MINUTES OF 14th MEETING

OF

BOARD OF STUDIES (BOS)

DEPARTMENT OF COMPUTER ENGINEERING & APPLICATIONS

GLA UNIVERSITY
MATHURA
Established vide U.P. Act 21 of 2010.

JUNE 12th, 2020

Department of Computer Engineering & Applications

GLAU/CEA/BOS/2019-20/01   12.06.2020

Members Present:

1.	Mr. Rajesh Singh, HCL Pvt.Ltd.	13.	Dr. Hitendra Garg
2.	Mr. Kishore Kunal, Alumni,Dragonlearn.in	14.	Dr. Suresh Raikwar
3.	Mr. Suresh Singh, DirectorT&D	15.	Dr. Ashish Sharma
4.	Mr. Atul Bansal,CoE	16.	Dr. Nitin Tyagi
5.	Dr. Pooja Pathak,Maths	17.	Dr. Shashi Shekhar
6.	Prof. Anand SinghJalal	18.	Dr. Rohit Agrawal
7.	Prof. Charual Bhatnagar	19.	Dr. Mayank Srivastava
8.	Prof. AshishSharma	20.	Mr. Neeraj Gupta
9.	Prof. DilipSharma	21.	Mr. Narendra Mohan
10.	Prof. Diwakar Bhardwaj	22.	Mr. Saurabh Anand
11.	Prof. Manoj Kumar	23.	Mr. Himanshu Sharma
12.	Dr. Anant Ram	24.	Mr. Saurabh Singhal

The Chairman Board of Studies welcomed all the members and started proceedings of the 14thmeeting of BoS in accordance with the Agenda note circulatedearlier.

Agenda Item – 14.1: To confirm the minutes of the 13th BoS meeting
The minutes of the meeting of 13th BoS held on May 4th, 2019 were implemented and enclosed as Annexure A.

Agenda Item – 14.2: Action Taken Report (ATR)
The ATR based on the minutes of the 13th BoS were presented.

Agenda Item – 14.3: Agenda Item – 14.3: To consider inclusion of Industrial Internet of Things (IIoT) specialization with B. Tech. (Computer Science & Engg.) and approval of its course structure under CBCS.

The experts and members of BoS critically observed and approved the course structure and syllabus for new specialization i.e. Industrial Internet of Things (IIoT), enclosed as Annexure B.

Agenda Item – 14.4: To consider and approve changes in existing specialization for Cloud Computing and Virtualization.

The experts and members of BoS thoroughly checked and appraised the changes in the following courses of specialization for Cloud Computing and Virtualization, enclosed as AnnexureC.

Subjects	Change
Business Process Management (BCSE0504)	Merged as "Cloud and Business Process Management (BCSE0508)"
Cloud Management (BCSE0505)	
Cloud Security (BCSE0506)	Merged as "Cloud Security, Backup & Disaster Recovery(BCSE0509)"
Backup & Disaster Recovery (BCSE0507)	
Container Orchestration and Infrastructure Automation(BCSE0510)	New Inclusion
Devops (BCSE0511)	New Inclusion
Business Process Management Lab (BCSE0533)	Merged as "Cloud and Business Process Management Lab(BCSE0536)"
Cloud Management Lab (BCSE0534)	

Cloud Security Lab (BCSE0535)	Replace by "Cloud Security, Backup & Disaster Recovery Lab (BCSE0537)"
Container Orchestration and Infrastructure Automation Lab (BCSE0538)	New Inclusion
DevOps Lab (BCSE0539)	New Inclusion

Agenda Item – 14.5: To consider and approve change in existing MCA Programme as per AICTE.

As per the AICTE Handbook 2020-21 the Norms for Duration, Entry Level Qualifications of MCA Programme is to be changed from session 2020-21. The experts and members of BoS approved the TWO years MCA Programme. enclosed as Annexure D.

Agenda Item – 14.6: To consider and approve inclusion of variant of following two subjects to cater the student diversity.
- BCSC0003: Database Management System
- BCSC0006: Data Structures & Algorithms

Variants:
- BCSC0014: Applied Database Management System
- BCSC0808: Applied Database Management System Lab
- BCSC0015: Applied Data Structures & Algorithms
- BCSC0809: Applied Data Structures & Algorithms Lab

The experts and members of BoS critically observed and approved the variant of these courses, enclosed as Annexure E.

Agenda Item – 14.7: To consider and approve the shifting of Compiler Design from core subject to programme elective to accommodate more Programme Electives.
The experts and members of BoS approved the changes.

Agenda Item – 14.8: To consider and approve revised syllabi for the courses in B.Tech (CSE), B.Tech (CCV), B.Tech (DA), B.Tech (CSF) and B.Tech (IoT) programmes.

All the members of BoS thoroughly checked and appraised the feedback received from the various stakeholders (Faculty/Employer/Student/Alumni) and the revision/modification in syllabus of existing courses of various programmes is proposed as follows.

Programme	No. of Courses under consideration for revision	Name of the Courses under consideration for revision
B.Tech (CSE)	11	• Computer Network • Computer Organization • Computer Organization Lab • Operating System • Operating System Lab • Database Management Systems • Database Management Systems Lab • Data Structure and Algorithms • Data Structure and Algorithms Lab • Software Engineering • Theory of Automata and Formal Languages
B.Tech (CSE) - CCV	11	• Computer Network • Computer Organization • Computer Organization Lab

		• Operating System • Operating System Lab • Database Management Systems • Database Management Systems Lab • Data Structure and Algorithms • Data Structure and Algorithms Lab • Software Engineering • Theory of Automata and Formal Languages
B.Tech (CSE) - DA	11	• Computer Network • Computer Organization • Computer Organization Lab • Operating System • Operating System Lab • Database Management Systems • Database Management Systems Lab • Data Structure and Algorithms • Data Structure and Algorithms Lab • Software Engineering • Theory of Automata and Formal Languages
B.Tech (CSE) - CSF	11	• Computer Network • Computer Organization • Computer Organization Lab • Operating System • Operating System Lab • Database Management Systems • Database Management Systems Lab • Data Structure and Algorithms • Data Structure and Algorithms Lab • Software Engineering • Theory of Automata and Formal Languages
B.Tech (CSE) - IoT	11	• Computer Network • Computer Organization • Computer Organization Lab • Operating System • Operating System Lab • Database Management Systems • Database Management Systems Lab • Data Structure and Algorithms • Data Structure and Algorithms Lab • Software Engineering • Theory of Automata and Formal Languages
B.Tech (CSE)-AIML	1	• Introduction to Artificial Intelligence

The experts and members of BoS approved the same. The details of revised syllabi enclosed in Annexure F.

Agenda Item – 14.9: To consider and approve courses imparting employability/skill development/ entrepreneurship in the B.Tech (CSE), B.Tech (CSE) - CCV, B.Tech (CSE) - DA, B.Tech (CSE) - CSF, B.Tech (CSE) - IoT, B.Tech (CSE) - AIML, B.Tech (CSE) – IIoT, BCA, MCA and M.Tech programmes.

The experts and members of BoS approved the same. The details enclosed in Annexure G.

Agenda Item – 14.10: To consider and approve introduction of new courses in the existing programmes.

Based on the feedback of various stakeholders (Faculty, Alumni, Corporate and Students) department present details of new courses to be introduced. After thorough discussion Board approved the same. The details enclosed in Annexure H.

Agenda Item – 14.11: To consider and approve course recommended by Training & Development Department

Training & Development Department of the University recommended to get the syllabus of one course approved in the Board of Studies Meeting of the department. Same was presented in front of the board. After due discussions, the board approved the same whose details are as follows:

Year & Semester	Code & Title of the Course
III Year, V Sem	BCTH 0105: Soft Skills - V

Agenda Item – 14.12: To consider and approve courses recommended by Research Cell of the University.

Research Cell of the University has recommended to get the syllabus of Research Methodology and Introduction of One New Course in Ph.D Programme approved in Board of Studies Meeting of the department, same was presented in front of the board. After due discussions board approved the same.
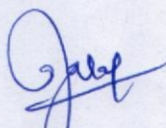
Agenda Item – 14.13: To consider and approve modification in one course and to introduce one new course in PhD Programme, as recommended by the Research Cell of the University.

Research Cell of the University recommended modification in the Syllabus of "Research Methodology" Course as well as recommended to introduce "Research and Publication Ethics" course in PhD Programme from the Session 2020-21. Syllabi of both the courses were duly considered by the board and subsequently approved. The details enclosed in Annexure I.

Agenda Item – 14.14: Any other item with the permission of chair.
No item has been reported.

The meeting ended with thanks to the Chair.

(A.S. Jalal)
Head, CEA

Copy to: Chairman, Academic Council, Registrar, All the members of BoS

ANNEXURE-G

Department: Computer Engineering and Applications

List of courses having focus on employability/ entrepreneurship/ skill development offered by the Department (2020-21)

S.No.	Name of the Course	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
1	Engineering Mathematics I	Employability/Skill Development
2	English Language Skills for Communication I	Employability/Skill Development
3	Basic Electrical Engineering	Employability
4	Electronics Engineering	Employability
5	Computer Programming	Employability
6	English Language Lab I	Employability/Skill Development
7	Electrical Engineering Lab	Employability
8	Electronics Lab I	Employability
9	Engineering Drawing Lab	Employability/Skill Development
10	Computer Programming Lab	Employability
11	Engineering Mathematics II	Employability/Skill Development
12	English Language Skills for Communication II	Employability/Skill Development
13	Basic Mechanical Engineering	Employability
14	Python Programming	Employability
15	English Language Lab II	Employability/Skill Development
16	Engineering Workshop Practice Lab	Employability/Skill Development
17	Python Programming Lab	Employability
18	Object Oriented Programming	Employability
19	Database Management System	Employability
20	Operating Systems	Employability
21	Computer Organization	Employability
22	Data Structures and Algorithms	Employability
23	Introduction to Microprocessors	Employability
24	Computer Networks	Employability
25	Software Engineering	Employability
26	Discrete Mathematics	Employability/Skill Development
27	Object Oriented Programming Lab	Employability
28	Database Management System Lab	Employability
29	Operating Systems Lab	Employability
30	Computer Organization Lab	Employability
31	Data Structures and Algorithms Lab	Employability
32	Microprocessors Lab	Employability
33	Soft Skills – I	Skill Development
34	Soft Skills – II	Skill Development
35	Introduction to Cyber security	Entrepreneurship
36	Disaster Management	Entrepreneurship
37	Basic course in Entrepreneurship	Entrepreneurship
38	Leadership and Organizational Behavior	Entrepreneurship
39	English for Professional Purpose – I	Employability/Skill Development
40	English for Professional Purpose – II	Employability/Skill Development
41	Ethics & Values	Entrepreneurship
42	Engineering Mathematics III	Employability/Skill Development
43	Theory of Automata & Formal Language	Employability

Department: Computer Engineering and Applications

List of courses having focus on employability/ entrepreneurship/ skill development offered by the Department (2020-21)

S.No.	Name of the Course	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
44	Design and Analysis of Algorithms	Employability
45	Design and Analysis of Algorithms Lab	Employability
46	Network Programming and Management	Employability
47	Principles of Mobile Computing	Employability
48	Ad Hoc Networks	Employability
49	Cryptography and Network Security	Employability
50	Cyber security and Digital Forensics	Employability
51	Information Coding Techniques	Employability
52	Network Programming and Management Lab	Employability
53	Cryptography and Network Security Lab	Employability
54	Information Coding Techniques Lab	Employability
55	Software Quality Engineering	Employability
56	Service Oriented Architecture	Employability
57	Agile Software Development	Employability
58	Software Project Management	Employability
59	Software Testing	Employability
60	Compiler Design	Employability
61	Digital Image Processing	Employability
62	Computer Graphics And Multimedia	Employability
63	Soft Computing	Employability
64	Artificial Intelligence	Employability
65	Machine Learning	Employability
66	Machine Learning And Its Applications	Employability
67	Digital Image Processing Lab	Employability
68	Soft Computing Lab	Employability
69	Machine Learning Lab	Employability
70	Machine Learning Project	Employability/Skill Development
71	Advanced Concepts in Database Systems	Employability
72	Data Mining and Warehousing	Employability
73	Business Intelligence	Employability
74	Information Retrieval System	Employability
75	Distributed and Parallel Databases	Employability
76	Natural Language Processing	Employability
77	Introduction to Big Data Analytics	Employability
78	Big Data Analytics	Employability
79	Data Mining and Warehousing Lab	Employability
80	Business Intelligence Lab	Employability
81	Big Data Analytics Lab	Employability
82	Business Intelligence Project	Employability/Skill Development
83	Big Data Analytics Project	Employability/Skill Development
84	Advanced Computer Architecture	Employability
85	Embedded System	Employability
86	Internet of Things	Employability

Department: Computer Engineering and Applications

List of courses having focus on employability/ entrepreneurship/ skill development offered by the Department (2020-21)

S.No.	Name of the Course	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
87	Internet of Things And Its Applications	Employability
88	Distributed System	Employability
89	Parallel Algorithms	Employability
90	Cloud Computing	Employability
91	Cloud Computing and Virtualization	Employability
92	Embedded System Lab	Employability
93	Internet of Things Lab	Employability
94	Parallel Algorithms Lab	Employability
95	Cloud Computing lab	Employability
96	Internet of Things Project	Employability/Skill Development
97	Cloud Computing And Virtualization Project	Employability/Skill Development
98	Full Stack Using Scripting Technologies	Employability
99	Full Stack Using Node JS	Employability
100	Full Stack Using C#.net	Employability
101	PHP - Scripting Language	Employability
102	Digital Marketing And Transformation	Employability
103	Full Stack Using Scripting Technologies Lab	Employability
104	Full Stack Using Node JS Lab	Employability
105	Full Stack Using C#.net Lab	Employability
106	PHP - Scripting Language Lab	Employability
107	Full Stack Using Scripting Technologies Project	Employability/Skill Development
108	Full Stack Using Node JS Project	Employability/Skill Development
109	Full Stack Using C#.net Project	Employability/Skill Development
110	PHP - Scripting Language Project	Employability/Skill Development
111	Mini Project – I	Employability/Skill Development
112	Mini Project – II	Employability/Skill Development
113	Project – Part I	Employability/Skill Development
114	Project – Part II	Employability/Skill Development
115	Industrial Training	Employability
116	Introduction to Bhagavad Gita	Entrepreneurship
117	Industrial Management	Employability
118	Soft Skills – III	Skill Development
119	Soft Skills – IV	Skill Development
120	Applied Database Management System	Employability
121	Applied Data Structures and Algorithms	Employability
122	Applied Database Management System Lab	Employability
123	Applied Data Structures and Algorithms Lab	Employability
124	Introduction to Open Source Software & Open Standards	Employability
125	Web Programming through PHP	Employability
126	Introduction to IT Infrastructure Landscape	Employability
127	Introduction to Virtualization and Cloud Computing	Employability

Department: Computer Engineering and Applications		
List of courses having focus on employability/ entrepreneurship/ skill development offered by the Department (2020-21)		
S.No.	Name of the Course	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
128	Cloud Computing Architecture & Deployment Models	Employability
129	Cloud and Business Process Management	Employability
130	Cloud Security, Backup & Disaster Recovery	Employability
131	Container Orchestration and Infrastructure Automation	Employability
132	Devops	Employability
133	Virtualization Lab	Employability
134	Cloud Deployment Lab	Employability
135	Cloud and Business Process Management Lab	Employability
136	Cloud Security, Backup & Disaster Recovery Lab	Employability
137	Container Orchestration and Infrastructure Automation Lab	Employability
138	DevOps Lab	Employability
139	Environmental Studies	Skill Development
140	Introduction to Business Analytics	Employability
141	Applied Statistical Analysis	Employability
142	Data Mining and Predictive Modeling	Employability
143	Data Warehouse & Multidimensional Modeling	Employability
144	Business Intelligence	Employability
145	Hadoop & Big Data Analytics	Employability
146	Social, Web & Mobile Analytics	Employability
147	Applied Statistical Analysis Lab	Employability
148	Data Mining Lab	Employability
149	Data Warehouse Lab	Employability
150	Business Intelligence Lab	Employability
151	Hadoop & Big Data Analytics Lab	Employability
152	Social, Web & Mobile Analytics Lab	Employability
153	Information Security Fundamentals	Employability
154	IT Systems Security and Physical Security	Employability
155	C PROGRAMMING Lab	Employability
156	IT Systems Security and Physical Security Lab	Employability
157	IT Application and Data Security	Employability
158	IT Network Security	Employability
159	Information Security Audit & Monitoring	Employability
160	Cloud Architecture and Deployment Models	Employability
161	IT business Continuity & Disaster Recovery	Employability
162	Digital Forensics	Employability
163	Ethical Hacking and Penetration Testing	Employability
164	IT Application and Data Security Lab	Employability
165	IT Network Security Lab	Employability
166	Information Security Audit & Monitoring Lab	Employability

	Department: Computer Engineering and Applications	
	List of courses having focus on employability/ entrepreneurship/ skill development offered by the Department (2020-21)	
S.No.	Name of the Course	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
167	Cloud Architecture and Deployment Models Lab	Employability
168	Digital Forensics lab	Employability
169	Ethical Hacking and Penetration Testing Lab	Employability
170	Introduction to Internet of Things	Employability
171	Sensor Technology & Instrumentation	Employability
172	Sensor Technology & Instrumentation Lab	Employability
173	Wireless Sensor Networks &IoT Standards	Employability
174	Wireless Sensor Networks &IoT Standards Lab	Employability
175	Descriptive Analytics for IoT	Employability
176	Ipv6 Analysis and Applications	Employability
177	Descriptive Analytics for IoT Lab	Employability
178	Big Data Analytics	Employability
179	IoT for Industries	Employability
180	Designer of Smarter Cities	Employability
181	Big Data Analytics Lab	Employability
182	Introduction to Artificial Intelligence	Employability
183	Introduction to Machine Learning	Employability
184	Algorithm for Intelligent Systems and Robotics	Employability
185	Introduction to IoT	Employability
186	IIOT Communication & Interface	Employability
187	Programming Logic Using 'C'	Employability
188	Fundamentals of Computer and IT	Employability
189	Introduction of Logical Circuit and Digital Design	Employability
190	Remedial English	Employability/Skill Development
191	Mathematics –I	Employability/Skill Development
192	Programming Lab	Employability
193	Information Technology Lab	Employability
194	Soft Skills – I	Skill Development
195	Data Structures using 'C'	Employability
196	Fundamental of Database Management System	Employability
197	Fundamentals of Operating Systems	Employability
198	Management Concepts & Practices	Employability
199	Mathematics –II	Employability/Skill Development
200	Data Structures using 'C' Lab	Employability
201	Database Management System Lab	Employability
202	Operating System Lab	Employability
203	English in Practice	Employability/Skill Development
204	Soft Skills – II	Skill Development
205	Object Oriented Programming	Employability
206	Computer Organization & Architecture	Employability
207	Introduction to Python	Employability

Department: Computer Engineering and Applications

List of courses having focus on employability/ entrepreneurship/ skill development offered by the Department (2020-21)

S.No.	Name of the Course	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
208	System Design & Software Engineering	Employability
209	Computer Networks & Communication	Employability
210	Programming in JAVA	Employability
211	GUI based Programming Using Visual Basic	Employability
212	Object Oriented Programming Lab	Employability
213	Python Programming Lab	Employability
214	Visual Basic Programming Lab	Employability
215	Programming in Java Lab	Employability
216	Web Technology	Employability
217	Web Technology Lab	Employability
218	Mini Project – I	Employability/Skill Development
219	Mini Project – II	Employability/Skill Development
220	Major Project	Employability/Skill Development
221	Advanced Database Management System	Employability
222	Enterprise Resource Planning	Employability
223	Software Project Management	Employability
224	Management Information System and E commerce	Employability
225	Digital Marketing & Transformation	Employability
226	Advanced Database Management System Lab	Employability
227	Digital Marketing & Transformation Lab	Employability
228	Introduction to Artificial Intelligence	Employability
229	Software Testing	Employability
230	Cyber Security	Employability
231	Data Mining & Warehousing	Employability
232	Discrete Structure & Graph Theory	Employability
233	Design and Analysis of Algorithms	Employability
234	Programming in Advanced Java	Employability
235	Introduction to Distributed System	Employability
236	Introduction to Cloud Computing	Employability
237	Introduction to Big Data	Employability
238	Introduction to Internet of Things	Employability
239	.Net Framework using VB.Net	Employability
240	Advanced Java Lab	Employability
241	Introduction to Big Data Lab	Employability
242	VB.Net Programming Lab	Employability
243	Optimization Methods	Employability
244	Environmental Studies	Skill Development
245	Effective Communication and Personality Development	Employability/Skill Development/Entrepreneurship
246	Professional Communication & Behavioral Grooming	Employability/Skill Development/Entrepreneurship
247	Soft Skills -III	Skill Development

Department: Computer Engineering and Applications

List of courses having focus on employability/ entrepreneurship/ skill development offered by the Department (2020-21)

S.No.	Name of the Course	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
248	Soft Skills -IV	Skill Development
249	Soft Skills -V	Skill Development
250	Theory of Computation	Employability
251	Software Engineering Methodologies	Employability
252	Advanced Concepts in Data Mining	Employability
253	Advanced Concepts in Networking	Employability
254	Probability and Stochastic Processes	Employability
255	Problem Solving Lab - I	Employability/Skill Development
256	Mobile Ad-hoc Networks	Employability
257	Intelligent Systems	Employability
258	Information Retrieval	Employability
259	Image Processing and Analysis	Employability
260	Design of Distributed Systems	Employability
261	Seminar-I	Skill Development
262	Seminar-II	Skill Development
263	Problem Solving Lab - II	Employability/Skill Development
264	Image Processing and Analysis Lab	Employability
265	Computer Vision	Employability
266	Wireless Sensor Networks	Employability
267	Software and Service Oriented Architecture	Employability
268	Pattern Recognition	Employability
269	High Performance Computing	Employability
270	Web Mining	Employability
271	Machine Learning	Employability
272	Dissertation I	Skill Development
273	Dissertation II	Skill Development
274	Fundamentals of Information Technology	Employability
275	Computer Programming	Employability
276	Computer Organization	Employability
277	Discrete Mathematics	Employability
278	Theory of Automata & Formal Language	Employability
279	Introduction to Microprocessors	Employability
280	Object Oriented Programming	Employability
281	Data Structures	Employability
282	Database Management System	Employability
283	Operating Systems	Employability
284	Computer Networks	Employability
285	Software Engineering	Employability
286	Design and Analysis of Algorithm	Employability
287	Web Technology	Employability
288	Distributed Systems	Employability
289	Fundamentals of Information Technology Lab	Employability
290	Computer Programming Lab	Employability

Department: Computer Engineering and Applications

List of courses having focus on employability/ entrepreneurship/ skill development offered by the Department (2020-21)

S.No.	Name of the Course	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
291	Computer Organization Lab	Employability
292	Microprocessors Lab	Employability
293	Problem Solving Lab	Employability/Skill Development
294	Object Oriented Programming Lab	Employability
295	Data Structures Lab	Employability
296	Database Management System Lab	Employability
297	Operating System Lab	Employability
298	Web Technology Lab	Employability
299	Principles of Mobile Computing	Employability
300	Ad Hoc Networks	Employability
301	Cryptography & Network Security	Employability
302	Cyber security and Digital Forensics	Employability
303	Agile Software Development	Employability
304	Software Project Management	Employability
305	Service Oriented Architecture	Employability
306	Management Information System	Employability
307	E-Commerce	Employability
308	Digital Image Processing	Employability
309	Introduction to Machine Learning	Employability
310	Soft Computing	Employability
311	Artificial Intelligence	Employability
312	Digital Image Processing Lab	Employability
313	Machine Learning Lab	Employability
314	Data Mining and Warehousing	Employability
315	Business Intelligence	Employability
316	Information Retrieval System	Employability
317	Big Data and Analytics	Employability
318	Internet of Things	Employability
319	Cloud Computing	Employability
320	Big Data and Analytics Lab	Employability
321	Internet of Things Lab	Employability
322	Cloud Computing Lab	Employability
323	.Net Framework using C#	Employability
324	Mobile Application Development	Employability
325	Digital Marketing and Transformation	Employability
326	Object Oriented Programming Using C++	Employability
327	Python Programming Lab	Employability
328	.Net Framework Lab	Employability
329	Mobile Application Development Lab	Employability
330	Object Oriented Programming Lab	Employability
331	Mini Project-I	Employability/Skill Development
332	Mini Project-II	Employability/Skill Development
333	Ethics & Values	Entrepreneurship

Department: Computer Engineering and Applications

List of courses having focus on employability/ entrepreneurship/ skill development offered by the Department (2020-21)

S.No.	Name of the Course	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
334	Accounting & Financial Management	Entrepreneurship
335	Soft Skills-I	Skill Development
336	Soft Skills-II	Skill Development
337	Engineering Physics	Employability
338	Engineering Chemistry	Employability
339	Engineering Physics Lab	Employability
340	Engineering Chemistry Lab	Employability
341	Research Methodology	Employability/Skill Development
342	Research and Publication Ethics	Employability/Skill Development