

Academic Year		2014-15	2015-16	2016-17	2017-18	2018-19
Total Courses	MCA	48	48	48	48	56

### 2014 - 2015

S.NO	Name of the Course	Course Code	Name of the Program	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction
1	Fundamentals of Computers	MCA101	MCA	Employability	2012(ANU)
2	Programming with C	MCA102	MCA	Skill development	2012(ANU)
3	Computer Organization	MCA103	MCA	Skill development	2012(ANU)
4	Discrete Mathematical Structures	MCA104	MCA	Skill development	2012(ANU)
5	Accountancy and Financial Management	MCA105	MCA	Skill development	2012(ANU)
6	PC Software Lab	MCA106	MCA	Skill development	2012(ANU)
7	C Programming Lab	MCA107	MCA	Skill development	2012(ANU)
8	Seminar	MCA108	MCA	Employability/Skill development	2012(ANU)
9	Language Processors	MCA201	MCA	Skill development	2012(ANU)
10	Data Base Management Systems	MCA202	MCA	Skill development	2012(ANU)
11	Data Structures using C++	MCA203	MCA	Skill development	2012(ANU)
12	Operating System Principles	MCA204	MCA	Employability	2012(ANU)
13	Probability & Statistics	MCA205	MCA	Employability, Entrepreneurship	2012(ANU)
14	Data Structures using C++ LAB	MCA206	MCA	Employability/Skill development	2012(ANU)
15	DBMS LAB	MCA207	MCA	Employability	2012(ANU)
16	Communication Skills	MCA208	MCA	Skill development	2012(ANU)
17	Object Oriented Programming through JAVA	MCA301	MCA	Skill development	2012(ANU)
18	Computer Networks	MCA302	MCA	Skill development	2012(ANU)
19	Operations Research	MCA303	MCA	Employability	2012(ANU)
20	Computer Graphics	MCA304	MCA	Skill development	2012(ANU)
21	Artificial Intelligence	MCA305	MCA	Employability/Skill development	2012(ANU)
22	Java Programming Lab	MCA306	MCA	Skill development	2012(ANU)
23	Unix Shell Programming LAB	MCA307	MCA	Employability	2012(ANU)
24	Seminar	MCA308	MCA	Employability	2012(ANU)
25	Principles of Programming Languages	MCA401	MCA	Employability	2012(ANU)
26	Object Oriented Modeling and Design Using UML	MCA402	MCA	Employability	2012(ANU)
27	Web Technologies	MCA403	MCA	Employability	2012(ANU)
28	Software Engineering	MCA404	MCA	Skill development	2012(ANU)
29	Grid and Cluster Computing	MCA405.1	MCA	Employability	2012(ANU)
30	Cryptography and Networks Security	MCA405.2	MCA	Employability	2012(ANU)
31	Simulation Modeling and Analysis	MCA405.3	MCA	Employability	2012(ANU)
32	Web Technologies Lab	MCA406	MCA	EMPLOYABILITY/SKILL DEVELOPMENT	2012(ANU)
33	Visual Programming Lab	MCA407	MCA	EMPLOYABILITY/SKILL DEVELOPMENT	2012(ANU)
34	Soft skills	MCA408	MCA	Employability/Skill development	2012(ANU)
35	Data Ware Housing and Data Mining	MCA501	MCA	Skill development	2012(ANU)
36	.Net Programming	MCA502	MCA	Employability/Skill development	2012(ANU)
37	Design and Analysis of Algorithms	MCA503	MCA	Employability/Skill development	2012(ANU)
38	Embedded Systems	MCA504.1	MCA	Employability/Skill development	2012(ANU)
39	Mobile Computing	MCA504.2	MCA	Employability/Skill development	2012(ANU)
40	Cloud Computing	MCA504.3	MCA	Employability	2012(ANU)
41	Image Processing	MCA505.1	MCA	Employability/Skill development	2012(ANU)
42	Microprocessors and Interfacing	MCA505.2	MCA	Employability	2012(ANU)
43	Web Engineering	MCA505.3	MCA	Employability	2012(ANU)
44	.Net Programming Lab	MCA 506	MCA	Employability/Skill development	2012(ANU)
45	Advanced Java Lab	MCA 507	MCA	employability	2012(ANU)
46	Seminar	MCA 508	MCA	entrepreneurship	2012(ANU)
47	Non - Core	#VALUE!	MCA	Entrepreneurship	2012(ANU)
48	Project Work	MCA601	MCA	Employability	2012(ANU)

### 2015 - 2016

1	Fundamentals of Computers	MCA101	MCA	Employability	2012(ANU)
2	Programming with C	MCA102	MCA	Skill development	2012(ANU)
3	Computer Organization	MCA103	MCA	Skill development	2012(ANU)
4	Discrete Mathematical Structures	MCA104	MCA	Skill development	2012(ANU)
5	Accountancy and Financial Management	MCA105	MCA	Skill development	2012(ANU)
6	PC Software Lab	MCA106	MCA	Skill development	2012(ANU)
7	C Programming Lab	MCA107	MCA	Skill development	2012(ANU)
8	Seminar	MCA108	MCA	Employability/Skill development	2012(ANU)

9	Language Processors	MCA201	MCA	Skill development	2012(ANU)
10	Data Base Management Systems	MCA202	MCA	Skill development	2012(ANU)
11	Data Structures using C++	MCA203	MCA	Skill development	2012(ANU)
12	Operating System Principles	MCA204	MCA	Employability	2012(ANU)
13	Probability & Statistics	MCA205	MCA	Employability, Entrepreneurship	2012(ANU)
14	Data Structures using C++ LAB	MCA206	MCA	Employability/Skill development	2012(ANU)
15	DBMS LAB	MCA207	MCA	Employability	2012(ANU)
16	Communication Skills	MCA208	MCA	Skill development	2012(ANU)
17	Object Oriented Programming through JAVA	MCA301	MCA	Skill development	2012(ANU)
18	Computer Networks	MCA302	MCA	Skill development	2012(ANU)
19	Operations Research	MCA303	MCA	Employability	2012(ANU)
20	Computer Graphics	MCA304	MCA	Skill development	2012(ANU)
21	Artificial Intelligence	MCA305	MCA	Employability/Skill development	2012(ANU)
22	Java Programming Lab	MCA306	MCA	Skill development	2012(ANU)
23	Unix Shell Programming LAB	MCA307	MCA	Employability	2012(ANU)
24	Seminar	MCA308	MCA	Employability	2012(ANU)
25	Principles of Programming Languages	MCA401	MCA	Employability	2012(ANU)
26	Object Oriented Modeling and Design Using UML	MCA402	MCA	Employability	2012(ANU)
27	Web Technologies	MCA403	MCA	Employability	2012(ANU)
28	Software Engineering	MCA404	MCA	Skill development	2012(ANU)
29	Grid and Cluster Computing	MCA405.1	MCA	Employability	2012(ANU)
30	Cryptography and Networks Security	MCA405.2	MCA	Employability	2012(ANU)
31	Simulation Modeling and Analysis	MCA405.3	MCA	Employability	2012(ANU)
32	Web Technologies Lab	MCA406	MCA	EMPLOYABILITY/SKILL DEVELOPMENT	2012(ANU)
33	Visual Programming Lab	MCA407	MCA	EMPLOYABILITY/SKILL DEVELOPMENT	2012(ANU)
34	Soft skills	MCA408	MCA	Employability/Skill development	2012(ANU)
35	Data Ware Housing and Data Mining	MCA501	MCA	Skill development	2012(ANU)
36	.Net Programming	MCA502	MCA	Employability/Skill development	2012(ANU)
37	Design and Analysis of Algorithms	MCA503	MCA	Employability/Skill development	2012(ANU)
38	Embedded Systems	MCA504.1	MCA	Employability/Skill development	2012(ANU)
39	Mobile Computing	MCA504.2	MCA	Employability/Skill development	2012(ANU)
40	Cloud Computing	MCA504.3	MCA	Employability	2012(ANU)
41	Image Processing	MCA505.1	MCA	Employability/Skill development	2012(ANU)
42	Microprocessors and Interfacing	MCA505.2	MCA	Employability	2012(ANU)
43	Web Engineering	MCA505.3	MCA	Employability	2012(ANU)
44	.Net Programming Lab	MCA 506	MCA	Employability/Skill development	2012(ANU)
45	Advanced Java Lab	MCA 507	MCA	employability	2012(ANU)
46	Seminar	MCA 508	MCA	entrepreneurship	2012(ANU)
47	Non - Core		MCA	Entrepreneurship	2012(ANU)
48	Project Work	MCA601	MCA	Employability	2012(ANU)

### 2016 - 2017

1	Fundamentals of Computers	MCA101	MCA	Employability	2012(ANU)
2	Programming with C	MCA102	MCA	Skill development	2012(ANU)
3	Computer Organization	MCA103	MCA	Skill development	2012(ANU)
4	Discrete Mathematical Structures	MCA104	MCA	Skill development	2012(ANU)
5	Accountancy and Financial Management	MCA105	MCA	Skill development	2012(ANU)
6	PC Software Lab	MCA106	MCA	Skill development	2012(ANU)
7	C Programming Lab	MCA107	MCA	Skill development	2012(ANU)
8	Seminar	MCA108	MCA	Employability/Skill development	2012(ANU)
9	Language Processors	MCA201	MCA	Skill development	2012(ANU)
10	Data Base Management Systems	MCA202	MCA	Skill development	2012(ANU)
11	Data Structures using C++	MCA203	MCA	Skill development	2012(ANU)
12	Operating System Principles	MCA204	MCA	Employability	2012(ANU)
13	Probability & Statistics	MCA205	MCA	Employability, Entrepreneurship	2012(ANU)
14	Data Structures using C++ LAB	MCA206	MCA	Employability/Skill development	2012(ANU)
15	DBMS LAB	MCA207	MCA	Employability	2012(ANU)
16	Communication Skills	MCA208	MCA	Skill development	2012(ANU)
17	Object Oriented Programming through JAVA	MCA301	MCA	Skill development	2012(ANU)
18	Computer Networks	MCA302	MCA	Skill development	2012(ANU)
19	Operations Research	MCA303	MCA	Employability	2012(ANU)
20	Computer Graphics	MCA304	MCA	Skill development	2012(ANU)
21	Artificial Intelligence	MCA305	MCA	Employability/Skill development	2012(ANU)
22	Java Programming Lab	MCA306	MCA	Skill development	2012(ANU)
23	Unix Shell Programming LAB	MCA307	MCA	Employability	2012(ANU)
24	Seminar	MCA308	MCA	Employability	2012(ANU)

25	Principles of Programming Languages	MCA401	MCA	Employability	2012(ANU)
26	Object Oriented Modeling and Design Using UML	MCA402	MCA	Employability	2012(ANU)
27	Web Technologies	MCA403	MCA	Employability	2012(ANU)
28	Software Engineering	MCA404	MCA	Skill development	2012(ANU)
29	Grid and Cluster Computing	MCA405.1	MCA	Employability	2012(ANU)
30	Cryptography and Networks Security	MCA405.2	MCA	Employability	2012(ANU)
31	Simulation Modeling and Analysis	MCA405.3	MCA	Employability	2012(ANU)
32	Web Technologies Lab	MCA406	MCA	EMPLOYABILITY/SKILL DEVELOPMENT	2012(ANU)
33	Visual Programming Lab	MCA407	MCA	EMPLOYABILITY/SKILL DEVELOPMENT	2012(ANU)
34	Soft skills	MCA408	MCA	Employability/Skill development	2012(ANU)
35	Data Ware Housing and Data Mining	MCA501	MCA	Skill development	2012(ANU)
36	.Net Programming	MCA502	MCA	Employability/Skill development	2012(ANU)
37	Design and Analysis of Algorithms	MCA503	MCA	Employability/Skill development	2012(ANU)
38	Embedded Systems	MCA504.1	MCA	Employability/Skill development	2012(ANU)
39	Mobile Computing	MCA504.2	MCA	Employability/Skill development	2012(ANU)
40	Cloud Computing	MCA504.3	MCA	Employability	2012(ANU)
41	Image Processing	MCA505.1	MCA	Employability/Skill development	2012(ANU)
42	Microprocessors and Interfacing	MCA505.2	MCA	Employability	2012(ANU)
43	Web Engineering	MCA505.3	MCA	Employability	2012(ANU)
44	.Net Programming Lab	MCA 506	MCA	Employability/Skill development	2012(ANU)
45	Advanced Java Lab	MCA 507	MCA	employability	2012(ANU)
46	Seminar	MCA 508	MCA	entrepreneurship	2012(ANU)
47	Non - Core	#VALUE!	MCA	Entrepreneurship	2012(ANU)
48	Project Work	MCA601	MCA	Employability	2012(ANU)

### 2017 - 2018

1	Problem Solving with C	CA111	MCA	Skill development	2017
2	Computer Organization	CA112	MCA	Skill development	2017
3	Operating Systems Principles	CA113	MCA	Skill development	2017
4	Discrete Mathematical Structures	CA114	MCA	Skill development	2017
5	Accountancy and Financial Management	CA115	MCA	Skill development	2017
6	PC Software Lab	CA151	MCA	Skill development	2017
7	C Programming Lab	CA152	MCA	Skill development	2017
8	Communication Skills Lab	CA153	MCA	Employability/Skill development	2017
9	Data Structures in Python	CA121	MCA	Skill development	2017
10	Data Base Management Systems	CA122	MCA	Skill development	2017
11	Computer Networks	CA123	MCA	Skill development	2017
12	Probability & Statistics	CA124	MCA	Employability	2017
13	Management Information Systems	CA125	MCA	Employability, Entrepreneurship	2017
14	Data Structures in Python Lab	CA161	MCA	Employability/Skill development	2017
15	DBMS Lab	CA162	MCA	Employability	2017
16	UNIX Shell Programming Lab	CA163	MCA	Skil development	2017
17	Object Oriented Programming through JAVA	MCA301	MCA	Skill development	2012(ANU)
18	Computer Networks	MCA302	MCA	Skill development	2012(ANU)
19	Operations Research	MCA303	MCA	Employability	2012(ANU)
20	Computer Graphics	MCA304	MCA	Skill development	2012(ANU)
21	Artificial Intelligence	MCA305	MCA	Employability/Skill development	2012(ANU)
22	Java Programming Lab	MCA306	MCA	Skill development	2012(ANU)
23	Unix Shell Programming LAB	MCA307	MCA	Employability	2012(ANU)
24	Seminar	MCA308	MCA	Employability	2012(ANU)
25	Principles of Programming Languages	MCA401	MCA	Employability	2016(ANU)
26	Object Oriented Modeling and Design Using UML	MCA402	MCA	Employability	2012(ANU)
27	Web Technologies	MCA403	MCA	Employability	2012(ANU)
28	Software Engineering	MCA404	MCA	Skill development	2012(ANU)
29	Grid and Cluster Computing	MCA405.1	MCA	Employability	2012(ANU)
30	Cryptography and Networks Security	MCA405.2	MCA	Employability	2012(ANU)
31	Simulation Modeling and Analysis	MCA405.3	MCA	Employability	2012(ANU)
32	Web Technologies Lab	MCA406	MCA	EMPLOYABILITY/SKILL DEVELOPMENT	2012(ANU)
33	Visual Programming Lab	MCA407	MCA	EMPLOYABILITY/SKILL DEVELOPMENT	2012(ANU)
34	Soft skills	MCA408	MCA	Employability/Skill development	2012(ANU)
35	Data Ware Housing and Data Mining	MCA501	MCA	Skill development	2012(ANU)
36	.Net Programming	MCA502	MCA	Employability/Skill development	2012(ANU)
37	Design and Analysis of Algorithms	MCA503	MCA	Employability/Skill development	2012(ANU)
38	Embedded Systems	MCA504.1	MCA	Employability/Skill development	2012(ANU)
39	Mobile Computing	MCA504.2	MCA	Employability/Skill development	2012(ANU)
40	Cloud Computing	MCA504.3	MCA	Employability	2012(ANU)
41	Image Processing	MCA505.1	MCA	Employability/Skill development	2012(ANU)
42	Microprocessors and Interfacing	MCA505.2	MCA	Employability	2012(ANU)
43	Web Engineering	MCA505.3	MCA	Employability	2012(ANU)
44	.Net Programming Lab	MCA 506	MCA	Employability/Skill development	2012(ANU)
45	Advanced Java Lab	MCA 507	MCA	employability	2012(ANU)
46	Seminar	MCA 508	MCA	entrepreneurship	2012(ANU)
47	Non - Core	#VALUE!	MCA	Entrepreneurship	2012(ANU)

48	Project Work	MCA601	MCA	Employability	2012(ANU)
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### 2018 - 2019

1	Problem Solving with C	CA111	MCA	Skill development	2017
2	Computer Organization	CA112	MCA	Skill development	2017
3	Operating Systems Principles	CA113	MCA	Skill development	2017
4	Discrete Mathematical Structures	CA114	MCA	Skill development	2017
5	Accountancy and Financial Management	CA115	MCA	Skill development	2017
6	PC Software Lab	CA151	MCA	Skill development	2017
7	C Programming Lab	CA152	MCA	Skill development	2017
8	Communication Skills Lab	CA153	MCA	Employability/Skill develop	2017
9	Data Structures in Python	CA121	MCA	Skill development	2017
10	Data Base Management Systems	CA122	MCA	Skill development	2017
11	Computer Networks	CA123	MCA	Skill development	2017
12	Probability & Statistics	CA124	MCA	Employability	2017
13	Management Information Systems	CA125	MCA	Employability, Entrepreneur	2017
14	Data Structures in Python Lab	CA161	MCA	Employability/Skill develop	2017
15	DBMS Lab	CA162	MCA	Employability	2017
16	UNIX Shell Programming Lab	CA163	MCA	Skil development	2017
17	Object Oriented Programming through JAVA	CA211	MCA	Skill development	2017
18	Web Technologies	CA212	MCA	Skill development	2017
19	Cryptography and Network Security	CA213	MCA	Employability	2017
20	Operations Research	CA214	MCA	Skill development	2017
21	Software Engineering	CA215	MCA	Employability/Skill develop	2017
22	Java Programming Lab	CA251	MCA	Skill development	2017
23	Web Technologies Lab	CA252	MCA	Employability	2017
24	Technical Seminar & Report Writing Lab	CA253	MCA	Employability	2017
25	.Net Programming	CA221	MCA	Employability	2017
26	Web Services	CA222	MCA	Employability	2017
27	Design and Analysis of Algorithms	CA223	MCA	Employability	2017
29	Artificial Intelligence	CA224(A)	MCA	Skill development	2017
30	Computer Graphics & Multimedia	CA224(B)	MCA	Employability	2017
31	Software Project Management	CA224(C)	MCA	Employability	2017
32	Logistics & Supply Chain Management	CA224(D)	MCA	Employability	2017
33	Open Source Systems	CA224(E)	MCA	EMPLOYABILITY/SKILL DEVE	2017
35	Embedded Systems	CA225(A)	MCA	EMPLOYABILITY/SKILL DEVE	2017
36	Image Processing using MATLAB	CA225(B)	MCA	Employability/Skill develop	2017
37	Object Oriented Modeling and Design using UN	CA225(C)	MCA	Skill development	2017
38	Advanced DBMS	CA225(D)	MCA	Employability/Skill develop	2017
39	Cyber Security	CA225(E)	MCA	Employability/Skill develop	2017
40	.Net Programming Lab	CA261	MCA	Employability/Skill develop	2017
41	Web Services Lab	CA262	MCA	Employability/Skill develop	2017
42	Soft Skills Lab	CA263	MCA	Employability	2017
43	Data Mining and Big Data	MCA501	MCA	Employability/Skill develop	2016(ANU)
44	.Net Programming	MCA502	MCA	Employability	2012(ANU)
45	Design and Analysis of Algorithms	MCA503	MCA	Employability	2012(ANU)
46	Embedded Systems	MCA504.1	MCA	Employability/Skill develop	2012(ANU)
47	Mobile Computing	MCA504.2	MCA	employability	2012(ANU)
48	Cloud Computing	MCA504.3	MCA	entrepreneurship	2016(ANU)
49	Image Processing	MCA505.1	MCA	Skill development	2012(ANU)
50	Microprocessors and Interfacing	MCA505.2	MCA	Employability	2012(ANU)
51	Web Engineering	MCA505.3	MCA	Employability	2012(ANU)
52	.Net Programming Lab	MCA 506	MCA	Employability/Skill develop	2012(ANU)
53	Data Mining And Hadoop Lab	MCA 507	MCA	Employability/Skill develop	2016(ANU)
54	Seminar	MCA 508	MCA	Employability/Skill develop	2012(ANU)
55	Non - Core	#VALUE!	MCA	Entrepreneurship	2012(ANU)
56	Project Work	MCA601	MCA	Employability	2012(ANU)