



ST. JOSEPH'S
COLLEGE OF ENGINEERING
AND TECHNOLOGY,
- PALAI -
AUTONOMOUS



MOOC LIST

MCA/ MCA(Integrated)

-2024 SCHEME-

List of Approved MOOC COURSES offered for MCA and MCA (Integrated)

www.sjcetpalai.ac.in



ST. JOSEPH'S
COLLEGE OF ENGINEERING
AND TECHNOLOGY.
- PALAI -
AUTONOMOUS



DEPARTMENT OF COMPUTER APPLICATIONS

The List of Approved MOOC COURSES offered for MCA (Two Year) and Integrated MCA (5 year)

SI No	Course ID	Discipline	Course Name	Institute	Duration
1	MCAM001	Computer Science and Engineering	Artificial Intelligence: Search Methods for Problem Solving	IITM	12 Weeks
2	MCAM002	Computer Science and Engineering	Cloud Computing	IITKGP	12 Weeks
3	MCAM003	Computer Science and Engineering	Computational Complexity	IIT Hyderabad	12 Weeks
4	MCAM004	Computer Science and Engineering	Computer Architecture and Organization	IITKGP	12 Weeks
5	MCAM005	Computer Science and Engineering	Cryptography and Network Security	IITKGP	12 Weeks
6	MCAM006	Computer Science and Engineering	Data Structure and Algorithms Using Java	IITKGP	12 Weeks
7	MCAM007	Computer Science and Engineering	Discrete Mathematics	IIT Ropar	12 Weeks
8	MCAM008	Computer Science and Engineering	Discrete Mathematics – IITB	IIIT Bangalore	12 Weeks
9	MCAM009	Computer Science and Engineering	Getting Started with Competitive Programming	IIT Gandhinagar	12 Weeks
10	MCAM010	Computer Science and Engineering	Introduction to Industry 4.0 and Industrial Internet of Things	IITKGP	12 Weeks
11	MCAM011	Computer Science and Engineering	Introduction to Internet of Things	IITKGP	12 Weeks
12	MCAM012	Computer Science and Engineering	Deep Learning – IIT Ropar	IIT Ropar	12 Weeks
13	MCAM013	Computer Science and Engineering	Deep Learning for Computer Vision	IITH	12 Weeks

14	MCAM014	Computer Science and Engineering	Design & Implementation of Human-Computer Interfaces	IITG	12 Weeks
15	MCAM015	Computer Science and Engineering	Introduction to Machine Learning	IITM	12 Weeks
16	MCAM016	Computer Science and Engineering	Operating System Fundamentals	IITKGP	12 Weeks
17	MCAM017	Computer Science and Engineering	Problem Solving Through Programming in C	IITKGP	12 Weeks
18	MCAM018	Computer Science and Engineering	Programming in Java	IITKGP	12 Weeks
19	MCAM019	Computer Science and Engineering	Programming in Modern C++	IITKGP	12 Weeks
20	MCAM020	Computer Science and Engineering	Reinforcement Learning	IITM	12 Weeks
21	MCAM021	Computer Science and Engineering	Social Network Analysis	IIITD	12 Weeks
22	MCAM022	Computer Science and Engineering	Social Networks	IIT Ropar	12 Weeks
23	MCAM023	Computer Science and Engineering	Software Engineering	IITKGP	12 Weeks
24	MCAM024	Computer Science and Engineering	Software Project Management	IITKGP	12 Weeks
25	MCAM025	Computer Science and Engineering	Software Testing	IIITB	12 Weeks
26	MCAM026	Computer Science and Engineering	The Joy of Computing using Python	IIT Ropar	12 Weeks
27	MCAM027	Mathematics	Foundations of R Software	IITK	12 Weeks
28	MCAM028	Mathematics	Introduction to Probability Theory and Statistics	IITD	12 Weeks
29	MCAM029	Multidisciplinary	Fundamentals of Artificial Intelligence	IITG	12 Weeks
30	MCAM030	Computer Science and Engineering	Big Data Computing	IIT Patna	8 Weeks
31	MCAM031	Computer Science and Engineering	Computer Graphics	IITG	8 Weeks
32	MCAM032	Computer Science and Engineering	Database Management System	IITKGP	8 Weeks

33	MCAM033	Computer Science and Engineering	Data Science for Engineers	IITM	8 Weeks
34	MCAM034	Computer Science and Engineering	Design and Analysis of Algorithms	CMI	8 Weeks
35	MCAM035	Computer Science and Engineering	Introduction to Haskell Programming	CMI	8 Weeks
36	MCAM036	Computer Science and Engineering	Introduction to Machine Learning – KGP	IITKGP	8 Weeks
37	MCAM037	Computer Science and Engineering	Introduction to Operating Systems	IITM	8 Weeks
38	MCAM038	Computer Science and Engineering	Machine Learning for Earth System Sciences	IITKGP	8 Weeks
39	MCAM039	Computer Science and Engineering	Object Oriented Analysis and Design	IITKGP	8 Weeks
40	MCAM040	Computer Science and Engineering	Programming, Data Structures and Algorithms Using Python	CMI	8 Weeks
41	MCAM041	Computer Science and Engineering	Scalable Data Science	IITKGP	8 Weeks
42	MCAM042	Computer Science and Engineering	Theory of Computation	IITK	8 Weeks
43	MCAM043	Management	Descriptive Statistics with R Software	IITK	8 Weeks
44	MCAM044	Multidisciplinary	Introduction to Research	IITM	8 Weeks
45	MCAM045	Computer Science and Engineering	Introduction to Programming in C	IITK	8 Weeks
46	MCAM046	Computer Science and Engineering	Programming, Data Structures and Algorithms Using Python	CMI	8 weeks
47	MCAM047	Computer Science and Engineering	Database Management System	IITKGP	8 weeks
48	MCAM048	Computer Science and Engineering	Design and Analysis of Algorithms	CMI	8 weeks
49	MCAM049	Computer Science and Engineering	Machine Learning (ML)	KTH Royal Institut	8 weeks
50	MCAM050	Computer Science and Engineering	Data Science for Engineers	IITM	8 weeks
51	MCAM051	Computer Science and Engineering	Data Mining	IITKGP	12 week

52	MCAM052	Computer Science and Engineering	Cloud Computing	IITKGP	12 weeks
53	MCAM053	Computer Science and Engineering	Cloud Computing and Distributed Systems	IITK	8 weeks
54	MCAM054	Computer Science and Engineering	Foundation of Cloud IoT Edge ML	IITP	12 weeks
55	MCAM055	Computer Science and Engineering	Introduction to Soft Computing	IITKGP	8 weeks
56	MCAM056	Computer Science and Engineering	User-centric Computing for Human-Computer Interaction	IITG	8 weeks
57	MCAM057	Multidisciplinary	Introduction to Research	IITM	8 weeks
58	MCAM058	Computer Science and Engineering	Discrete Mathematics	IIT Ropar	12 weeks
59	MCAM059	Mathematics	Probability and Statistics	IITKGP	12 weeks
60	MCAM060	Computer Science and Engineering	Getting Started with Competitive Programming	IIT Gandhinagar	12 weeks
61	MCAM061	Computer Science and Engineering	Problem Solving Through Programming in C	IITKGP	12 weeks
62	MCAM062	Computer Science and Engineering	Programming in Modern C++	IITKGP	12 weeks
63	MCAM063	Computer Science and Engineering	Programming in Java	IITKGP	12 weeks
64	MCAM064	Computer Science and Engineering	The Joy of Computing using Python	IIT Ropar	12 weeks
65	MCAM065	Computer Science and Engineering	Introduction to Database Systems	IITM	12 weeks
66	MCAM066	Computer Science and Engineering	Introduction to Machine Learning	IITM	12 weeks
67	MCAM067	Computer Science and Engineering	Data Analytics with Python	IITR	12 weeks
68	MCAM068	Computer Science and Engineering	Deep Learning	IITKGP	12 weeks
69	MCAM069	Computer Science and Engineering	Deep Learning - IIT Ropar	IIT Ropar	12 weeks
70	MCAM070	Computer Science and Engineering	Reinforcement Learning	IITM	12 weeks

71	MCAM071	Computer Science and Engineering	Introduction to Internet of Things	IITKGP	12 weks
72	MCAM072	Computer Science and Engineering	An Introduction to Artificial Intelligence	IITD	12 weeks
73	MCAM073	Computer Science and Engineering	Artificial Intelligence: Knowledge Representation and Reasoning	IITM	12 weeks
74	MCAM074	Computer Science and Engineering	Social Networks	IIT Ropar	12 weeks
75	MCAM075	Computer Science and Engineering	Privacy and Security in Online Social Media	IIITH	12 weeks
76	MCAM076	Computer Science and Engineering	Ethical Hacking	IITKGP	12 weeks
77	MCAM077	Computer Science and Engineering	Object Oriented System Development Using UML, Java and Patterns	IITKGP	12 weeks
78	MCAM078	Computer Science and Engineering	Computer Networks and Internet Protocol	IITKGP	12 weeks
79	MCAM079	Computer Science and Engineering	Advanced Computer Networks	IIT Indore / IIT Ga	12 weeks
80	MCAM080	Computer Science and Engineering	Advanced Computer Architecture	IITD	12 weeks
81	MCAM081	Computer Science and Engineering	Compiler Design	IITKGP	12 weeks
82	MCAM082	Computer Science and Engineering	Blockchain and its Applications	IITKGP	12 weeks
83	MCAM083	Computer Science and Engineering	Introduction to Industry 4.0 and Industrial Internet of Things	IITKGP	12 weeks
84	MCAM084	Statistics	Predictive Analytics – Regression and Classification	CMI	12 weeks
85	MCAM085	Mathematics	Essentials of Data Science with R Software – 1	IITK	12 weeks
86	MCAM086	Mathematics	Essentials of Data Science with R Software – 2: Sampling	IITK	12 weeks
87	MCAM087	Computer Science and Engineering	Artificial Intelligence for Economics	IIT Kharagpur	8 weeks
88	MCAM088	Computer Science and Engineering	Advanced Distributed Systems	IIT Delhi	12 weeks
89	MCAM089	Computer Science and Engineering	Human-Computer Interaction	IIIT Delhi	12 weeks

90	MCAM090	Computer Science and Engineering	Foundations of Virtual Reality	IIT Madras	12 weeks
91	MCAM091	Computer Science and Engineering	Scalable Data Science	IIT Kharagpur	8 weeks
92	MCAM092	Computer Science and Engineering	Applied Accelerated AI	IIT Guwahati, NVI	12 weeks
93	MCAM093	Computer Science and Engineering	Deep Learning for Computer Vision	IIT Hyderabad	12 weeks
94	MCAM094	Computer Science and Engineering	Second Level Algorithms	IIT Kharagpur	12 weeks
95	MCAM095	Computer Science and Engineering	Parameterized Algorithms	IIT Gandhinagar /	12 weeks
96	MCAM096	Mathematics	Introduction to Algebraic Graph Theory	IIT Indore	8 weeks
97	MCAM097	Computer Science and Engineering	Social Network Analysis	IIIT Delhi	12 weeks
98	MCAM098	Computer Science and Engineering	Responsible and Safe AI Systems	IIIT Hyderabad, IIT	12 weeks
99	MCAM099	Computer Science and Engineering	Reinforcement Learning	IIT Madras	12 weeks
100	MCAM100	Computer Science and Engineering	Cyber Security and Privacy	IIT Madras	12 weeks
101	MCAM101	Computer Science and Engineering	Privacy and Security in Online Social Media	IIIT Hyderabad	12 weeks
102	MCAM102	Computer Science and Engineering	Software Project Management	IIT Kharagpur	12 weeks
103	MCAM103	Computer Science and Engineering	Software Testing	IIIT Bangalore	12 weeks
104	MCAM104	Computer Science and Engineering	Secure Computation: Part II	IIIT Bangalore	12 weeks
105	MCAM105	Computer Science and Engineering	Cloud Computing	IIT Kharagpur	12 weeks
106	MCAM106	Computer Science and Engineering	Design & Implementation of HCI	IIT Guwahati	12 weeks
107	MCAM107	Computer Science and Engineering	Computer Graphics	IIT Guwahati	8 weeks
108	MCAM108	Computer Science and Engineering	Introduction to Large Language Models	IIT Delhi	12 weeks

109	MCAM109	Computer Science and Engineering	Introduction to Internet of Things	IIT Kharagpur	12 weeks
110	MCAM110	Computer Science and Engineering	Approximation Algorithm	IIT Kharagpur	12 weeks
111	MCAM111	Computer Science and Engineering	Computer Architecture and Organization	IIT Kharagpur	12 weeks
112	MCAM112	Computer Science and Engineering	Real-Time Systems	IIT Kharagpur	12 weeks
113	MCAM113	Computer Science and Engineering	Algorithmic Game Theory	IIT Kharagpur	12 weeks
114	MCAM114	Computer Science and Engineering	Hardware Modeling using Verilog	IIT Kharagpur	8 weeks
115	MCAM115	Mathematics	Linear Algebra Through Geometry	IISc Bangalore	12 weeks
116	MCAM116	Mathematics	Introduction to Abstract Group Theory	CMI	8 weeks
117	MCAM117	Mathematics	Regression Analysis	IISER Pune	12 weeks
118	MCAM118	Mathematics	Complex Analysis	Kerala School of N	12 weeks
119	MCAM119	Mathematics	Mathematical Methods in Physics – 2	IISER Bhopal	8 weeks
120	MCAM120	Mathematics	Measure and Integration	IMSc	12 weeks
121	MCAM121	Mathematics	Combinatorics	IIT Madras	12 weeks
122	MCAM122	Mathematics	Numerical Methods	IIT Roorkee	8 weeks
123	MCAM123	Mathematics	Matrix Analysis with Applications	IIT Roorkee	8 weeks
124	MCAM124	Mathematics	Advanced Calculus for Engineers	IIT Kharagpur	12 weeks
125	MCAM125	Mathematics	Probability Theory for Data Science	IIT Tirupati	12 weeks
126	MCAM126	Mathematics	Introduction to Fuzzy Set Theory, Arithmetic and Logic	IIT Delhi	12 weeks
127	MCAM127	Mathematics	Calculus for Economics, Commerce and Management	IIT Bombay	8 weeks

128	MCAM128	Mathematics	EXCELing with Mathematical Modeling	IIT Roorkee	12 weeks
129	MCAM129	Mathematics	Introduction to Methods of Applied Mathematics	IIT Delhi	12 weeks
130	MCAM130	Mathematics	Category Theory	IIT Kanpur	12 weeks
131	MCAM131	Mathematics	Measure Theoretic Probability 1	IIT Kanpur	8 weeks
132	MCAM132	Mathematics	Ordinary Differential Equations	IIT Kanpur	12 weeks
133	MCAM133	Multidisciplinary	Research Methodology	IIT Madras	8 weeks