- ✓ Screw guns
- ✓ Multi meter and
- ✓ Lug crimper.

#### OUTCOMES Able to,

- ✓ Complete Electrical wiring of 1 BHK and 2BHK flats.
- ✓ Electrical wiring of warehouse.
- ✓ Electrical wiring of Auditoriums.
- ✓ Repair and re-wiring of motors in domestic appliances.
- ✓ Repair and re-wiring of motors in Agriculture.



## Areas of Training & Laboratories



### Home Electronics Laboratory

#### Description

Electrician Home lab is designed to teach the theory and rewinding of electronic appliances using in house like mixer, washing machine etc.

#### Objectives

The main objective of this lab is to gain knowledge about trouble shooting of devices, protective devices and tools necessary for wiring in respective of different applications.

#### After completing this course, a student will be able to:

- ✓ Rewinding of motors in home appliances like mixer, washing machine etc.
- ✓ Circuit trace out, pin Check and IC replacement in LED TVs.
- ✓ Signal checking and alignment of Dish Antenna in DTH.

#### Key areas covered

- ✓ Read blueprints, designing basic and completed circuits.
- ✓ Selection and installation procedures of wiring as per the motor
- ✓ Study and application of suitable protective devices for circuit protection
- ✓ Safety precautions for avoiding accidents
- ✓ POD software for online demonstration of electronic application through tutorials

#### List of Equipment's Available

- ✓ LED TV and trainer kit
- ✓ Mixer and trainer kit of motor
- ✓ DTH and trainer kit of DTH
- ✓ OVEN and trainer kit of PCB.

#### SKILLS

- ✓ Rewinding of motors in home appliances like mixer, washing machine etc.
- ✓ Circuit trace out, pin Check and IC replacement in LED TVs.
- ✓ Signal checking and alignment of Dish Antenna in DTH.

#### OUTCOMES

 Able to,

- ✓ Repair and maintenance of LED TVs.
- ✓ Repair and maintenance of Mixer.
- ✓ Repair and maintenance of DTH.
- ✓ Repair and maintenance of OVEN.
- ✓ Repair and rewiring of motors in domestic appliances.



## Areas of

## Training & Laboratories



### Office & ICT Electronics Laboratory

#### Description

Office and ICT Electronics Lab is designed to teach the theory and trouble shooting of office equipment like Printer, Scanner, CPU, UPS etc.

#### Objectives

The main objective of this lab is to gain knowledge about trouble shooting of office equipment, protective devices and tools necessary for wiring in respective of different applications.

#### After completing this course, a student will be able to:

- ✓ Study and operation of CC cameras.
- ✓ Study and operation of Components in CPU and Laptop.
- ✓ Study and operation of Components in Printer.
- ✓ Study and operation of Components in Scanner.

#### Key areas covered

- ✓ Read blueprints, designing basic and completed circuits.
- ✓ Selection and installation procedures of equipment per the application.
- ✓ Study and application of suitable protective devices for circuit protection.
- ✓ Safety precautions for avoiding accidents.
- ✓ POD software for online demonstration of electronic application through tutorials.

#### List of Equipment's Available

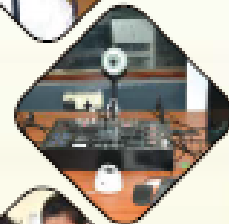
CC Camera and trainer kit, CPU and trainer kit, Printer and trainer kit of motherboard, Scanner and trainer kit of motherboard.

#### SKILLS

- ✓ Study and operation of CC cameras.
- ✓ Study and operation of Components in CPU and Laptop.
- ✓ Study and operation of Components in Printer.
- ✓ Study and operation of Components in Scanner.

#### OUTCOMES Able to,

- ✓ Install and repair of CC cameras.
- ✓ Install and repair of CPU and Laptop.
- ✓ Install and repair of Printer.
- ✓ Install and repair of Scanner.



## CM's Skill Excellence Center

#### Stakeholders & Benefits

- ✓ AP state government +VFSTRU+SIEMENS
- ✓ Rural youth training+ Training in employment oriented program
- ✓ Vignani's management's initiative in supporting this initiative by providing spacious and well furnished infrastructure

# **Skill Based Courses**





## VIGNAN'S FOUNDATION FOR SCIENCE, TECHNOLOGY AND RESEARCH

S. No	Programme	Name of the Course
1	B.Tech., Textile Technology	Characteristics of Textile Fibers
2	B.Tech., Textile Technology	Technology of Knits and Nonwovens
3	B.Tech., Textile Technology	Technology of preparatory and dyeing
4	B.Tech., Textile Technology	Testing of Fibers and Yarns
5	B.Tech., Textile Technology	Fabric Manufacturing
6	B.Tech., Textile Technology	Yarn manufacturing
7	B.Tech., Textile Technology	Textile Fibers
8	B.Tech., All Programs	Polity and Governance of India
9	B.Tech., All Programs	Modern India History and Indian Culture
10	B.Tech., All Programs	Economic and Social Development of India
11	B.Tech., Computer Science and Engineering	DATA STRUCTURES
12	B.Tech., CSE-Cyber Security	PROGRAMMING IN C
13	B.Tech., All Programs	Constitution of India
14	B.Sc. (Hons) Agriculture	Statistical Methods
15	B.Tech., All Programs	Life Skills-II
16	B.Tech., All Programs	Life Skills-I
17	B.Tech., All Programs	Physical fitness sports & games - II
18	B.Tech., All Programs	Physical fitness sports & games - I
19	B.Tech., Electrical and Electronics Engineering	Fundamentals of Renewable Energy Sources

20	B.Tech., Robotics and Automation	Product Life Cycle Management
21	B.Tech., Robotics and Automation	ROS Programming
22	B.Tech., Robotics and Automation	Robot Mechanisms
23	B.Tech., Robotics and Automation	IT Workshop and Robotics Engineering Products
24	MBA	Business Analytics Tools Lab
25	MBA	Business Communication-Lab
26	BBA	Analytical Skills for Managers
27	BBA	Essential Skills for Managers
28	B.Tech., Mechanical Engineering	Operations research for engineers
29	B.Tech., Mechanical Engineering	Fluid Mechanics and Hydraulic Machines
30	B.Tech., Mechanical Engineering	Manufacturing Sciences
31	B.Tech., Mechanical Engineering	Analysis of Mechanisms and Machines
32	B.Tech., Mechanical Engineering	Engineering Thermodynamics
33	B.Tech., Mechanical Engineering	Strength of Materials
34	B.Tech., Mechanical Engineering	IT Workshop and Mechanical Engineering Products
35	MCA	Soft skills laboratory
36	MCA	Socially relevant project using Design Thinking
37	MCA	Software Engineering and Testing
38	MCA	Technical English communication
39	MCA	Computer Organization and operating systems
40	MCA	Probability and Statistics
41	B.Tech. (Food Technology)	Fundamentals of Fluid Mechanics
42	B.Tech. (Food Technology)	Fruits and Vegetables Processing
43	B.Tech. (Food Technology)	Engineering Thermodynamics
44	B.Tech. (Food Technology)	Principles of Food Preservation and Processing
45	B.Tech. (Food Technology)	Food Microbiology
46	B.Tech. (Food Technology)	Food Chemistry
47	B.Tech. (Food Technology)	Food Biochemistry and Nutrition
48	B.Sc. (Hons) Agriculture	Comprehension and Communication Skills in English

49	B.Tech., All Programs	Technical English Communication
50	B.Tech., All Programs	English Proficiency and communication skills
51	B.Sc. (Hons) Agriculture	Soilless farming
52	B.Sc. (Hons) Agriculture	HI Tech. Horticulture
53	B.Sc. (Hons) Agriculture	Food Safety Issues
54	B.Sc. (Hons) Agriculture	Soil, Plant, Water And Seed Testing
55	B.Tech., Electrical and Electronics Engineering	Power Electronic Devices And Circuits
56	B.Tech., Electrical and Electronics Engineering	Induction and Synchronous Machines
57	B.Tech., Electrical and Electronics Engineering	Electric Motors for Robotics
58	B.Tech., Electrical and Electronics Engineering	Digital Electronic Circuits
59	B.Tech., Electrical and Electronics Engineering	Analog Electronics
60	B.Tech., Electrical and Electronics Engineering	DC Machines and Transformers
61	B.Tech., Electrical and Electronics Engineering	Power Transmission and Distribution
62	B.Tech., Electrical and Electronics Engineering	Principles of Electrical Engineering
63	B.Tech., Electrical and Electronics Engineering	Electrical Circuits and Networks
64	B.Tech., Electrical and Electronics Engineering	IT Workshop and Electrical Engineering Products
65	B.Tech., Electronics and Communication Engineering)	Control Systems
66	B.Tech., Electronics and Communication Engineering)	Signals and Systems
67	B.Tech., Electronics and Communication Engineering)	Electronics for Automation
68	B.Tech., Electronics and Communication Engineering)	Probability Theory and Stochastic Processes
69	B.Tech., Electronics and Communication Engineering)	Semiconductor Physics and Devices
70	B.Tech., Electronics and Communication Engineering)	Principles of Electronics Engineering
71	B.Tech., Electronics and Communication Engineering)	Network Theory
72	B.Tech., All Programs	Nanoscience and Technology
73	B.Tech., All Programs	Environmental Studies
74	B.Tech. (Chemical Engineering)	Organic Chemistry for Chemical Engineers
75	B.Tech., All Programs	Organic Chemistry
76	B.Tech., All Programs	Engineering Chemistry

77	B.Tech., All Programs	Environmental Science
78	B.Tech., All Programs	Applied Chemistry
79	B.Tech., Computer Science and Engineering	BIOMETRICS
80	B.Tech., Computer Science and Engineering	THEORY OF COMPUTATION
81	B.Tech., CSE-AIML	OPERATING SYSTEMS
82	B.Tech., Computer Science and Engineering	COMPUTER ORGANIZATION AND ARCHITECTURE
83	B.Tech., CSE-Cyber Security	COMPUTER NETWORKS
84	B.Tech., CSE-Cyber Security	DATABASE MANAGEMENT SYSTEMS
85	B.Tech., CSE-Data Science	PYTHON PROGRAMMING
86	B.Tech., CSE-AIML	IT WORKSHOP AND TOOLS
87	B.Tech., Computer Science and Business System	Fundamentals of Computer Science-I
88	B.Sc. (Hons) Agriculture	Eco - physiology
89	B.Sc. (Hons) Agriculture	Introductory Biology
90	B.Sc. (Hons) Agriculture	Education Tour
91	B.Sc. (Hons) Agriculture	NSS/NCC/Physical Education and Yoga Practices
92	B.Tech. (Chemical Engineering)	Process Heat Transfer
93	B.Tech. (Chemical Engineering)	Chemical Engineering Thermodynamics - II
94	B.Tech. (Chemical Engineering)	Momentum Transfer
95	B.Tech. (Chemical Engineering)	Chemical Process Calculations
96	B.Tech. (Chemical Engineering)	Chemical Engineering Thermodynamics - I
97	B.Tech. (Civil Engineering)	Advance Structural Analysis
98	B.Tech. (Civil Engineering)	Environmental Engineering
99	B.Tech., Biotechnology	Python Programming for Biological Sciences
100	B.Tech., Biotechnology	Heat and Mass Transfer
101	B.Tech., Biotechnology	Industrial Biotechnology
102	B.Tech., Biotechnology	Bioanalytical Techniques
103	B.Tech., Biotechnology	Chemical Engineering Principles in Biotechnology
104	B.Tech., Biotechnology	Good Laboratory Practices
105	B.Sc. (Computer Science, Maths and Statistics)	English Proficiency and Communication Skills

10 6	B.Sc. (Computer Science, Maths and Statistics)	Data Structures
10 7	B.Sc. (Computer Science, Maths and Statistics)	Mathematical Expectation and Probability Distributions
10 8	B.Sc. (Computer Science, Maths and Statistics)	Algebra
10 9	B.Sc. (Computer Science, Maths and Statistics)	IT Workshop
11 0	B.Sc. (Computer Science, Maths and Statistics)	Programming in C
11 1	B.Sc. (Computer Science, Maths and Statistics)	Discriptive Statistics and Probability Distributions
11 2	B.Sc. (Computer Science, Maths and Statistics)	Calculus
11 3	B.Sc. (Computer Science, Maths and Statistics)	Technical English Communication
11 4	B.Tech., Bio Medical Engineering	Biomedical Signals and Systems
11 5	B.Tech., Bio Medical Engineering	Analog and Digital ICs
11 6	B.Tech., Bio Medical Engineering	Electrical Circuit Theory
11 7	B.Tech., Bio Medical Engineering	Basic Clinical Sciences
11 8	B.Tech., Bio Medical Engineering	Analog Electronic Circuits
11 9	B.Tech., Bio Medical Engineering	Fundamentals of Anatomy and Physiology
12 0	B.Tech., Bio Medical Engineering	Clinical Biochemistry
12 1	B.Tech., Bioinformatics	Structural Bioinformatics and Instrumental Techniques
12 2	B.Tech., Bioinformatics	Biological Databases
12 3	B.Tech., Bioinformatics	Algorithms in Bioinformatics
12 4	B.Tech., Agriculture Engineering	Thermodynamics, Refrigeration and Air Conditioning
12 5	B.Tech., Agriculture Engineering	Electrical Machines and Power Utilization
12 6	B.Tech., Agriculture Engineering	Theory of Machines
12 7	B.Tech., Agriculture Engineering	Soil Mechanics
12 8	B.Tech., Agriculture Engineering	Heat and Mass Transfer

12 9	B.Tech., Agriculture Engineering	Principles of Horticultural Crops and Plant Protection
13 0	B.Tech., Agriculture Engineering	Strength of Materials
13 1	B.Tech., Agriculture Engineering	Applied Electronics and Instrumentation
13 2	B.Tech., Agriculture Engineering	Principles of Soil Science
13 3	B.Tech., Agriculture Engineering	Fluid Mechanics and Open Channel Hydraulics
13 4	B.Tech., Agriculture Engineering	Surveying and Levelling
13 5	B.Tech., Agriculture Engineering	Advanced Calculus and Partial Differential Equations
13 6	B.Tech., Agriculture Engineering	Workshop Technology and Practices
13 7	B.Tech., Agriculture Engineering	Environmental Science and Disaster Management
13 8	B.Tech., Agriculture Engineering	Principles of Agronomy
13 9	B.Tech., Agriculture Engineering	Chemistry for Agricultural Engineering
14 0	BCA	Soft skills laboratory
14 1	BCA	Fundamentals of Network Security
14 2	BCA	Environmental studies
14 3	BCA	Probability and Statistics
14 4	BCA	Mathematical Foundations for Computer Science
14 5	BCA	Technical English Communication
14 6	BCA	Digital Computer Fundamentals
14 7	BBA	Statistical Tools for Manager Using Excel (Lab)
14 8	BBA	IT Workshop and Accounting Practice
14 9	BBA	Business English Certification (Lab)
15 0	B.Tech., CSE-AIML	DESIGN AND ANALYSIS OF ALGORITHMS
15 1	B.Tech., CSE-Cyber Security	DIGITAL LOGIC AND COMPUTER ORGANIZATION

15 2	B.Sc. (Hons) Agriculture	Statistical Methods with Data Visualization
15 3	B.Sc. (Hons) Agriculture	Python Programming
15 4	MBA	MANAGEMENT THESIS
15 5	B.Tech., Computer Science and Business System	Operating Systems
15 6	B.Tech., Computer Science and Business System	Computer Organization and Architecture
15 7	B.Tech., Computer Science and Business System	Formal Languages & Automata Theory
15 8	BCA	STATISTICAL PROGRAMMING IN R
15 9	BCA	TECHNICAL SEMINAR-II
16 0	BCA	ENVIRONMENTAL STUDIES
16 1	BCA	HUMAN VALUES, PROFESSIONAL ETHICS & GENDER EQUITY
16 2	M.Tech., VLSI	ASIC DESIGN
16 3	M.Tech., VLSI	ADVANCED DIGITAL SYSTEM DESIGN
16 4	M.Tech., VLSI	MICROCHIP FABRICATION TECHNOLOGY
16 5	M.Tech., VLSI	VLSI TESTING AND VALIDATION
16 6	M.Tech., VLSI	MIXED SIGNAL DESIGN
16 7	M.Tech., VLSI	FPGA BASED SYSTEM DESIGN
16 8	M.Tech., VLSI	SEMICONDUCTOR DEVICE MODELING
16 9	M.Tech., VLSI	DIGITAL IC DESIGN
17 0	M.Tech., VLSI	ANALOG IC DESIGN
17 1	M.Tech., Structural Engineering	EARTHQUAKE RESISTANT DESIGN OF STRUCTURES
17 2	M.Tech., Structural Engineering	ADVANCED COMPOSITE STRUCTURES
17 3	M.Tech., Structural Engineering	FINITE ELEMENT ANALYSIS
17 4	M.Tech., Structural Engineering	ADVANCED REINFORCED CONCRETE DESIGN

17 5	M.Tech., Structural Engineering	NUMERICAL METHODS IN CIVIL ENGINEERING
17 6	M.Tech., Structural Engineering	STRUCTURAL DYNAMICS
17 7	M.Tech., Structural Engineering	THEORY OF ELASTICITY AND PLASTICITY
17 8	M.Tech., All Programs	RESEARCH METHODOLOGY & IPR
17 9	M.Tech., Power Electronic Drives	MODERN CONTROL THEORY
18 0	M.Tech., Power Electronic Drives	MODELING AND ANALYSIS OF ELECTRICAL MACHINES
18 1	M.Tech., Power Electronic Drives	EMERGING POWER ELECTRONIC DEVICES AND CONVERTERS
18 2	M.Tech., Machine Design	Design Synthesis
18 3	M.Tech., Machine Design	Nano Technology
18 4	M.Tech., Machine Design	Design of shape memory alloy actuators
18 5	M.Tech., Machine Design	Design for Reliability
18 6	M.Tech., Machine Design	Mechanical Vibrations
18 7	M.Tech., Machine Design	Theory of Elasticity and Plasticity
18 8	B.B.A., L.L.B	English-II (Legal Language & Literature)
18 9	B.B.A., L.L.B	Basic Computer & IT Skills
19 0	B.B.A., L.L.B	Psychology
19 1	B.B.A., L.L.B	English-I (Legal Language & Legal Writing)
19 2	B.A., L.L.B	Public Administration
19 3	B.A., L.L.B	English-II (Legal Language & Literature)
19 4	B.A., L.L.B	Basic Computer & IT Skills
19 5	B.A., L.L.B	Political Science-I
19 6	B.A., L.L.B	Psychology
19 7	B.A., L.L.B	English-I (Legal Language & Legal Writing)



19 8	B.Sc. (Computer Science, Maths and Statistics)	PROJECT
19 9	B.Sc. (Computer Science, Maths and Statistics)	ARTIFICIAL INTELLIGENCE
20 0	B.Sc. (Computer Science, Maths and Statistics)	GAME THEORY & NETWORK ANALYSIS
20 1	B.Sc. (Computer Science, Maths and Statistics)	STATISTICAL QUALITY & RELIABILITY
20 2	B.Sc. (Computer Science, Maths and Statistics)	COMPLEX VARIABLES
20 3	B.Sc. (Computer Science, Maths and Statistics)	ANALYTICAL SKILLS-II
20 4	B.Sc. (Computer Science, Maths and Statistics)	DATABASE MANAGEMENT SYSTEMS
20 5	B.Sc. (Computer Science, Maths and Statistics)	LINEAR PROGRAMMING PROBLEM & APPLICATIONS
20 6	B.Sc. (Computer Science, Maths and Statistics)	SAMPLING TECHNIQUES & DESIGN OF EXPERIMENTS
20 7	B.Sc. (Computer Science, Maths and Statistics)	LINEAR ALGEBRA
20 8	B.Sc. (Computer Science, Maths and Statistics)	Sports and Physical Fitness/NCC/NSS
20 9	B.Sc. (Computer Science, Maths and Statistics)	Web Technology Lab
21 0	B.Sc. (Computer Science, Maths and Statistics)	Statistical Inference Lab
21 1	B.Sc. (Computer Science, Maths and Statistics)	Analytical Skills - I
21 2	B.Sc. (Computer Science, Maths and Statistics)	General Studies – III
21 3	B.Sc. (Computer Science, Maths and Statistics)	Web Technology
21 4	B.Sc. (Computer Science, Maths and Statistics)	Statistical Inference
21 5	B.Sc. (Computer Science, Maths and Statistics)	Real Analysis
21 6	B.Sc. (Computer Science, Maths and Statistics)	Business English Communication – II (BEC –II)
21 7	B.Sc. (Computer Science, Maths and Statistics)	Sports and Physical Fitness/NCC/NSS
21 8	B.Sc. (Computer Science, Maths and Statistics)	Object Oriented Programming using Java Lab
21 9	B.Sc. (Computer Science, Maths and Statistics)	Statistical Methods Lab
22 0	B.Sc. (Computer Science, Maths and Statistics)	General Studies – II

22 1	B.Sc. (Computer Science, Maths and Statistics)	Object Oriented Programming using Java
22 2	B.Sc. (Computer Science, Maths and Statistics)	Statistical Methods
22 3	B.Sc. (Computer Science, Maths and Statistics)	Differential Equations
22 4	B.Sc. (Computer Science, Maths and Statistics)	Business English Communication – I (BEC – I)
22 5	B.Sc. (Computer Science, Maths and Statistics)	Human Values and Professional Ethics
22 6	M.Tech., Food Processing Technology	FERMENTED & NON-FERMENTED BEVERAGES
22 7	M.Tech., Food Processing Technology	NOVEL SEPARATION TECHNIQUES
22 8	M.Tech., Food Processing Technology	ANIMAL PRODUCTS PROCESSING
22 9	M.Tech., Food Processing Technology	ADVANCES IN FOOD PACKAGING
23 0	M.Tech., Food Processing Technology	ADVANCES IN FOOD ENGINEERING
23 1	M.Tech., Food Processing Technology	FOOD CHEMISTRY & NUTRITION
23 2	M.Tech., Food Processing Technology	FOOD MICROBIOLOGY
23 3	M.Tech., Farm Machinery	COMPUTER AIDED DESIGN & MANUFACTURING
23 4	M.Tech., Farm Machinery	ADVANCES IN FARM MACHINERY & POWER ENGINEERING
23 5	M.Tech., Farm Machinery	ADVANCED IN MECHANICS OF TILLAGE & TRACTION VIBRATIONS
23 6	M.Tech., Farm Machinery	TRACTOR CONTROL SYSTEMS & DESIGN
23 7	M.Tech., Farm Machinery	MACHINERY SYSTEMS FOR PRECISION AGRICULTURE
23 8	M.Tech., Farm Machinery	ENERGY CONSERVATION AND MANAGEMENT IN FARM MACHINERY & POWER ENGINEERING
23 9	M.Tech., Farm Machinery	TESTING OF TRACTORS & AGRICULTURAL MACHINERY
24 0	M.Tech., Embedded System	WIRELESS COMMUNICATION & NETWORKS
24 1	M.Tech., Embedded System	REAL TIME SYSTEMS
24 2	M.A., English	Project / Internship

24 3	M.A., English	Course in English Proficiency: Cambridge English Advanced Certification (CAE) (Lab)
24 4	M.A., English	New Literatures in English
24 5	M.A., English	Introduction to Creative Writing
24 6	M.A., English	Post-Colonial Studies & Indian Writing in English
24 7	M.A., English	Cultural Studies
24 8	M.A., English	Curriculum and Materials Development
24 9	M.A., English	Advanced Listening and Speaking Skills lab
25 0	M.A., English	Writing Skills Lab
25 1	M.Sc.	Heterocycles and Natural Products
25 2	M.Sc.	Industrial Training
25 3	M.Sc.	Computers in Chemistry
25 4	M.Sc.	Mathematics and Symmetry for Chemistry
25 5	M.Tech., Computer Science and Engineering	DATA STRUCTURES & ALGORITHMS
25 6	M.Tech., Computer Science and Engineering	BIOMETRICS
25 7	M.Tech., Computer Science and Engineering	ARTIFICIAL INTELLIGENCE
25 8	B.Tech., Computer Science and Engineering	FUNDAMENTALS OF IMAGE PROCESSING
25 9	B.Tech., Computer Science and Engineering	CRYPTOGRAPHY AND NETWORK SECURITY
26 0	M.Tech., Biotechnology	Cancer Biology and Therapy
26 1	M.Tech., Biotechnology	Biomedical And Health Informatics
26 2	M.Tech., Biotechnology	Computational System Biology
26 3	M.Tech., Biotechnology	Biosensors
26 4	M.Tech., Biotechnology	Industrial Biotechnology And Metabolic Engineering
26 5	M.Tech., Biotechnology	Environmental Biotechnology

26 6	M.Tech., Biotechnology	Advanced Bioprocess Engineering
26 7	M.Tech., Biotechnology	Bioinformatics and Molecular Modelling
26 8	M.Tech., Biotechnology	Rdna Technology
26 9	M.Tech., Biotechnology	Animal Biotechnology
27 0	M.Tech., Biotechnology	Plant Biotechnology
27 1	M.Tech., Biotechnology	Immunotechnology And Informatics
27 2	M.Tech., Biotechnology	Cheminformatics and Pharmacogenomica
27 3	M.Tech., Biotechnology	Minor Project
27 4	M.Tech., Biotechnology	Natural Product Technology
27 5	M.Tech., Biotechnology	Molecular Genetics
27 6	M.Tech., Biotechnology	Upstream and Downstream Processing
27 7	BBA	SPSS- II (Lab)
27 8	BBA	Management Thesis (Lab)
27 9	BBA	Essential Skills for Managers-II (Lab)
28 0	BBA	Taxation (Lab)
28 1	BBA	SIP Review (Lab)
28 2	BBA	Analytical Skill for Managers-II (Lab)
28 3	BBA	SPSS- II (Lab)
28 4	BBA	Essential Skills for Managers-1 (Lab)
28 5	BBA	Analytical Skill for Managers-1 (Lab)
28 6	M.Tech., All Programs	AUDIT COURSE-II
28 7	B.Tech., Textile Technology	PROCESS CONTROL & QUALITY MANAGEMENT IN TEXTILES
28 8	B.Tech., Textile Technology	TEXTILE PRODUCT DESIGN & DEVELOPMENT

28 9	B.Tech., Textile Technology	CLOTHING COMFORT
29 0	B.Tech., Textile Technology	TEXTILES MECHANICS & CALCULATIONS
29 1	B.Tech., Textile Technology	INDUSTRIAL ENGINEERING FOR TEXTILES & APPARELS
29 2	B.Tech., Textile Technology	Fashion Marketing and Visual Merchandising
29 3	B.Tech., Textile Technology	Eco-Friendly Wet Processing
29 4	B.Tech., Textile Technology	Advancement in Knitting Technology
29 5	B.Tech., Textile Technology	Advanced Fabric Formation
29 6	B.Tech., Textile Technology	Technology of Yarn Formation
29 7	B.Tech., Textile Technology	Costing of Fashion and Apparel Production
29 8	B.Tech., Textile Technology	Technology of Dyeing and Printing
29 9	B.Tech., Textile Technology	Knitting Technology
30 0	B.Tech., Textile Technology	Technology of Fabric Forming
30 1	B.Tech., Textile Technology	Drawing,Comber and Simplex
30 2	B.Tech., Textile Technology	Fundamentals of Textiles 4.0
30 3	B.Tech., Textile Technology	Structural Mechanics of Fiber,Yarn and Fabric
30 4	B.Tech., Textile Technology	Apparel Merchandising
30 5	B.Tech., Textile Technology	Fabric Structure and Design
30 6	B.Tech., Mechanical Engineering	NANO TECHNOLOGY
30 7	B.Tech., Mechanical Engineering	REFRIGERATION & AIR-CONDITIONING
30 8	B.Tech., Mechanical Engineering	COMPOSITE MATERIALS TECHNOLOGY
30 9	B.Tech., Mechanical Engineering	Jet and Rocket Propulsions
31 0	B.Tech., Mechanical Engineering	Tribology in Design
31 1	B.Tech., Mechanical Engineering	Industrial Engineering and Estimating and Costing

31 2	B.Tech., Mechanical Engineering	Ceramics and Polymers
31 3	B.Tech., Mechanical Engineering	Internal Combustion Engines
31 4	B.Tech., Mechanical Engineering	Heat and Mass Transfer
31 5	B.Tech., Mechanical Engineering	Applied Thermodynamics
31 6	B.Tech. (Information Technology)	R PROGRAMMING
31 7	B.Tech. (Information Technology)	Data Communication and Networking
31 8	B.Tech. (Food Technology)	POST-HARVEST MANAGEMENT OF FRUITS & VEGETABLES
31 9	B.Tech. (Food Technology)	Extrusion Technology
32 0	B.Tech. (Food Technology)	Strategy and Marketing of Food Products
32 1	B.Tech. (Food Technology)	Food Toxicology Agrochemical Residues in Food
32 2	B.Tech. (Food Technology)	Grain Storage Technology
32 3	B.Tech. (Food Technology)	Nutraceutical and Functional Food
32 4	B.Tech. (Food Technology)	Instrumentation and process control
32 5	B.Tech. (Food Technology)	Instrumental Methods of Food Analysis
32 6	B.Tech. (Food Technology)	Engineering Properties of Food Materials
32 7	B.Tech. (Food Technology)	Refrigeration Engineering and Cold Chain
32 8	B.Tech. (Food Technology)	Food Additives
32 9	B.Tech. (Food Technology)	Bakery and Confectionery Technology
33 0	B.Tech. (Food Technology)	Spices and Plantation Crops Process Technology
33 1	B.Tech. (Food Technology)	Dairy Technology
33 2	B.Tech., Electrical and Electronics Engineering	REINFORCEMENT LEARNING
33 3	B.Tech., Electrical and Electronics Engineering	Deep Learning
33 4	B.Tech., Electrical and Electronics Engineering	ANALYSIS & OPERATION OF POWER SYSTEMS

33 5	B.Tech., Electrical and Electronics Engineering	Energy Audit, Conservation and Management
33 6	B.Tech., Electrical and Electronics Engineering	Switch Mode Power Conversion
33 7	B.Tech., Electrical and Electronics Engineering	Advanced Power Electronics
33 8	B.Tech., Electrical and Electronics Engineering	Computer Controlled Systems
33 9	B.Tech., Electrical and Electronics Engineering	Smart Grid Technologies
34 0	B.Tech., Electrical and Electronics Engineering	Industrial Automation & Robotics
34 1	B.Tech., Electrical and Electronics Engineering	High Voltage Engineering
34 2	B.Tech., Electrical and Electronics Engineering	Energy System Economics
34 3	B.Tech., Electrical and Electronics Engineering	Energy Storage Technologies
34 4	B.Tech., Electrical and Electronics Engineering	DIGITAL SIGNAL PROCESSING
34 5	B.Tech., Electrical and Electronics Engineering	Electrical Machines-II
34 6	B.Tech., Electrical and Electronics Engineering	Power System Protection
34 7	B.Tech., Electrical and Electronics Engineering	Power Electronics
34 8	B.Tech., Electronics and Communication Engineering)	Information Theory and Coding
34 9	B.Tech., Electronics and Communication Engineering)	Computer Architecture and Organization
35 0	B.Tech., Electronics and Communication Engineering)	Electromagnetic Waves and Transmission Lines
35 1	B.Tech., CSE-Cyber Security	WIRELESS NETWORKS
35 2	B.Tech., Computer Science and Engineering	MOBILE AD-HOC NETWORKS
35 3	B.Tech., CSE-Cyber Security	INTERNET OF THINGS
35 4	B.Tech., Computer Science and Engineering	R PROGRAMMING
35 5	B.Tech., Computer Science and Engineering	FUNDEMENTALS OF IMAGE PROCESSING
35 6	B.Tech., Computer Science and Engineering	MOBILE COMPUTING
35 7	B.Tech., Computer Science and Engineering	CRYPTOGRAPHY AND NETWORK SECURITY

35 8	B.Tech., Computer Science and Engineering	COMPUTER NETWORKS
35 9	B.Tech., Computer Science and Engineering	COMPILER DESIGN
36 0	B.Tech., Computer Science and Engineering	DATA MINING TECHNIQUES
36 1	B.Tech. (Chemical Engineering)	INTRODUCTION TO MATLAB PROGRAMMING
36 2	B.Tech. (Chemical Engineering)	Computational Fluid Dynamics
36 3	B.Tech. (Chemical Engineering)	Non Conventional Energy Sources
36 4	B.Tech. (Chemical Engineering)	Energy Conservation and Waste Heat Recovery
36 5	B.Tech. (Chemical Engineering)	Transport Phenomena
36 6	B.Tech. (Chemical Engineering)	Bioprocess Engineering
36 7	B.Tech. (Chemical Engineering)	Colloidal and Interfacial Science
36 8	B.Tech. (Chemical Engineering)	Petroleum Refinery Engineering
36 9	B.Tech. (Chemical Engineering)	Process Modelling and Simulation
37 0	B.Tech. (Chemical Engineering)	Safety in Chemical Industries-I
37 1	B.Tech. (Chemical Engineering)	Chemical Engineering Process Design and Economics
37 2	B.Tech. (Chemical Engineering)	Instrumentation and Process Control
37 3	B.Tech. (Chemical Engineering)	Chemical Reaction Engineering-II
37 4	B.Tech. (Civil Engineering)	URBAN HYDROLOGY
37 5	B.Tech. (Civil Engineering)	PRE-STRESSED CONCRETE
37 6	B.Tech. (Civil Engineering)	DESIGN & ANALYSIS OF ALGORITHMS FOR CIVIL ENGINEERING
37 7	B.Tech. (Civil Engineering)	ENGINEERING ECONOMICS, ESTIMATION & COSTING
37 8	B.Tech. (Civil Engineering)	CONSTRUCTION PLANNING & MANAGEMENT
37 9	B.Tech. (Civil Engineering)	DISASTER MANAGEMENT
38 0	B.Tech. (Civil Engineering)	Ground Improvement Techniques



38 1	B.Tech. (Civil Engineering)	Ecological Engineering
38 2	B.Tech. (Civil Engineering)	Advanced Hydraulics
38 3	B.Tech. (Civil Engineering)	Design of Steel Structures
38 4	B.Tech. (Civil Engineering)	Transportation Engineering
38 5	B.Tech. (Civil Engineering)	Structural Analysis-II
38 6	B.Tech. (Civil Engineering)	Design of Structures
38 7	B.Tech. (Civil Engineering)	Design of Reinforced Concrete Structures
38 8	B.Tech. (Civil Engineering)	Water Resources Engineering
38 9	B.Tech., Computer Science and Business System	COMPUTER NETWORKS
39 0	B.Tech., Computer Science and Business System	COMPILER DESIGN
39 1	B.Tech., Biotechnology	ALGORITHMS IN BIOINFORMATICS
39 2	B.Tech., Biotechnology	DNA BARCODING FOR CONSERVATION STRATEGY
39 3	B.Tech., Biotechnology	MEDICINAL PLANTS & ETHNOBOTANY
39 4	B.Tech., Biotechnology	PHASE DISPLAY
39 5	B.Tech., Biotechnology	IMMUNOLOGY & IMMUNOINFORMATICS
39 6	B.Tech., Biotechnology	GENOMICS, PROTEOMICS & METABOLOMICS
39 7	B.Tech., Biotechnology	BIOINFORMATICS
39 8	B.Tech., Biotechnology	PHYTOPHARMA
39 9	B.Tech., Biotechnology	BIODIVERSITY & ECOLOGY
40 0	B.Tech., Biotechnology	IMMUNOTECHNOLOGY
40 1	B.Tech., Biotechnology	DATA SCIENCE
40 2	B.Tech., Biotechnology	DOWNSTREAM PROCESSING
40 3	B.Tech., Biotechnology	Genetic Engineering

40 4	B.Tech., Biotechnology	Biochemical Reaction Engineering
40 5	B.Tech., Biotechnology	Enzyme Technology
40 6	B.Tech., Biotechnology	Heat and Mass Transfer for Biotechnologists
40 7	B.Tech., Bio Medical Engineering	MEDICAL IMAGE PROCESSING
40 8	B.Tech., Bio Medical Engineering	Biomedical Signal Processing
40 9	B.Tech., Bio Medical Engineering	Biosensors and Transducers
41 0	B.Tech., Bioinformatics	SYSTEMS BIOLOGY
41 1	B.Tech., Bioinformatics	STRUCTURAL BIOINFORMATICS
41 2	B.Tech., Bioinformatics	METABOLIC PATHWAYS
41 3	B.Tech., Bioinformatics	METABOLOMICS
41 4	B.Tech., Bioinformatics	Computational Biology
41 5	B.Tech., Agriculture Engineering	Tractor and Farm Machinery Operation and Maintenance
41 6	B.Tech., Agriculture Engineering	Water Harvesting and Soil Conservation Structures
41 7	B.Tech., Agriculture Engineering	Farm Machinery and Equipment - II
41 8	B.Tech., Agriculture Engineering	Skill Development Training - I
41 9	B.Tech., Agriculture Engineering	Renewable Power Systems
42 0	B.Tech., Agriculture Engineering	Sprinkler and Micro Irrigation Systems
42 1	B.Tech., Agriculture Engineering	Farm Machinery and Equipment
42 2	B.Tech., Agriculture Engineering	Tractor Systems and Controls
42 3	B.Pharmacy	Project Work
42 4	B.Pharmacy	Dietary Supplements and Nutraceuticals
42 5	B.Pharmacy	Advanced Instrumentation Techniques
42 6	B.Pharmacy	Experimental Pharmacology

42 7	B.Pharmacy	Cosmetic Science
42 8	B.Pharmacy	Cell and Molecular Biology
42 9	B.Pharmacy	Computer Aided Drug Design
43 0	B.Pharmacy	Quality Control and Standardization of Herbals
43 1	B.Pharmacy	Pharmacovigilance
43 2	B.Pharmacy	Pharmaceutical Regulatory Science
43 3	B.Pharmacy	Pharma Marketing Management
43 4	B.Pharmacy	Social and Preventive Pharmacy
43 5	B.Pharmacy	Biostatistics and Research Methodology
43 6	B.Pharmacy	Practice school
43 7	B.Pharmacy	Instrumental Methods of Analysis - Practical
43 8	B.Pharmacy	Novel Drug Delivery System - Theory
43 9	B.Pharmacy	Industrial Pharmacy II -Theory
44 0	B.Pharmacy	Instrumental Methods of Analysis - Theory
44 1	B.Pharmacy	Herbal Drug Technology – Practical
44 2	B.Pharmacy	Pharmacology III – Practical
44 3	B.Pharmacy	Medicinal chemistry III – Practical
44 4	B.Pharmacy	Quality Assurance –Theory
44 5	B.Pharmacy	Pharmaceutical Biotechnology – Theory
44 6	B.Pharmacy	Biopharmaceutics and Pharmacokinetics –Theory
44 7	B.Pharmacy	Pharmacology III – Theory
44 8	B.Pharmacy	Medicinal Chemistry III – Theory
44 9	B.Pharmacy	Pharmacognosy and Phytochemistry II –Practical

45 0	B.Pharmacy	Pharmacology II – Practical
45 1	B.Pharmacy	Industrial PharmacyI – Practical
45 2	B.Pharmacy	Pharmacognosy and Phytochemistry II– Theory
45 3	B.Pharmacy	Pharmacology II – Theory
45 4	B.Pharmacy	Industrial PharmacyI– Theory
45 5	B.Pharmacy	Medicinal Chemistry II – Theory
45 6	B.Pharmacy	Pharmacognosy and Phytochemistry I – Practical
45 7	B.Pharmacy	Pharmacology I – Practical
45 8	B.Pharmacy	Physical Pharmaceutics II – Practical
45 9	B.Pharmacy	Medicinal Chemistry I – Practical
46 0	B.Pharmacy	Pharmacognosy and Phytochemistry I– Theory
46 1	B.Pharmacy	Pharmacology I – Theory
46 2	B.Pharmacy	Physical Pharmaceutics II – Theory
46 3	B.Pharmacy	Pharmaceutical Organic Chemistry III– Theory
46 4	B.Pharmacy	Pharmaceutical Engineering –Practical
46 5	B.Pharmacy	Physical Pharmaceutics I – Practical
46 6	B.Pharmacy	Pharmaceutical Organic Chemistry II – Practical
46 7	B.Pharmacy	Pharmaceutical Microbiology – Theory
46 8	B.Pharmacy	Physical Pharmaceutics I – Theory
46 9	B.Pharmacy	Pharmaceutical Organic Chemistry II – Theory
47 0	B.Pharmacy	Biochemistry – Practical
47 1	B.Pharmacy	Pharmaceutical Organic Chemistry I– Practical
47 2	B.Pharmacy	Human Anatomy and Physiology II –Practical

47 3	B.Pharmacy	Environmental sciences – Theory
47 4	B.Pharmacy	Pathophysiology – Theory
47 5	B.Pharmacy	Biochemistry – Theory
47 6	B.Pharmacy	Pharmaceutical Organic Chemistry I – Theory
47 7	B.Pharmacy	Human Anatomy and Physiology II – Theory
47 8	B.Pharmacy	Remedial Biology – Practical
47 9	B.Pharmacy	Communication skills – Practical
48 0	B.Pharmacy	Remedial Mathematics – Theory
48 1	B.Pharmacy	Remedial Biology – Theory
48 2	B.Pharmacy	Communication skills – Theory
48 3	B.Pharmacy	Pharmaceutical Inorganic Chemistry –Theory
48 4	B.Pharmacy	Pharmaceutics I – Theory
48 5	B.Pharmacy	Pharmaceutical Analysis I – Theory
48 6	B.Pharmacy	Human Anatomy and Physiology I–Theory
48 7	BCA	Statistical Programming in R
48 8	BCA	Information Security