



JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

(Established by H.P.State Legislative vide Act No. 14 of 2002)
Waknaghat, P.O. Dumehar Bani, Kandaghat, Distt. Solan – 173234 (H.P.) INDIA
Website : www.juit.ac.in
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METRIC 1.1.2 (List of Courses Revised)

The Course Revision Details:

Degree	Revision
B.Tech. All Branches	All courses were revised in 2018. (Revision Percentage = 100%)
M.Sc. Biotechnology	The courses were revised in 2020 as per Department of Biotechnology (DBT), Government of India (Only three courses were common). (Revision Percentage = 90%)
M.Tech. Biotechnology	Only three courses were revised. (Revision Percentage = 15%)
M.Tech. (Other Branches)	Six courses were revised. (Revision Percentage = 24%)
Ph.D.	Revision carried out as per the norms of UGC.

Link for ACM Approvals:

<https://www.juit.ac.in/NAAC2022/NAACFILES/1/1.1/1.1.1.2/AC%20MOM/Criteria%201.1.2%20ACM%20for%20Revision%20of%20Programmes.pdf>




Assistant Registrar (Academics)
Jaypee University of Information Technology
Waknaghat, Distt. Solan (H.P.)





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Metric 1.1.2 (Syllabus Revision)

S.No.	Course Code	Course Name	Year of Revision
1	18B11HS111	English and Technical Communication	2018
2	18B11HS171	English and Technical Communication Lab	2018
3	18B11MA112	Basic Mathematics -1 OR	2018
4	18B11BT111	Fundamental Biology	2018
5	18B17BT171	Fundamental Biology lab	2018
6	18B11PH112	Basic Engineering Physics-I	2018
7	19B11CI111	Programming for Problem Solving-II	2018
8	18B17GE173	Engineering Graphics	2018
9	18B17PH172	Basic Engineering Physics Lab-I	2018
10	19B17CI171	Programming for Problem Solving Lab-II	2018
11	18B11MA212	Basic Mathematics-II	2018
12	18B11PH212	Bioinstrumentation Techniques	2018
13	18B11EC212	Basic Electrical Sciences	2018
14	18B17EC272	Basic Electrical Sciences lab	2018
15	18B11CI211	Data Structure & Algorithms	2018
16	18B17CI271	Data Structure & Algorithms Lab	2018
17	18B17GE171	Workshop Practices	2018
18	18B11HS311	Interpersonal Dynamics Values and Ethics	2018
19	18B11MA312	Probability & Statistical Techniques	2018
20	18B11BT311	Genetics	2018
21	18B11BT312	Biochemistry	2018
22	18B11BT313	Thermodynamics & Chemical Processes	2018
23	18B11BT314	General Chemistry	2018
24	18B17BT371	Genetics Lab.	2018
25	18B17BT372	Biochemistry Lab	2018
26	18B17BT373	Thermodynamics & Chemical Processes lab	2018
27	18B17BT374	General Chemistry Lab	2018
28	18B11HS411	Finance and Accounts	2018
29	18B11BT411	Cell Biology and Culture Technologies	2018
30	18B11BT412	Molecular Biology	2018
31	18B11BT413	Introduction to Bioinformatics	2018
32	18B11BT414	Microbiology	2018
33	18B17BT471	Cell Biology and Culture Technologies lab	2018
34	18B17BT472	Molecular Biology Lab	2018



35	18B17BT473	Introduction to Bioinformatics lab	2018
36	18B17BT474	Microbiology Lab	2018
37	18B11GE411	Environmental Studies	2018
38	18B11HS511	Project Management and Entrepreneurship	2018
39	18B11BT511	Bioprocess Engineering	2018
40	18B11BT512	Genetic Engineering	2018
41	18B11BT513	Immunology	2018
42	18B17BT571	Bioprocess Engineering Lab	2018
43	18B17BT572	Genetic Engineering Lab	2018
44	18B17BT573	Immunology Lab	2018
45	18B11BT611	Downstream Processing	2018
46	18B11BT612	Food and Agricultural Biotechnology	2018
47	18B17BT671	Downstream Processing Lab.	2018
48	18B17BT672	Food and Agricultural Biotechnology Lab	2018
49	18B1WBT531	Phytopharmaceuticals and Biologicals	2018
50	18B1WBT532	Comparative & Functional Genomics	2018
51	18B1WBT631	Peptide Therapeutics	2018
52	18B1WBT632	Infectious Diseases	2018
53	18B1WBT633	Nano-Biotechnology	2018
54	18B1WBT634	Bioenergy & Biofuels	2018
55	18B1WBT733	Industrial Enzymes Technologies	2018
56	18B1WBT734	Intellectual Property Rights & Commercialization	2018
57	18B1WBT831	Genetic Counselling	2018
58	18B1WBT832	Traditional Bioprocessing & Their Up Scaling	2018
59	18B1WBT833	Diagnostics & Vaccine Manufacture	2018
60	18B1WB1834	NGS Data Analysis & Applications	2018
61	18B1WBT635	Biology for Engineers	2018
62	18B1WBT636	Industrial Chemistry	2018
63	19B1WBT731	Sustainable Technologies for Waste Management	2018
64	19B1WBT732	Food Nutrition & Health Care	2018
65	18B17HS171	English and Technical Communication	2018
66	18B11BI311	Cell and Molecular Biology	2018
67	20B11BI311	Bioinformatics Data Management	2018
68	18B11BI312	Microbiology & Immune System	2018
69	18B11BI313	Biological Computation	2018
70	20b17BI371	Bioinformatics Data Management Lab	2018
71	18B17BI371	Cell and Molecular Biology Lab	2018
72	18B17BI372	Microbiology & Immune System Lab	2018
73	18B17BI373	Biological Computation Lab	2018
74	18B17BI374	Linux Lab	2018
75	18B11MA411	Bio-Statistics	2018
76	18B11BI412	Genetic Engineering and Genomics	2018
77	18B11CI415	Object Oriented Programming	2018
78	18B11BI413	Structural Biology	2018
79	18B11BI414	Programming Languages for Bioinformatics	2018
80	18B11CI474	Object Oriented Programming Lab	2018

81	18B11MA412	Bio-Statistics Lab	2018
82	18B17BI472	Genetic Engineering and Genomics Lab	2018
83	18B17BI473	Structural Biology Lab	2018
84	18B17BI474	Programming Languages for Bioinformatics Lab	2018
85	18B11BI511	Design and Analysis of Algorithms	2018
86	18B11BI512	Scripting Languages for Bioinformatics	2018
87	18B17BI571	Design and Analysis of Algorithms Lab	2018
88	18B17BI572	Scripting Languages for Bioinformatics Lab	2018
89	18B17BI573	Structural Bioinformatics Lab	2018
90	18B11BI611	Machine Learning for Bioinformatics	2018
91	18B11BI612	Computer Aided Drug Design	2018
92	18B17BI671	Machine Learning for Bioinformatics lab	2018
93	18B17BI672	Computer Aided Drug Design Lab	2018
94	18B17BI673	Advanced Algorithms for Bioinformatics Lab	2018
95	18B17BI674	R Language Lab	2018
96	18B1WBI531	Structural Bioinformatics	2018
97	18B1WBI631	Advanced Algorithms for Bioinformatics	2018
98	18B1WBI632	Dataware housing and Mining for Bioinformatics	2018
99	18B1WBI731	Computational Systems Biology	2018
100	18B1WBI831	Computational Molecular Evolution	2018
101	18B17HS171	English and Technical Communication Lab	2018
102	18B11MA111	Engineering Mathematics -I	2018
103	18B11PH111	Engineering Physics-I	2018
104	18B17PH171	Engineering Physics Lab -I-	2018
105	18B17GE173	Engineering Graphics OR	2018
106	18B17GE171	Workshop Practice	2018
107	18B11EC211	Electrical Science	2018
108	18B17CI211	Data Structure & Algorithms	2018
109	18B11MA211	Engineering Mathematics -II	2018
110	18B11PH211	Engineering Physics-II	2018
111	18B17PH271	Engineering Physics Lab -II	2018
112	18B17EC271	Electrical Science Lab	2018
113	18B17GE171	Workshop Practice OR	2018
114	18B11CE315	Engineering Mechanics	2018
115	18B17CE373	Concrete Technology Lab	2018
116	18B11CE313	Building Materials & Construction	2018
117	18B11CE312	Surveying	2018
118	18B11CE314	Water Supply Engineering	2018
119	18B17CE372	Surveying Lab	2018
120	18B11CE311	Chemistry	2018
121	18B17CE371	Chemistry Lab	2018
122	18B11MA311	Numerical Methods	2018
123	18B11HS311	Interpersonal Dynamics, Values and Ethics	2018
124	18B11CE415	Mechanics of Solids	2018
125	18B11CE413	Computer Aided Civil Engineering Drawing	2018
126	18B11CE412	Fluid Mechanics	2018

127	18B11CE414	Water Resources Engineering	2018
128	18B11CE411	Geotechnical Engineering	2018
129	18B17CE471	Geotechnical Engineering Lab	2018
130	18B17CE472	Fluid Mechanics Lab	2018
131	18B11CE513	Structural Analysis	2018
132	18B11CE512	Sewage Treatment and Disposal	2018
133	18B17CE572	Environmental Engineering Lab	2018
134	18B11CE515	Design of Concrete Structures	2018
135	18B11CE511	Highway Engineering	2018
136	18B17CE571	Highway Engineering Lab	2018
137	18B11CE514	Foundation Engineering	2018
138	18B11CE611	Concrete Technology	2018
139	18B11CE612	Design of Steel Structures	2018
140	18B17CE671	Computer Aided Planning and Costing	2018
141	18B11GE111	Indian Constitution (HSS Audit)	2018
142	18B1WCE531	Construction Technology and Management	2018
143	18B1WCE532	Solid Waste Management	2018
144	18B1WCE533	Air and Noise Pollution and Control	2018
145	18B1WCE631	Advanced Structural Analysis	2018
146	18B1WCE632	Pavement Analysis and Design	2018
147	18B1WCE633	Industrial Waste Treatment	2018
148	18B1WCE634	Transportation Engineering	2018
149	18B1WCE635	Traffic Engineering	2018
150	18B1WCE636	Highway Construction, Maintenance and Management	2018
151	18B1WCE637	Advanced Concrete Technology	2018
152	18B1WCE638	Underground Technology	2018
153	18B1WCE639	Open Channel Flow and Hydraulic Machine	2018
154	18B1WCE731	FEM and its Applications in Civil Engineering	2018
155	18B1WCE732	Environmental Management and Impact Assessment	2018
156	18B1WCE733	Advanced Foundation Engineering	2018
157	18B1WCE734	Earthquake Engineering	2018
158	18B1WCE735	Design of Prestressed Concrete Structures	2018
159	18B1WCE736	Dam and Reservoir Design	2018
160	18B1WCE831	Advanced Reinforced Concrete Design	2018
161	18B1WCE832	Advanced Highway Material and construction	2018
162	18B1WCE833	Hydropower Engineering	2018
163	18B1WCE640	Optimization Techniques	2018
164	18B1WCE737	Finite Element Method	2018
165	18B1WCE738	Financial Management	2018
166	18B1WCE834	Sustainable Development	2018
167	18B11MA111	Engineering Mathematics -1	2018
168	18B17GE171	Workshop Practices OR	2018
169	18B17PH171	Engineering Physics Lab-I	2018
170	19B17CI171	Programming for Problem Solving Lab- II	2018
171	18B11MA211	Engineering Mathematics -2 (Differential Calculas)	2018
172	18B11PH271	Engineering Physics Lab - II	2018

173	18B11EC211	Electrical Sciences	2018
174	18B17EC271	Electrical Sciences Lab	2018
175	18B17GE171	Workshop Practices	2018
176	18B11CI211	Data Structures and Algorithms	2018
177	18B17CI271	Data Structures and Algorithms Lab	2018
178	18B11CI314	Python Programming Essentials	2018
179	18B11CI311	Object Oriented Systems and Programming	2018
180	18B11CI313	Database Management systems	2018
181	18B11MA313	Mathematics-III (Probability & Statistics)	2018
182	18B11HS311	Humanities-I (Interpersonal Dynamics, Values and Ethics)	2018
183	18B17CI374	Python programming Lab	2018
184	18B17CI371	Object Oriented Systems and Programming Lab	2018
185	18B17CI373	Database Management Systems Lab	2018
186	18B17CI372	IT Workshop (SciLab/MATLAB) Lab	2018
187	18B11CI414	Discrete Computational Mathematics	2018
188	18B11CI413	Modeling and Simulation Techniques	2018
189	18B11CI411	Operating Systems	2018
190	18B11CI412	Design & Analysis of Algorithms	2018
191	18B11GE411	Environmental Sciences	2018
192	18B17CI473	Data Simulation Lab	2018
193	18B17CI471	Operating System Lab	2018
194	18B17CI472	Design and Analysis of Algorithms Lab	2018
195	18B17CI474	Web Tech Lab	2018
196	18B11CI515	Computer Graphics	2018
197	18B11CI513	Formal Language & Automata Theory	2018
198	18B11CI514	Computer Organization and Architecture	2018
199	18B11HS511	Project Management and Entrepreneurship	2018
200	18B17CI575	Computer Graphics Lab	2018
201	18B17CI574	Computer Organization and Architecture Lab	2018
202	18B1WCI575	Multimedia Lab	2018
203	18B11CI612	Compiler Design	2018
204	18B11CI611	Computer Networks	2018
205	18B17CI672	Compiler Design Lab	2018
206	18B17CI671	Computer Networks lab	2018
207	18B1WHS831	Indian Constitution/Essence of Indian Traditional Knowledge	2018
208	18B1WCI532	Data Compression	2018
209	18B1WCI533	Principal of Programming Languages	2018
210	18B1WCI534	Java Programming	2018
211	18B1WCI531	Information Theory & Coding	2018
212	18B1WCI572	Data Compression Lab	2018
213	18B1WCI573	Principal of Programming Languages Lab	2018
214	18B1WCI574	Java Programming Lab	2018
215	18B1WCI571	Information Theory & Coding Lab	2018
216	20B1WCI531	Foundation for Data Science and Visualization	2018
217	20B1WCI571	Data Science and Visualization Lab	2018
218	19B1WCI531	Big Data using Hadoop	2018

219	19B1WCI571	Big Data using Hadoop Lab	2018
220	19B1WCI532	Image Analysis and Pattern Recognition	2018
221	19B1WCI572	Image Analysis and Pattern Recognition Lab	2018
222	20B1WCI532	Cloud Computing: Concepts, Technology & Architecture	2018
223	20B1WCI572	Cloud Computing: Concepts, Technology & Architecture Lab	2018
224	19B1WCI533	Human-Computer Interaction	2018
225	19B1WCI573	Human-Computer Interaction Lab	2018
226	19B1WCI534	Social Media	2018
227	19B1WCI574	Social Media Lab (Node XL)	2018
228	18B1WCI633	Software Testing Fundamentals	2018
229	18B1WCI634	Machine Learning	2018
230	18B1WCI637	C# and VB.NET	2018
231	18B1WCI631	Data Structure and Software Design	2018
232	18B1WCI673	Software Testing Fundamentals Lab	2018
233	18B1WCI674	Machine Learning Lab	2018
234	18B1WCI677	C# and VB.NET Lab	2018
235	18B1WCI671	Data Structure and Software Design Lab	2018
236	19B1WCI631	Digital Forensics	2018
237	19B1WCI671	Digital Forensics Lab	2018
238	19B1WCI633	Computer Animation	2018
239	19B1WCI673	Computer Animation Lab	2018
240	19B1WCI634	Computer and Robot Vision	2018
241	19B1WCI674	Computer and Robot Vision lab	2018
242	19B1WCI636	Computability, Complexity & Algorithms	2018
243	19B1WCI676	Computability, Complexity & Algorithms Lab	2018
244	19B1WCI638	Statistics and Data Science	2018
245	19B1WCI678	Statistics and Data Science Lab	2018
246	18B1WCI638	Pattern Recognition	2018
247	18B1WCI635	Data Mining & Data Warehousing	2018
248	18B1WCI632	Parallel and Distributed Algorithms	2018
249	18B1WCI636	Digital Image processing	2018
250	18B1WCI678	Pattern Recognition Lab	2018
251	18B1WCI675	Data Mining & Data Warehousing Lab	2018
252	18B1WCI672	Parallel and Distributed Algorithms Lab	2018
253	18B1WCI676	Digital Image processing Lab	2018
254	19B1WCI632	Information Security	2018
255	19B1WCI672	Information Security Lab	2018
256	20B1WCI732	From Graph to Knowledge Graph	2018
257	20B1WCI772	From Graph to Knowledge Graph Lab	2018
258	19B1WCI635	Architecting Distributed Cloud Applications	2018
259	19B1WCI675	Architecting Distributed Cloud Applications Lab	2018
260	19B1WCI637	Statistics and Exploratory Data Analytics	2018
261	19B1WCI677	Statistics and Exploratory Data Analytics Lab	2018
262	18B1WCI734	Cryptography & network security	2018
263	18B1WCI743	Advanced Algorithms	2018
264	18B1WCI741	R-Programming	2018

265	18B1WCI742	Artificial Intelligence	2018
266	18B1WCI774	Cryptography& network security Lab	2018
267	18B1WCI773	Advanced Algorithms Lab	2018
268	18B1WCI771	R-Programming Lab	2018
269	18B1WCI772	Artificial Intelligence Lab	2018
270	19B1WCI731	Computational Data Analysis	2018
271	19B1WCI771	Computational Data Analysis lab	2018
272	19B1WCI732	Game Development and Design	2018
273	19B1WCI772	Game Development Lab	2018
274	18B1WCI736	Storage Networks	2018
275	18B1WCI738	Internet of Things	2018
276	18B1WCI735	Mobile Computing	2018
277	18B1WCI737	Cloud Computing	2018
278	18B1WCI740	Computational Techniques and Algorithms in Engineering	2018
279	19B1WCI736	Information Auditing & Risk Management	2018
280	19B1WCI737	Optimization Methods in Business Analytics	2018
281	18B1WCI840	Computer Vision	2018
282	19B1WCI738	Introduction to Deep Learning	2018
283	18B1WCI843	Data Analytics	2018
284	18B1WCI844	BIG DATA	2018
285	18B1WCI845	Network Management	2018
286	18B1WCI846	Graph Theory	2018
287	19B1WCI831	Ethics and Information Technology	2018
288	18B1WCI832	Social and Information Network Analysis	2018
289	19B1WCI832	Probabilistic Graphical Models	2018
290	19B1WCI833	Information Modeling	2018
291	19B1WCI834	Information Visualization	2018
292	19B1WCI835	Cloud Computing Security	2018
293	19B1WCI836	Knowledge-Based AI: Cognitive Systems	2018
294	19B1WCI837	Reinforcement Learning	2018
295	19B1WCI733	Introduction to C++ Programming	2018
296	19B1WCI734	Object-Oriented Technologies using Java	2018
297	19B1WCI735	Software Testing Methodologies	2018
298	19B1WCI773	Introduction to C++ Programming Lab	2018
299	19B1WCI774	Object-Oriented Technologies using Java Lab	2018
300	19B1WCI775	Software Testing Methodologies Lab	2018
301	13B1WCI731	ARM based Embedded System Design	2018
302	19B1WCI739	Software Defined Network	2018
303	19B1WCI740	Introduction to Statistical learning	2018
304	19B1WCI838	Principles of Distributed Database Systems	2018
305	19B1WCI839	Foundations of Blockchain	2018
306	19B1WCI840	Computational Biology	2018
307	19B1WCI841	Wireless Sensor Networks: Protocols and Applications	2018
308	19B1WCI842	Service Oriented Architecture	2018
309	19B1WCI843	Multimedia Systems and Applications	2018
310	18B1WCI315	Python Programming with Raspberry Pi	2018

311	18B17CI375	Python programming with Raspberry Pi Lab	2018
312	18B17CI371	Object Oriented Systems and Programming Lab	2018
313	19B11CI411	Software Engineering Practices	2018
314	19B17CI471	Software Engineering Practices Lab	2018
315	18B11CI512	Information Systems	2018
316	18B11CI511	Advanced Java	2018
317	18B11CI514	Computer Organization and Architecture	2018
318	18B17CI572	Information Systems Lab	2018
319	18B17CI574	Computer Organization and Architecture Lab	2018
320	18B17CI571	Advanced Java Lab	2018
321	18B11CI613	Data Mining	2018
322	18B17CI673	Data Mining Lab	2018
323	20B1WCI733	Computer Graphics and its Applications	2018
324	18B1WCI573	Principal of Programming Languages	2018
325	20B17CI773	Computer Graphics and its Applications Lab	2018
326	18B1WCI671	Data Structure and Software Design L	2018
327	18B1WCI672	Parallel and Distributed Algorithms L	2018
328	18B1WCI733	Advanced Algorithms	2018
329	18B1WCI731	R-Programming	2018
330	20B1WCI731	Artificial Intelligence	2018
331	20B1WCI771	Artificial Intelligence Lab	2018
332	18B1WCI739	Formal Languages & Automata	2018
333	18B1WCI740	Computational Techniques & Algorithms in Engineering	2018
334	18B1WCI831	Data Analytics	2018
335	18B1WCI832	Big Data	2018
336	18B1WCI834	Network Management	2018
337	18B1WCI833	Graph Theory	2018
338	18B1WCI835	Deep Learning	2018
339	19B1WCI831	Ethics and Information Technology	2018
340	19B1WCI773	Introduction to C++Programming Lab	2018
341	19B1WCI843	Multimedia Systems and Applications	2018
342	18B11MA111	Engineering Mathematics-I	2018
343	18B11MA211	Engineering Mathematics-II	2018
344	18B11PH271	Engineering Physics Lab-II	2018
345	18B17CI211	Data Structures and Algorithms	2018
346	18B11MA314	Probability Theory and Random Processes	2018
347	18B11EC313	Electronic Devices & Circuits	2018
348	18B17EC373	Electronic Devices & Circuits Lab	2018
349	18B11EC311	Automatic Control Systems	2018
350	18B17EC371	Automatic Control Systems Lab	2018
351	18B11EC312	Digital Electronics & Logic Design	2018
352	18B17EC372	Digital Electronics & Logic Design Lab	2018
353	18B11MA413	Discrete Mathematics	2018
354	18B17EC474	Python Lab	2018
355	18B11EC411	Analog Integrated Circuits	2018
356	18B17EC471	Analog Integrated Circuits Lab	2018

357	18B11EC412	Fundamentals of Signals & Systems	2018
358	18B17EC472	Fundamentals of Signals & Systems Lab	2018
359	18B11EC413	Modern Analog and Digital Communication	2018
360	18B17EC473	Modern Analog and Digital Communication Lab	2018
361	18B11EC511	Principles of Digital Signal Processing	2018
362	18B17EC571	Principles of Digital Signal Processing Lab	2018
363	18B11EC512	Microprocessor and Interfacing	2018
364	18B17EC572	Microprocessor and Interfacing Lab	2018
365	18B11EC513	Electromagnetic Waves	2018
366	18B11EC611	Wireless and Data Communication	2018
367	18B11EC612	VLSI Technology	2018
368	18B11EC671	Mini Project	2018
369	18B17EC672	VLSI Technology Lab	2018
370	18B17EC673	Advance Communication Lab	2018
371	18B1WEC534	Network Analysis and Synthesis	2018
372	18B1WEC535	Communication Engineering	2018
373	18B1WEC536	Fundamentals of Digital Image Processing	2018
374	20B1WEC534	AVR Based Embedded System Design	2018
375	20B1WEC571	AVR Based Embedded System Design Lab	2018
376	18B1WEC631	Digital Filter Design and Applications	2018
377	18B1WEC632	Intelligent Control Systems	2018
378	18B1WEC633	Optical Communication Systems	2018
379	18B1WEC746	Microwave Theory and Techniques	2018
380	18B1WEC745	Next Generation Communication Systems	2018
381	18B1WEC744	FPGA based Instrumentation System Design	2018
382	18B1WEC743	Optimum Array Processing	2018
383	18B1WEC742	Antenna and Wave Propagation	2018
384	18B1WEC736	OFDM and Applications	2018
385	18B1WEC737	Robotic Systems and Control	2018
386	18B1WEC738	Time Frequency Analysis and Applications	2018
387	18B1WEC852	Design of Modern Antennas	2018
388	18B1WEC851	Soft Computing Techniques	2018
389	18B1WEC850	Fault Tolerant Communication Systems	2018
390	18B1WEC849	Cognitive Radio Networks	2018
391	18B1WEC848	RF Engineering	2018
392	18B1WEC847	Medical Image Processing	2018
393	18B1WEC846	Design of Dependable Systems	2018
394	18B1WEC838	Artificial Intelligence Techniques	2018
395	18B1WEC839	Radar Principles and Applications	2018
396	18B1WEC840	Industrial Automation and Control	2018
397	18B1WEC841	Bio Electronic Sensors	2018
398	18B1WEC842	Optical Networks	2018
399	18B1WEC635	Principles of Communication Systems	2018
400	18B1WEC672	Principles of Communication Systems Lab	2018
401	18B1WEC636	Fundamentals of Digital Signal Processing and Applications	2018
402	18B1WEC673	Fundamentals of Digital Signal Processing Lab	2018

403	20B1WEC731	Automation and Robotics	2018
404	20B1WEC732	Machine Learning for Wireless Communications	2018
405	20B1WEC733	Signal Processing for Machine Learning	2018
406	18B1WEC637	Principles of Wireless Communication	2018
407	18B1WEC674	Principles of Wireless Communication Lab	2018
408	18B1WEC639	Software Defined Radio and Applications	2018
409	18B1WEC676	Software Defined Radio Lab	2018
410	20B1WEC734	Digital Systems	2018
411	20B1WEC735	Artificial Intelligence Techniques for Genomic Signal Processing	2018
412	20B1WEC736	Image Sensing and Reconstruction	2018
413	18B1WEC739	Optimization Techniques in Engineering	2018
414	18B1WEC740	Electrical Machines	2018
415	18B1WEC741	Biomedical Signal Processing	2018
416	18B1WEC843	Industrial Internet of Things	2018
417	18B1WEC844	Wireless Ad Hoc and Sensor Networks	2018
418	18B1WEC845	Satellite Communication	2018
419	10M11CE111	Construction Techniques	2019
420	10M11CE112	Estimating & Costing	2019
421	10M11CE113	Construction Planning and Control	2019
422	10M11CE115	Mechanical and Electrical Systems in Building	2019
423	10M19CE191	Construction Capstone Project	2019
424	10M11CE211	Construction Contracts and Laws	2019
425	10M11CE213	Construction Cost Analysis	2019
426	10M11CE214	Construction Financial Management	2019
427	10M11CE215	Sustainable Design and Construction	2019
428	10M19CE291	Construction Capstone Project	2019
429	10M11CE114	Construction Safety and Health	2019
430	12M1WCE332	Repair and Retrofitting of Structures	2019
431	11M1WCE332	Advances in Construction Materials	2019
432	10M11CE212	Heavy/Civil Construction Equipment, Methods, and Management	2019
433	10M13CE334	Principles of Affordable Housing	2019
434	10M13CE432	Construction Methods Improvement	2019
435	11M1WCE111	Advanced Structural Analysis	2019
436	11M1WCE112	Structural Dynamics	2019
437	11M1WCE113	Design of Reinforced Concrete Structures	2019
438	13M1WCE131	Finite Element Methods	2019
439	11M1WCE713	Concrete Structures Laboratory	2019
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441	11M1WCE213	Earthquake Resistant Design of Structures	2019
442	11M1WCE214	Theory of Plates and Shells	2019
443	12M1WCE231	Prestress Concrete Structures	2019
444	12M1WCE271	CAD Laboratory	2019
445	11M1WCE114	Modelling, Simulation and Computer Applications	2019
446	11M1WCE332	Advances in Construction Materials	2019
447	12M1WCE332	Repair and Retrofitting of Structures	2019
448	11M1WCE212	Design of Steel Structures	2019

449	11M1WCE133	Bridge Engineering	2019
450	10M13CE432	Construction Methods Improvement	2019
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455	14M31CE116	Wastewater Treatment	2019
456	14M37CE171	Environmental Engineering Lab	2019
457	14M31CE211	Air and Noise Pollution Control	2019
458	14M31CE112	Simulation and Modelling	2019
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467	17M21CE211	Environmental Nanotechnology	2019
468	15M3WCE312	Environmental Geotechnique	2019
469	17M21CE212	Environmental Management	2019
470	17M21CE213	Independent Study	2019
471	10M11CI111	Advanced Data Structures	2019
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475	10M17CI171	Software Systems Lab - I	2019
476	10M11CI211	Advanced Algorithms	2019
477	10M11CI212	Advanced Operating Systems	2019
478	10M11CI213	Advanced Software Engineering	2019
479	10M11CI214	Multimedia Systems	2019
480	10M17CI271	Software Systems Lab - II	2019
481	10M1WCI131	System and Network Security Techniques	2019
482	14M1WCI333	Natural Language Processing	2019
483	14M1WCI431	Parallel Programming Techniques	2019
484	11M1WCI432	Performance Evaluation of Networks	2019
485	13M1WCI331	Machine Learning	2019
486	15M1WCI331	Advanced Theory of Computation	2019
487	11M1WCI431	Advanced Web Mining	2019
488	15M1WCI431	Advanced AI	2019
489	15M1WCI432	Advanced Computational Techniques in Engineering	2019
490	18M1WCI113	Cyber Warfare & Cyber Crime	2019
491	18M1WCI332	Deep Learning	2019
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495	20MS1BT114	Microbiology	2020
496	20MS1BT115	Genetics	2020
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507	20MS1BT216	Research Methodology and Scientific Communication Skills	2020
508	20MSWBT231	Nanobiotechnology	2020
509	20MSWBT232	Environmental Biotechnology	2020
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511	20MS7BT271	Laboratory IV: Molecular Biology and Genetic Engineering	2020
512	20MS7BT272	Laboratory V: Immunology	2020
513	20MS1BT311	Bioprocess Engineering and Technology	2020
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518	20MS9BT313	Project Proposal Preparation and Presentation	2020
519	20MS7BT371	Laboratory VI: Bioprocess Engineering and Technology	2020
520	20MS7BT372	Laboratory VII: Bioinformatics	2020
521	20MSWBT431	Vaccines	2020
522	20MSWBT432	Drug Discovery and Development	2020
523	20MSWBT433	Computational Systems Biology	2020
524	20MSWBT231	Nanobiotechnology	2020
525	20MSWBT232	Environmental Biotechnology	2020
526	20MSWBT233	Protein Engineering	2020
527	13M11BT111	Advances in Molecular Cell Biology	2021
528	13M17BT171	Advances in Molecular Cell Biology Lab	2021
529	18M11BT113	Research Methodology and Ethics	2021
530	18M11BT114	Patenting in Biotechnology	2021
531	13M11BT112	Advanced Bioinformatics	2021
532	13M17BT172	Advanced Bioinformatics Lab	2021
533	13M11BT114	High Throughput Technologies	2021
534	14M11BT211	Industrial Biotechnology	2021
535	14M17BT271	Industrial Biotechnology Lab	2021
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562	21M1WEC148	Radar and Sonar Signal Processing	2021
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564	21M11EC272	Advanced Signal Processing Lab	2021
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571	21M1WEC244	RF IC Design	2021
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