

## 2022-23

S.No.	Course code	Course title	Local need	Regional need	National Need	Global Need
1	BCO-101	Financial Accounting I BCO-101	✓	✓	✓	✓
2	BCO-102	Business Organization & Management BCO-102	✓	✓	✓	✓
3	BCO-103	Foreign Trade BCO-103	✓	✓	✓	✓
4	BCOB-103	Data Driven Decision marketing BCOB-103	✓	✓	✓	✓
5	BCOT-103	Banking for BPS	✓	✓	✓	✓
6	BCOP-104	Introduction to Cost & Management Accounting BCOB-104	✓	✓	✓	✓
7	BCO201	Financial Accounting -II	✓	✓	✓	✓
8	BCO202	Business Laws	-	-	-	-
9	BCO203	Banking and Financial Services	✓	✓	✓	✓
10	BCOI203	Export Marketing	✓	✓	✓	✓
11	BCOC203	Programming with C & C++	✓	✓	✓	✓
12	BCOB203	Data Analytics Essentials	-	-	-	-
13	BCOM203	Banking for BPS	✓	✓	✓	✓
14	BCOP204	Financial Planning and Performance	✓	✓	✓	✓
15	BCO 301	Advanced Accounting	✓	✓	✓	✓
16	BCO302	Business Statistics – I	✓	✓	✓	✓
17	BCOA303	Financial Institutions and Markets	✓	✓	✓	✓
18	SEC302	Principles of Insurance –I	✓	✓	✓	✓
19	BCOI303	International Business procedures & Documentation	✓	✓	✓	✓
20	BCOC303	Relational Database Management System	✓	✓	✓	✓
21	BCOP303	International Financial Reporting	✓	✓	✓	✓
22	BCOP304	Financial Analytics and control	✓	✓	✓	✓
23	BCOB303	Data Analytics Modeling	✓	✓	✓	✓
24	BCOT303	Retail and Market Research	-	-	-	-
25	SECM302	Insurance for BPS -I	✓	✓	✓	✓
26	BCO401	Income Tax	✓	✓	✓	✓
27	BCO402	Business Statistics - II	✓	✓	✓	✓
28	BCO403	Corporate Accounting	✓	✓	✓	✓
29	BCO/SEC/404	Practice of Life and General Insurance	✓	✓	✓	✓
30	BCOC403	E Commerce	✓	✓	✓	✓
31	BCOP404	Strategic Financial Management	-	-	-	-
32	BCOB403	Forecasting & Predictive Analytics	✓	✓	✓	✓
33	BCOT403	Capital Markets for BPS	✓	✓	✓	✓
34	BCO/SECM404	Insurance for BPS - II	✓	✓	✓	✓
35	BCO 501	Cost Accounting	✓	✓	✓	✓
36	BCO 502	Business Law	-	-	-	-
37	BCO 503	Auditing	✓	✓	✓	✓
38	BCO 504	Theory and Practice of GST	✓	✓	✓	✓
39	BCOA 505	Advanced Corporate Accounting	✓	✓	✓	✓
40	BCOA 506	Investment Instruments	✓	✓	✓	✓
41	BCOC 505	Object Oriented Programming With C++	✓	✓	✓	✓
42	BCOC 506	e-Commerce & Digital Marketing	✓	✓	✓	✓
43	BCOI 505	International Business Procedures & Documentation	-	-	-	-
44	BCOI506	Logistics Management	✓	✓	✓	✓
45	BCOP/IAF501	International Finance	✓	✓	✓	✓
46	BCOP505	Marketing Management	✓	✓	✓	✓
47	BCOB505	Data Analytics Modeling	✓	✓	✓	✓

48	BCOB506	Forecasting and Predictive Analytics	✓	✓	✓	✓
49	BCO/IAF502	Corporate Governance & Business Ethics (SBL- Part II)	✓	✓	✓	✓
50	BCO/IAF503	Corporate Reporting II(SBR)	✓	✓	✓	✓
51	BCO/IAF504	Advanced Audit & Assurance	✓	✓	✓	✓
52	BCO/IAF505	Advanced Performance Management I (APM)	-	-	-	-
53	BCO601	Cost Control and Management Accounting	✓	✓	✓	✓
54	BCO602	Company Law	✓	✓	✓	✓
55	BCO603	Indian Accounting Standards	✓	✓	✓	✓
56	BCO604	Computerized Accounting (Computer Lab Practical-Tally)	✓	✓	✓	✓
57	BCOA605	Financial Management	✓	✓	✓	✓
58	BCOAP606	Investment Management	-	-	-	-
59	BCOIP605	Research Methodology & Project work	✓	✓	✓	✓
60	BCOI606	Cross-Cultural Consumer and Industrial Buyer Behavior	✓	✓	✓	✓
61	BCOC605	Web Technologies (Computer Lab Practical)	✓	✓	✓	✓
62	BCOC606A	a) Cyber security	✓	✓	✓	✓
63	BCOC606B	b) Multimedia Systems	✓	✓	✓	✓
64	BCOP601	SAPM	✓	✓	✓	✓
65	BCOP607	Project and Relationship Management	✓	✓	✓	✓
66	BCOB605	Business Applications of Emerging Technologies	✓	✓	✓	✓
67	BCOB606	Advanced Data Visualisation	✓	✓	✓	✓
68	BCO/IFA/602	Business Communication and Report writing	✓	✓	✓	✓
69	BCO/IFA/605	Advanced Performance Management II	✓	✓	✓	✓
70	BCO/IFA/606	Advanced Financial Management II	✓	✓	✓	✓
71	BBA101	Principles of Management	✓	✓	✓	✓
72	BBA102	Basics of Marketing	✓	✓	✓	✓
73	BBA103	Business Economics	✓	✓	-	-
74	BBA 201	Organizational Behaviour	✓	✓	✓	✓
75	BBA 202	Information Technology for business (Theory)	✓	✓	-	-
76	BBA 203	Financial Accounting	✓	✓	✓	✓
77	BBA213	Information Technology for business (Practical)	✓	✓	-	-
78	BBA 301	Human Resources Management	✓	✓	✓	✓
79	BBA 302	Business Statistics	✓	✓	-	-
80	BBA 303	Financial Management	✓	✓	✓	-
81	SEC302	DSEC: Business Exposure & Women Entrepreneurship	✓	✓	✓	✓
82	BBA 401	Business Law and Ethics	✓	✓	-	-
83	BBA 402	Entrepreneurship Development and SME	✓	✓	✓	-
84	BBA 403	Market Research	✓	✓	-	-
85	SEC 404	DSEC: Basic Financial Intelligence	✓	✓	✓	✓
86	BBA501 A	Elective-I: A) Leadership & Change Management	✓	✓	✓	✓
87	BBA501 B	B) Financial Markets and Services	✓	✓	✓	✓
88	BBA501 C	C) Brand Management	✓	✓	-	-
89	BBA501 D	D) Spreadsheet Modelling for Managers	✓	✓	✓	✓
90	BBA502 A	Elective-II: A) Performance Appraisal and Counselling	✓	✓	✓	✓
91	BBA502 B	B) Analysis of Investment in Financial Assets	✓	✓	✓	✓
92	BBA502 C	C) Retail Marketing	✓	✓	-	-
93	BBA502 D	D) Data Visualisation with Tableau	✓	✓	✓	✓
94	BBA503 A	Elective-III: A) Compensation Management	✓	✓	✓	✓
95	BBA503 B	B) Insurance Services	✓	✓	✓	✓

96	BBA503 C	C) Consumer Behaviour	✓	✓	✓	✓
97	BBA503 D	D) Business Statistics with R Programming	✓	✓	✓	✓
98	BBA504	Internship Report (including Viva-Voce)	✓	-	-	-
99	BBA601 A	Elective-IV: A) Organisation Development	✓	✓	✓	✓
100	BBA601 B	B) Banking	✓	✓	✓	✓
101	BBA601 C	C) Advertising & Sales Promotion	✓	✓	✓	✓
102	BBA601 D	D) Database Management with SQL	✓	✓	✓	✓
103	BBA602 A	Elective-V: A) Talent and Knowledge Management	✓	✓	✓	✓
104	BBA602 B	B) Risk Analysis and Management	✓	✓	✓	✓
105	BBA602 C	C) Service Marketing	✓	✓	✓	✓
106	BBA602 D	D) Artificial intelligence and Machine learning with R	✓	✓	✓	✓
107	BBA603 A	Elective-VI: A) Employees Relations	✓	✓	✓	✓
108	BBA603 B	B) International Finance	✓	✓	✓	✓
109	BBA603 C	C) Customer Relationship Management	✓	✓	✓	✓
110	BBA603 D	D) Data Visualisation through Power BI	✓	✓	✓	✓
111	BBA604	Project Work (including Viva-Voce)	✓	-	-	-
112	BCH101	Chemistry of Biomolecules	✓	✓	✓	-
113	BCH111	Qualitative Analysis of Biomolecules	✓	✓	✓	-
114	BCH202	Chemistry of Nucleic Acids and Biochemical Techniques	✓	✓	✓	✓
115	BCH212	Quantitative Analysis of Biomolecules	✓	✓	✓	✓
116	BCH303	Bioenergetics, Biological Oxidations and Enzymology	✓	✓	✓	✓
117	BCH313	Enzymology	✓	✓	✓	✓
118	BCH404	Intermediary Metabolism	✓	✓	✓	✓
119	BCH414	Biochemical Preparations and Separations	✓	✓	✓	-
120	DSEC1	Applied Biochemistry and Computational Biochemistry	✓	✓	✓	✓
121	DSEC2	Recombinant DNA Technology	✓	✓	✓	✓
122	BCH505A	Physiology Nutrition and Clinical Biochemistry	✓	✓	✓	✓
123	BCH515A	Physiology, Nutrition and Clinical Biochemistry	✓	✓	✓	✓
124	BCH505B	Cell Biology, Genetics & Microbiology	✓	✓	✓	✓
125	BCH515B	Cell Biology .Genetics &Microbiology	✓	✓	✓	✓
126	BCH606A	Molecular Biology and Immunology	✓	✓	✓	✓
127	BCH616A	Molecular Biology and Immunology	✓	✓	✓	✓
128	BCH606B	r-DNA Technology and Biotechnology	✓	✓	✓	✓
129	BCH616B	r-DNA Technology and Biotechnology	✓	✓	✓	✓
130	GE	Health and Clinical Markers	✓	✓	✓	✓
131	Core elective	Omics & Bioinformatics	✓	✓	✓	✓
132	Certificate Course	Basics of Experimental Biochemistry	✓	✓	✓	✓
133	Certificate Course	Clinical Microbiology & Molecular Diagnostics	✓	✓	✓	✓
134	BIT101	Cell Biology & Genetics	✓	✓	✓	✓
135	BIT111	Cell Biology & Genetics Pr	✓	✓	✓	✓
136	BIT202	Biological Chemistry & Microbiology	✓	✓	✓	✓
137	BIT212	Biological Chemistry & Microbiology Pr	✓	✓	✓	✓
138	BIT303	Molecularbiology And Recombinant Dna Technology	✓	✓	✓	✓
139	BIT313	Molecularbiology And Recombinant Dna Technology	✓	✓	✓	✓
140	BIT404	Bioinformatics and Biostatistics	✓	✓	✓	✓
141	BIT414	Bioinformatics and Biostatistics Pr	✓	✓	✓	✓
142	BIT505	Immunology	✓	✓	✓	✓

143	BIT515	Immunology Pr	✓	✓	✓	✓
144	BIT506	Plant Biotechnology	✓	✓	✓	✓
145	BIT516	Plant Biotechnology Pr	✓	✓	✓	✓
146	BIT607	Microbial Technology	✓	✓	✓	✓
147	BIT617	Microbial technology Pr	✓	✓	✓	✓
148	BIT608	Environmental Biotechnology and Biodiversity	✓	✓	✓	✓
149	BIT618	Environmental Biotechnology and Biodiversity Pr	✓	✓	✓	✓
150	BOT101	Microbial Diversity & Lower Plants	✓	✓	✓	✓
151	BOT111	Microbial Diversity of lower plants Pr	✓	✓	✓	✓
152	BOT202	Gymnosperms, Taxonomy of Angiosperms & Ecology	✓	✓	✓	✓
153	BOT212	Gymnosperms, Taxonomy of Angiosperms & Ecology Pr	✓	✓	✓	✓
154	BOT303	Plant Anatomy and Embryology	✓	✓	✓	✓
155	BOT313	Plant Anatomy and Embryology Prr	✓	✓	✓	✓
156	BOT404	Cell Bilogy, Genetics & Physiology	✓	✓	✓	✓
157	BOT414	Cell Bilogy, Genetics & Physiology Pr	✓	✓	✓	✓
158	BOT505	Biodiversity and Conservation	✓	✓	✓	✓
159	BOT515	Biodiversity and Conservation	✓	✓	✓	✓
160	GE - IDC 501	Industrial Microbiology	✓	✓	✓	✓
161	BOT606	Tissue Culture & Biotechnology	✓	✓	✓	✓
162	BOT616	Tissue Culture & Biotechnology Pr	✓	✓	✓	✓
163	BOT607	Project	✓	✓	✓	✓
164	CHE101	Chemistry	×	×	×	✓
165	CHE111	Chemistry	×	×	×	✓
166	CHE202	Chemistry	×	×	×	✓
167	CHE212	Chemistry	×	×	×	✓
168	CHE303	Chemistry	×	×	×	✓
169	CHE313	Chemistry	×	×	×	✓
170	CHE404	Chemistry	×	×	×	✓
171	CHE414	Chemistry	×	×	×	✓
172	CHE505	Chemistry	×	×	×	✓
173	CHE515	Chemistry	×	×	×	✓
174	CHE506A	Chemistry	×	×	×	✓
175	CHE516A	Chemistry	×	×	×	✓
176	CHE607	Chemistry	×	×	×	✓
177	CHE617	Chemistry	×	×	×	✓
178	CHE608	Chemistry	×	×	×	✓
179	CHE618	Chemistry	×	×	×	✓
180	GEN101	Transmission Genetics	×	×	×	✓
181	GEN111	Transmission Genetics	×	×	×	✓
182	GEN202	Molecular Genetics & Genetic Engineering	✓	✓	✓	✓
183	GEN212	Molecular Genetics & Genetic Engineering	✓	✓	✓	✓
184	GEN303	Biostatistics And Bioinformatics	✓	✓	✓	✓
185	GEN313	Biostatistics And Bioinformatics	✓	✓	✓	✓
186	GEN404	Population Genetics And Evolution	×	×	×	✓
187	GEN414	Population Genetics And Evolution	×	×	×	✓
188	GEN505	Genetic Engineering & Technology	✓	✓	✓	✓
189	GEN515	Genetic Engineering & Technology	✓	✓	✓	✓
190	GEN506A	Medical Genetics	✓	✓	✓	✓
191	GEN516A	Medical Genetics	✓	✓	✓	✓
192	GEN607	Microbial Genetics	×	×	×	✓

193	GEN617	Microbial Genetics	×	×	×	✓
194	GEN608	Cellular And Molecular Immunology	×	×	×	✓
195	GEN618	Cellular And Molecular Immunology	×	×	×	✓
196	NUT101	Nutritional Biochemistry	✓	✓	✓	✓
197	NUT111	Nutritional Biochemistry	✓	✓	✓	✓
198	NUT202	Nutritional Biochemistry II	✓	✓	✓	✓
199	NUT212	Nutritional Biochemistry II	✓	✓	✓	✓
200	NUT303	Food Science and Preparation	✓	✓	✓	✓
201	NUT313	Food Science and Preparation	✓	✓	✓	✓
202	NUT404	Applied Nutrition and Public Health	✓	✓	✓	✓
203	NUT414	Applied Nutrition and Public Health	✓	✓	✓	✓
204	NUT505	Food Processing & Preservation	✓	✓	✓	✓
205	NUT515	Food Processing & Preservation	✓	✓	✓	✓
206	NUT506	Food Sanitation and Hygiene	✓	✓	✓	✓
207	NUT516	Food Sanitation and Hygiene	✓	✓	✓	✓
208	NUT607	Therapeutic Nutrition	✓	✓	✓	✓
209	NUT617	Therapeutic Nutrition	✓	✓	✓	✓
210	NUT608	Nutrition and Public Health	✓	✓	✓	✓
211	NUT618	Nutrition and Public Health	✓	✓	✓	✓
212	MIC101	General Microbiology	✓	✓	✓	✓
213	MIC111	General Microbiology	✓	✓	✓	✓
214	MIC202	Microbial Diversity	✓	✓	✓	✓
215	MIC212	Microbial Diversity	✓	✓	✓	✓
216	MIC303	Food,Dairy & Environmental Microbiology	✓	✓	✓	✓
217	MIC313	Food,Dairy & Environmental Microbiology	✓	✓	✓	✓
218	MIC404	Immunology & Medical Microbiology	✓	✓	✓	✓
219	MIC414	Immunology & Medical Microbiology	✓	✓	✓	✓
220	MIC505	Immunology And Antimicrobial Agents	✓	✓	✓	✓
221	MIC515	Immunology And Antimicrobial Agents	✓	✓	✓	✓
222	MIC506A	Agricultural & Environmental Microbiology	✓	✓	✓	✓
223	MIC516A	Agricultural & Environmental Microbiology	✓	✓	✓	✓
224	MIC 506B	Food & Dairy Microbiology	✓	✓	✓	✓
225	MIC607	Industrial Microbiology & Microbial Technology	✓	✓	✓	✓
226	MIC617	Industrial Microbiology & Microbial Technology	✓	✓	✓	✓
227	MIC608A	Medical Microbiology	✓	✓	✓	✓
228	MIC618A	Medical Microbiology	✓	✓	✓	✓
229	MIC 608B	Clinical & Diagnostic Microbiology	✓	✓	✓	✓
230	MIC 618B	Clinical & Diagnostic Microbiology	✓	✓	✓	✓
231	ZOO101	Animal Diversity-Invertebrates	✓	✓	✓	✓
232	ZOO111	Animal Diversity-Invertebrates Pr	✓	-	-	-
233	ZOO202	Animal Diversity-Verebrates	-	-	-	Yes
234	ZOO212	Animal Diversity-Verebrates Pr	-	✓	✓	-
235	ZOO303	Animal Physiology And Animal Behaviour	✓	-	-	-
236	ZOO313	Animal Physiology And Animal Behaviour Pr	✓	-	-	-
237	ZOO404	Cell and Molecular Biology, Genetics & Developmental Biology	✓	-	-	-
238	ZOO414	Cell and Molecular Biology, Genetics & Developmental Biology Pr	✓	✓	-	-
239	ZOO505	Immunology and Animal Biotechnology	-	-	-	-
240	ZOO515	Immunology and Animal Biotechnology Pr	✓	✓	✓	Yes
241	ZOO506	Entomology	✓	✓	-	Yes
242	ZOO516	Entomology Pr	✓	✓	✓	Yes
243	ZOO607	Ecology, Zoogeography & Evolution	✓	✓	-	Yes

244	ZOO617	Ecology, Zoogeography & Evolution Pr	✓	-	✓	Yes
245	ZOO608	Aquatic Biology	✓	-	-	Yes
246	ZOO618	Aquatic Biology Pr	-	✓	✓	Yes
247	ARA101	Arabic-I	✓	-	-	-
248	ARA202	Arabic-II	✓	✓	✓	✓
249	ARA303	Arabic-III	✓	✓	✓	✓
250	ARA404	Arabic-IV	✓	✓	✓	✓
251	FRE101	French-I	✓	✓	✓	✓
252	FRE202	French-II	X	X	X	X
253	FRE303	French-III	X	X	X	X
254	FRE404	French-IV	X	X	X	X
255	HIN101	Hindi-I	X	X	✓	✓
256	HIN202	Hindi-II	X	X	X	X
257	HIN303	Hindi-III	✓	✓	✓	✓
258	HIN404	Hindi-IV	✓	✓	✓	✓
259	SAN101	Sanskrit-I	✓	✓	✓	✓
260	SAN202	Sanskrit-II	✓	✓	✓	✓
261	SAN303	Sanskrit-III	✓	✓	✓	✓
262	SAN404	Sanskrit-IV	✓	✓	✓	✓
263	TEL101	Telugu-I	✓	✓	✓	✓
264	TEL202	Telugu-II	✓	✓	✓	✓
265	TEL303	Telugu-III	✓	✓	✓	✓
266	TEL404	Telugu-IV	✓	✓	✓	✓
267	ENG101	English-I	✓	✓	✓	✓
268	ENG202	English-II	✓	✓	✓	✓
269	ENG303	English-III	✓	✓	✓	✓
270	ENG404	English-IV	✓	✓	✓	✓
271	CSC101	Programming in C	✓	✓	✓	✓
272	CSC 111	Programming in C	X	X	X	X
273	CSC202	Programming in C++	X	X	X	X
274	CSC212	Programming in C++	X	X	X	X
275	CSC303	Implementing Data Structures using C++	X	X	✓	✓
276	CSC313	Implementing Data Structures using C++	✓	✓	✓	✓
277	CSC404	Data Base Management Systems	✓	✓	✓	✓
278	CSC414	Data Base Management Systems	✓	✓	✓	✓
279	CSC505	Programming in JAVA	✓	✓	✓	✓
280	CSC515	Programming in JAVA	✓	✓	✓	✓
281	CSC506A	Operating Systems	✓	✓	✓	✓
282	CSC516A	Operating Systems	✓	✓	✓	✓
283	CSC607	Computer Networks	✓	✓	✓	✓
284	CSC617	Computer Networks	✓	✓	✓	✓
285	CSC608	Web Technologies	✓	✓	✓	✓
286	CSC618	Web Technologies	✓	✓	✓	✓
287	ELE101	Circuit Analysis	✓	✓	✓	✓
288	ELE111	Circuit Analysis	✓	✓	✓	✓
289	ELE202	Electronic Devices	✓	✓	✓	✓
290	ELE212	Electronic Devices	✓	✓	✓	✓
291	ELE303	Analog Circuits	✓	✓	✓	✓
292	ELE313	Analog Circuits	✓	✓	✓	✓
293	ELE404	Linear Integrated Circuits and Basics of Communication	✓	✓	✓	✓
294	ELE414	Linear Integrated Circuits and Basics of Communication	✓	✓	✓	✓

295	ELE505	Digital Electronics	✓	✓	✓	✓
296	ELE515	Digital Electronics	✓	✓	✓	✓
297	ELE506A	MICROPROCESSORS AND MICROCONTROLLERS	✓	✓	✓	✓
298	ELE516A	MICROPROCESSORS AND MICROCONTROLLERS	✓	✓	✓	✓
299	ELE607	Digital Communication	✓	✓	✓	✓
300	ELE617	Digital Communication	✓	✓	✓	✓
301	ELE608	EMBEDDED SYSTEMS	✓	✓	✓	✓
302	ELE618	EMBEDDED SYSTEMS	✓	✓	✓	✓
303	MAT101	Differential Equations	✓	✓	✓	✓
304	MAT111	Differential Equations	✓	✓	✓	✓
305	MAT202	Differential & integral Calculus	✓	✓	✓	✓
306	MAT212	Differential & integral Calculus	✓	✓	✓	✓
307	MAT303	Algebra	✓	✓	✓	✓
308	MAT313	Algebra	✓	✓	✓	✓
309	MAT404	Real Analysis	✓	✓	✓	✓
310	MAT414	Real Analysis	✓	✓	✓	✓
311	MAT505	Linear Algebra	✓	✓	✓	✓
312	MAT515	Linear Algebra	✓	✓	✓	✓
313	MAT506A	Numerical Analysis	✓	✓	✓	✓
314	MAT516A	Numerical Analysis	✓	✓	✓	✓
315	MAT607	Vector Calculus	✓	✓	✓	✓
316	MAT617	Vector Calculus	✓	✓	✓	✓
317	MAT608	Analytical Solid Geometry	✓	✓	✓	✓
318	MAT618	Analytical Solid Geometry	✓	✓	✓	✓
319	PHY101	Mechanics & Oscillations	✓	✓	✓	✓
320	PHY111	Mechanics & Oscillations	✓	✓	✓	✓
321	PHY202	Thermal Physics	✓	✓	✓	✓
322	PHY212	Thermal Physics	✓	✓	✓	✓
323	PHY303	Electromagnetism	✓	✓	✓	✓
324	PHY313	Electromagnetism	✓	✓	✓	✓
325	PHY404	Waves & Optics	✓	✓	✓	✓
326	PHY414	Waves & Optics	✓	✓	✓	✓
327	PHY505	Electromagnetism	✓	✓	✓	✓
328	PHY515	Electromagnetism	✓	✓	✓	✓
329	PHY506A	Solid State Physics and Spectroscopy	✓	✓	✓	✓
330	PHY516A	Solid State Physics and Spectroscopy	✓	✓	✓	✓
331	PHY607	Quantum and Nuclear Physics	✓	✓	✓	✓
332	PHY617	Quantum and Nuclear Physics	✓	✓	✓	✓
333	PHY608	Basic Electronics	✓	✓	✓	✓
334	PHY618	Basic Electronics	✓	✓	✓	✓
335	STA101	Descriptive Statistics & Probability	✓	✓	✓	✓
336	STA111	Descriptive Statistics & Probability	✓	✓	✓	✓
337	STA202	Probability Distributions	✓	✓	✓	✓
338	STA212	Probability Distributions	✓	✓	✓	✓
339	STA303	Linear Regression Analysis & Statistical Inference I	✓	✓	✓	✓
340	STA313	Linear Regression Analysis & Statistical Inference I	-	-	-	✓
341	STA 404	Statistical Inference II	-	-	-	✓
342	STA414	Statistical Inference II	-	-	-	✓
343	STA505	Sampling Techniques and Business Economics	-	-	-	✓

344	STA515	Sampling Techniques and Business Economics Pr	-	-	-	✓
345	STA506A	Statistical Quality Control and Reliability	-	-	-	✓
346	STA516A	Statistical Quality Control and Reliability	-	-	-	✓
347	STA607	Design of experiments, Vital Statistics, Index numbers and Official Statistics	-	-	-	✓
348	STA617	Design of experiments, Vital Statistics, Index numbers and Official Statistics	-	-	-	✓
349	STA608	Operations Research	-	-	-	✓
350	STA618	Operations Research	-	-	-	✓
351	LIT101	Introduction to English language & Literature	-	-	-	✓
352	LIT202	English Literature	-	-	-	✓
353	LIT303	English Drama	-	-	-	✓
354	LIT404	English Friction	-	-	-	✓
355	LIT505	Modern Language -V	-	-	-	✓
356	LIT506	Modern Language -VI	X	X	✓	✓
357	LIT607	Modern language VII	✓	✓	✓	✓
358	LIT608	Modern language VIII	✓	✓	✓	✓
359	ECO101	Micro Economics	✓	✓	✓	✓
360	ECO202	Micro Economics – II	✓	✓	✓	✓
361	ECO 303	Macro Economics – I	✓	✓	✓	✓
362	ECO 404	Indian Economy	✓	✓	✓	✓
363	ECO505	Agricultural Economics	✓	✓	✓	✓
364	ECO606	International Economics	✓	✓	✓	✓
365	HIS101	Early History of India	✓	✓	✓	✓
366	HIS202	Early Medieval Indian History-1206-1707	✓	✓	✓	✓
367	HIS303	History of India (1526-1767)	✓	✓	✓	✓
368	HIS404	History of India (1858- 1964 CE)	✓	✓	✓	✓
369	HIS505	World History (1453-1815 CE)	✓	✓	✓	✓
370	HIS506	History of Telangana (From Earlist times to 1724)	-	-	-	-
371	HIS607	World History (1815-1950)	-	-	-	-
372	HIS608	History of Telangana (1724-2014)	-	-	-	-
373	POL101	Political Theory	-	-	-	-
374	POL202	Western Political Thought	-	-	-	-
375	POL303	Indian Political Thought	-	-	-	-
376	POL404	Constitution & Politics of India	-	-	-	-
377	POL505	International Relations-I	-	-	-	-
378	POL506A	Ameican Government & Politics	-	-	-	✓
379	POL506B	Election Studies	-	-	-	✓
380	POL607	International Relations-II	-	-	✓	✓
381	POL608A	American Government & Politics	✓	✓	✓	-
382	POL608B	Election Studies	-	-	-	✓
383	PUB101	Introduction to Public Adminitration	-	-	-	✓
384	PUB202	Development Dynamics & Emerging Trends	✓	✓	✓	-
385	PUB303	Union Administration	-	-	-	✓
386	PUB404	State Administration and Emerging Issues	-	-	-	✓
387	PUB505	Human Resource Management	✓	✓	✓	✓
388	PUB506	Rural Local Governance	✓	✓	✓	✓
389	PUB607	Financial and Material Resource Management	✓	✓	✓	✓
390	PUB608	Urban Local Governance	✓	✓	✓	-
391	PSY101	General Psychology	✓	✓	✓	-
392	PSY111	General Psychology	✓	✓	✓	✓
393	PSY202	Personality Theories & Assessment	✓	✓	✓	-



394	PSY212	Personality Theories & Assessment	✓	✓	✓	-
395	PSY 303	Dynamics Of Behaviour And Personality	✓	✓	✓	-
396	PSY 313	Dynamics Of Behaviour And Personality	✓	✓	✓	✓
397	PSY 404	Child And Adolescent Psychology	-	-	-	-
398	PSY 414	Child And Adolescent Psychology	✓	✓	✓	✓
399	PSY505	Social Psychology-I	-	-	-	-
400	PSY515	Social Psychology-I Pr	✓	✓	✓	✓
401	PSY506	Abnormal Psychology- I	-	-	-	-
402	PSY516	Abnormal Psychology-I PR	✓	✓	✓	✓
403	PSY607	Social Psychology II	-	-	-	-
404	PSY617	Social Psychology II Pr	✓	✓	✓	✓
405	PSY608	Abnormal Psychology II	-	-	-	-
406	PSY618	Abnormal Psychology-Ipr	✓	✓	✓	✓
407	JOU 101	Introduction to Communication & Journalism	-	-	-	-
408	JOU 202	Mass Meida Ini Inida	✓	✓	✓	✓
409	JOU 303	Reporting & Editing for Print Media	-	-	-	-
410	JOU 404	BROADCAST JOURNALISM	✓	✓	✓	✓
411	JOU 505A	Advertising	-	-	-	-
412	JOU 606A	Public Relations	✓	✓	✓	✓
413	JOU 606B	ntroduction to Digital Journalism	✓	✓	✓	✓
414	JOU 606C	Specialized reporting	✓	✓	✓	✓
415	MCOM101	Managerial Economics	✓	✓	✓	✓
416	MCOM102	Principles of Marketing	✓	✓	✓	✓
417	MCOM103	Organizational Theory and Organizational Behavior	✓	✓	✓	✓
418	MCOM104	Financial Management	✓	✓	✓	✓
419	MCOM105	Indian Accounting Standards	✓	✓	✓	✓
420	SMNR111	Seminar	✓	✓	✓	-
421	MAOC101	Communicative English & Soft Skills	✓	✓	✓	-
422	MCHE101	Inorganic Chemistry	✓	✓	✓	-
423	MCHE102	Organic Chemistry	✓	✓	✓	-
424	MCHE103	Physical Chemistry	-	✓	✓	✓
425	MCHE104	Analytical Techniques and Spectroscopy - I	✓	-	✓	-
426	MAOC101	Communicative English and Soft Skills	✓	✓	✓	✓
427	MNUT101	Human Physiology	✓	✓	✓	✓
428	MNUT102	Nutritional Biochemistry-I	✓	✓	✓	✓
429	MNUT103	Food Science	✓	✓	✓	✓
430	MNUT104	Public Health and Community Nutrition	✓	✓	✓	✓
431	MNUT105	Nutraceuticals and Nutrigenomics	✓	✓	✓	✓
432	MNUT106	Food Product Development and Entrepreneurship	✓	✓	✓	✓
433	MAOC101	English and Soft Skills	✓	✓	✓	✓
434	MBA101	Management and Organizational Behavior	✓	✓	✓	✓
435	MBA102	Financial Statement, Analysis and Reporting	✓	✓	✓	✓
436	MBA103	Marketing Management	✓	✓	✓	✓
437	MBA104B	Business Statistics for Decision Making	✓	✓	✓	✓
438	MBA105B	Managerial Economics	✓	✓	✓	✓
439	MAOC101	Indian Ethos and Culture	✓	✓	✓	-
440	MCAN101	Mathematical Foundations of Computer Science	✓	✓	✓	✓
441	MCAN102	Data Structures using C	✓	✓	✓	-
442	MCAN103	Object Oriented Programming using Java	✓	✓	-	-
443	MCAN104	Computer Architecture	✓	✓	✓	-
444	MCAN105	Probability and Statistics	✓	✓	✓	-

445	MCAN106	Managerial Economics and Accountancy	✓	✓	✓	✓
446	MAOC111	Soft Skills Lab	✓	✓	✓	✓
447	MCAN201	Operating Systems	✓	✓	✓	✓
448	MCAN211	Operating Systems Lab	✓	✓	✓	✓
449	MCAN202	Database Management System	✓	✓	✓	✓
450	MCAN212	Database Management System Lab	✓	✓	✓	✓
451	MCAN203	Design and Analysis of Algorithms	✓	✓	✓	✓
452	MCAN204	Artificial Intelligence	✓	✓	✓	✓
453	MCAN214	Artificial Intelligence with Python Lab	✓	✓	✓	✓
454	MCAN205	Machine Learning	✓	✓	✓	✓
455	MCAN206	Operations Research	✓	✓	✓	✓
456	MAOC201	Fundamentals of Digital Marketing	✓	✓	✓	✓
457	DNUT101	Clinical Nutrition-I	✓	✓	✓	✓
458	DNUT102	Clinical Nutrition-II	✓	✓	✓	✓
459	DNUT103	Physiology	✓	✓	✓	✓
460	DNUT104	Dietetic Techniques, Patient Counselling and Food Service Management	✓	✓	✓	✓
461	DDAT101	Statistical Techniques for Data Analytics	✓	✓	✓	✓
462	DDAT102	Predictive Modelling	✓	✓	✓	✓
463	DDAT103	Machine Learning	✓	✓	✓	✓
464	DDAT104	Python for Data Analytics	✓	✓	✓	✓
465	MCOM301	Research Methodology and Statistical Analysis	✓	✓	✓	✓
466	MCOM302	e-Commerce	✓	✓	✓	✓
467	MCOM303	Cost Accounting and Control	-	-	-	-
468	MCOM304	International Financial Management	-	-	-	-
469	MCOM305	Security Analysis and Portfolio Management	-	-	-	-
470	SMNR311	Seminar	-	-	-	-
471	MIDC301	Entrepreneurship and Small Business Management, Environment Management, Needful Nutrition, Executive Communication	✓	✓	✓	✓
472	MCHE301	Synthetic Reagents, Advanced NMR, Conformational Analysis and ORD	✓	✓	-	✓
473	MCHE311	Separation and Identification of organic compounds PR	✓	✓	-	-
474	MCHE302	Modern Organic Synthesis	✓	✓	-	✓
475	MCHE303A	Green Chemistry and Organic Materials	✓	✓	-	✓
476	MCHE304A	Biomolecules	✓	✓	✓	✓
477	MCHE312	Synthesis of Heterocyclic Molecules and Isolation of Natural Products PR	✓	✓	✓	✓
478	MIDC301	Environment Management	✓	✓	✓	✓
479	MNUT301	Dietetic Techniques and Patient Counselling	✓	✓	✓	✓
480	MNUT302	Medical Nutrition Management-II	✓	✓	✓	✓
481	MNUT312	Medical Nutrition Management-II PR	✓	✓	✓	✓
482	MNUT303	Nutrition for sports,fitness & special groups	-	-	-	-
483	MNUT313	Dissertation	✓	✓	✓	✓
484	MIDC301	Entrepreneurship and Small Business Management, Environment Management, Needful Nutrition, Executive Communication	✓	✓	✓	✓
485	MBA301	Operations Research	✓	✓	✓	✓
486	MBA302	Global Business	✓	✓	✓	✓
487	MBA303	Operations Management	✓	✓	✓	✓

488	MBA304	DSE-I Financial Derivatives, Compensation and Benefits Management, Product and Brand Management, Retail and Supply Chain Management	✓	✓	✓	✓
489	MBA305	DSE-II International Finance, Organization Change and Development, Integrated Marketing Communication and Promotions, Retail Brand Management	✓	✓	✓	✓
490	MIDC301	Entrepreneurship and Small Business Management, Environment Management, Needful Nutrition, Executive Communication	✓	✓	✓	✓
491	MCAN301	Software Engineering	✓	✓	✓	✓
492	MCAN311	Software Engineering Lab	✓	✓	✓	-
493	MCAN302	Computer Networks	✓	✓	-	-
494	MCAN303	Data Science	✓	✓	✓	-
495	MCAN313	Data Science Lab	✓	✓	✓	-
496	MCAN304	Python Programing	✓	✓	✓	✓
497	MCAN314	Python Programing lab	✓	✓	✓	✓
498	MCAN305A	Information Security	✓	✓	✓	✓
499	MCAN306D	Natural Language Processing	✓	✓	✓	✓
500	SPIN307	Summer Internship	✓	✓	✓	✓
501	MCAN401B	Big data Analytics	✓	✓	✓	✓
502	MCAN402A	Cyber Security	✓	✓	✓	✓
503	MCAN303D	Organization Behaviour	✓	✓	✓	✓
504	PROJN411	Project work	✓	✓	✓	✓
505	MOOCs	Career Edge for Young Professionals by TCSION	✓	✓	✓	✓
506	SOC201	Baking Techniques	✓	✓	✓	✓
507	SOC201	Bible Foundation	✓	✓	✓	✓
508	SOC201	Calligraphy	✓	✓	✓	✓
509	SOC201	Cosmetology	✓	✓	✓	✓
510	SOC201	Culinary Techniques	✓	✓	✓	✓
511	SOC201	Design thinking as a skill	✓	✓	✓	✓
512	SOC201	Embroidery	✓	-	-	-
513	SOC201	Fabric Painting	✓	-	-	-
514	SOC201	Fashion Designing	✓	-	-	-
515	SOC201	Foreign Language German	✓	-	-	-
516	SOC201	Glass painting	✓	-	-	-
517	SOC201	Handicrafts	✓	-	-	-
518	SOC201	Home Decoration	✓	-	-	-
519	SOC201	Happiness	✓	-	-	-
520	SOC201	Herbal Medicine and Beauty Care	✓	-	-	-
521	SOC201	Interview Skills	✓	-	-	-
522	SOC201	Office management	✓	-	-	-
523	SOC201	Oil Painting	✓	-	-	-
524	SOC201	Music Vocal	✓	-	-	-
525	SOC201	Pencil Sketching and Shading	✓	-	-	-
526	SOC201	Professional Image Building and Business Etiquette	✓	-	-	-
527	SOC201	Self Defense	✓	-	-	-
528	SOC201	Urdu Qaida Course	✓	-	-	-
529	SOC201	Web Designing	✓	-	-	-
530	SOC201	Western Dance	✓	-	-	-
531	MAOC101	Indian Ethos & Culture	✓	-	-	-

532	MAOC101	Communicative Skills	✓	-	-	-
533	MAOC101	English & Soft skills	✓	-	-	-
534	MAOC101	Soft Skills-Lab	✓	-	-	-
535	MAOC201	Career Skills - Online Course by TCS	✓	-	-	-
536	MAOC201	Campus Recruitment Training	✓	-	-	-
537	MAOC201	Basics of Computer Science	✓	-	-	-
538	MAOC201	Computer Applications	✓	-	-	-
539	MAOC201	Fundamentals of digital Marketing	✓	-	-	-
540	MAOC201	Life Skills & Well being	✓	-	-	-
541	MAOC201	Statistical Package for Social Sciences (SPSS)	✓	-	-	-
542	MIDC301	Executive Communication	✓	-	-	-
543	MIDC301	Environment Management	✓	-	-	-
544	MIDC301	Micro and Medium Small Scale Enterprise	✓	-	-	-
545	MIDC301	Needful Nutrition	✓	-	-	-
546	AECC 101A/202B	Environmental Science	✓	-	-	-
547	AECC 101B/202A	Gender Sensitization	✓	-	-	-
548	AECC 202C	Basic Computer Skills	✓	-	-	-
549	AECC 303	Science & Environment	✓	-	-	-
550	AECC 404A	Computer Skills	✓	-	-	-
551	AECC 404B	Human Rights	✓	-	-	-
552	AECC 505	Finishing School	✓	-	-	-
553	AECC 606	Gender Studies	✓	-	-	-
554	CCA601	Community Theatre	✓	-	-	-
555	CCA601	Consumer Education and Awareness	✓	-	-	-
556	CCA601	Environment Education	✓	-	-	-
557	CCA601	Innovate To Enterprise	✓	-	-	-
558	CCA601	Monuments, Culture & Tradition of Telangana	✓	-	-	-
559	CCA601	NCC	✓	-	-	-
560	CCA601	NGO Management	✓	-	-	-
561	CCA601	NSS	✓	-	-	-
562	CCA601	Outreach	✓	-	-	-
563	CCA601	Physical Education	✓	-	-	-
564	COC401	Advanced Ms Excel and R-Programming	✓	-	-	-
565	COC401	Anchoring And News Reading	✓	-	-	-
566	COC401	Aquarium Maintenance	✓	-	-	-
567	COC401	Arabic Translation and Phonetics	✓	-	-	-
568	COC401	Artificial Intelligence	✓	-	-	-
569	COC401	Baking Techniques	✓	-	-	-
570	COC401	Beginners Course in Machine Learning	✓	-	-	-
571	COC401	Clinical Cytogenetics	✓	-	-	-
572	COC401	Communication Skills & Prof. Effectiveness	✓	-	-	-
573	COC401	Culinary Techniques	✓	-	-	-
574	COC401	Design Thinking as a Skill	✓	-	-	-
575	COC401	Digital Marketing	✓	-	-	-
576	COC401	Disaster Management	✓	-	-	-
577	COC401	Entrepreneurship Development Skills	✓	-	-	-
578	COC401	General Mathematics	✓	-	-	-
579	COC401	Health and Wellbeing through Ayurveda, Yoga and Meditation	✓	-	-	-
580	COC401	Herbal Medicine and Beauty Care	✓	-	-	-
581	COC401	International Travel & Tourism Management	✓	-	-	-
582	COC401	Interpersonal Communication	✓	-	-	-

583	COC401	Media Communication	✓	-	-	-
584	COC401	Medical Coding	✓	-	-	-
585	COC401	Medical Lab Technology	✓	-	-	-
586	COC401	Nutrition and Fitness	✓	-	-	-
587	COC401	Python Programming	✓	-	-	-
588	COC401	Retail Management	✓	-	-	-
589	COC401	Robotics	✓	-	-	-
590	COC401	Sociology of Culture	✓	-	-	-
591	COC401	Textiles and Dyeing	✓	-	-	-
592	COC401	Women and Career and Growth	✓	-	-	-
593	COC401	Women Studies	✓	-	-	-
594	IDC501	Arabic - Functional Arabic	✓	-	-	-
595	IDC501	BBM - Managerial Communication	✓	-	-	-
596	IDC501	BBM - Project Management	✓	-	-	-
597	IDC501	Biochemistry & Genetics - Health and Biomarkers	✓	-	-	-
598	IDC501	Biotechnology-Plant Tissue Culture	✓	-	-	-
599	IDC501	Botany - Home Gardening and Landscaping	✓	-	-	-
600	IDC501	Chemistry - Research Methodology	✓	-	-	-
601	IDC501	Commerce - E Commerce	✓	-	-	-
602	IDC501	Commerce - Investment Management	✓	-	-	-
603	IDC501	Commerce - Talent and Knowledge Management	✓	-	-	-
604	IDC501	Computer Science - FOSS tools	✓	-	-	-
605	IDC501	Economics - Telangana Economy	✓	-	-	-
606	IDC501	English - Creative Writing	✓	-	-	-
607	IDC501	French - Spoken French for Beginners	✓	-	-	-
608	IDC501	History - South Indian Heritage	✓	-	-	-
609	IDC501	Mathematics - Mathematics for Competetive Exams	✓	-	-	-
610	IDC501	Microbiology - Microbiology for Health and Wealth	✓	-	-	-
611	IDC501	Nutrition - Needful Nutrition	✓	-	-	-
612	IDC501	Physics & Electronics - Digital Photography	✓	-	-	-
613	IDC501	Political Science - Indian Constitution	✓	-	-	-
614	IDC501	Psychology - Positive Psychology	✓	-	-	-
615	IDC501	Public Administration - Good Governance	✓	-	-	-
616	IDC501	Sanskrit - Nutritional Psychosomatics and Ancient Medicinal Systems	✓	-	-	-
617	IDC501	Statistics - Basic Statistics and Data Analysis	✓	-	-	-
618	IDC501	Telangana Economy	✓	-	-	-
619	IDC501	Telugu - Journalism in Telugu	✓	-	-	-
620	IDC501	Zoology - Women and Health	✓	-	-	-
621	SEC 302/SEC404	Basic Financial Intelligence.	✓	-	-	-
622	SEC 302/SEC404	Chemistry-Safety rules in Chemistry Laboratory & Lab Reagents	✓	-	-	-
623	SEC 302/SEC404	Computer Science-Python Programming	✓	-	-	-
624	SEC 302/SEC404	Data Science-Mini Project	✓	-	-	-
625	SEC 302/SEC404	Economics-Rural Development	✓	-	-	-
626	SEC 302/SEC404	Electronics-Internet of Things (IOT) Using Arduino	✓	-	-	-
627	SEC 302/SEC404	Genetics-Clinical Cytogenetics	✓	-	-	-
628	SEC 302/SEC404	History-Archives & Museums	✓	-	-	-
629	SEC 302/SEC404	Journalism-Media Management	✓	-	-	-
630	SEC 302/SEC404	Literature-Visual Communication	✓	-	-	-
631	SEC 302/SEC404	Mathematics-Logic & Sets	✓	-	-	-

632	SEC 302/SEC404	Microbiology-Medical Coding	✓	-	-	-
633	SEC 302/SEC404	Nutrition-Food Preservation	✓	-	-	-
634	SEC 302/SEC404	Physics-Medical Physics	✓	-	-	-
635	SEC 302/SEC404	Political Science-Legislative Practices & Procedures	✓	-	-	-
636	SEC 302/SEC404	Psychology-Applications of Psychology in Professional Settings	✓	-	-	-
637	SEC 302/SEC404	Public Administration-Public Office Administration	✓	-	-	-
638	SEC 302/SEC404	Statistics-Data Scaling Techniques and Report writing	✓	-	-	-
639	SEC 302/SEC404	Zoology-Public Health & Hygiene	✓	-	-	-
640	SEC301A/SEC403A	Universal Human Values	✓	-	-	-
641	SEC301B/SEC403A	Communication Skills	✓	-	-	-

	0	544	386	375	395
641	0	85	60	59	62