INTERNATIONAL INSTITUTE OF PROFESSIONAL STUDIES
DEVI AHILYA UNIVERSITY, INDORE
Scheme
MCA (5 Years) Programme

MCA SEMESTER I

SUB. CODE	SUBJECT NAME	Credits
IC-101A	Mathematics-I	**4**
IC-103B	Digital Electronics	**4**
IC-104C	Problem solving using 'C'	**4**
IC-106C	English & Communicative Skills	**4**
IC-105	PC Software	**4**
IC-107E	Problem solving using 'C' Lab	**2**
IC-110C	PC S/W Lab	**2**
IC-111B	DE Lab	**2**
	Comprehensive Viva	**4**

MCA SEMESTER II

SUB.CODE	SUBJECT NAME	Credits
IC-205C	Object Oriented Programming Using C++	**4**
IC-202C	Internet & Web programming	**4**
IC-204B	Digital Computer Organization	**4**
IC-201	Mathematics–II	**4**
IC-206D	Hindi	**4**
IC-209D	Oops Lab using C++	**2**
IC-210E	IWP Lab	**2**
	Comprehensive Viva	**4**

MCA SEMESTER III

SUB. CODE	SUBJECT NAME	Credits
IC-311A	DBMS	**4**
IC-305C	Data Structures	**4**
IC-314	Probability and Statistics	**4**
IC-315	Financial Accounting	**4**
IC-312A	Chemistry &Environment Science	**4**
IC-308A	DBMS Lab	**2**
IC-307D	Data Structures Lab	**2**
	Comprehensive Viva	**4**

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MCA SEMESTER IV

SUB. CODE	SUBJECT NAME	Credits
IC-403D	Programming with Java	**4**
IC-402A	Discrete Mathematics	**4**
IC-405A	Unix OS	**4**
IC-401C	Data & Computer Communication	**4**
IC-406D	Entrepreneurship	**4**
IC-408C	Programming with Java Lab	**2**
IC-411C	Unix OS Lab	**2**
	Comprehensive Viva	**4**

MCA SEMESTER V

SUB. CODE	SUBJECT NAME	Credits
IC-504A	System Programming	**4**
IC-501D	Programming with Python	**4**
IC-502C	Introduction to Data Science	**4**
IC-503A	Computer Graphics & Multimedia	**4**
IC-512B	Computer Oriented Numerical Methods	**4**
IC-507E	Python Lab	**2**
IC-508E	Computer Graphics & Multimedia Lab	**2**
	Comprehensive Viva	**4**

MCA SEMESTER VI

SUB.CODE	SUBJECT NAME	Credits
IC-601	Introduction to Cloud Computing	**4**
IC-602	Human Computer Interface	**4**
IC-604	Operating Systems	**4**
IC-603	System Analysis& design	**4**
IC-606	Android Programming lab	**2**
IC-605	Project	**4**
	Comprehensive Viva	**4**

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MCA SEMESTER VII

SUB. CODE	SUBJECT NAME	Credits
IC-702B	Computer Networks	4
IC-701	Computer Architecture	4
IC-703C	Artificial Intelligence	4
IC-702A	Design &Analysis Of Algorithms	4
IC-704B	Software Engineering	4
IC-709D	Artificial Intelligence Lab	2
IC-709B	Design &Analysis Of Algorithms Lab	2
	Comprehensive Viva	4

MCA SEMESTER VIII

SUB.CODE	SUBJECT NAME	Credits
IC-801B	Mobile& Wireless Computing	4
IC-812A	Soft Computing	4
IC-812	Theory of Computation	4
IC-811B	Data Mining& Warehousing	4
IC-802B	Enterprise Computing Technique	4
IC-810D	ECT Lab	2
IC-813	M&WC Lab	2
	Comprehensive Viva	4

MCA SEMESTER IX

SUB. CODE	SUBJECT NAME	Credits
IC-905A	Object Oriented Analysis & Design	4
IC-904A	Multimedia Systems	4
IC-901A	Compiler Design	4
IC-908A	Cloud Computing	4
IC-909A	ITPM	4
IC-912B	OOAD Lab	2
IC-915	Multimedia Systems lab	2
	Comprehensive Viva	4

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MCA X

SUB. CODE	SUBJECT NAME	Credits
IC-1001	Industry Project	**12**

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