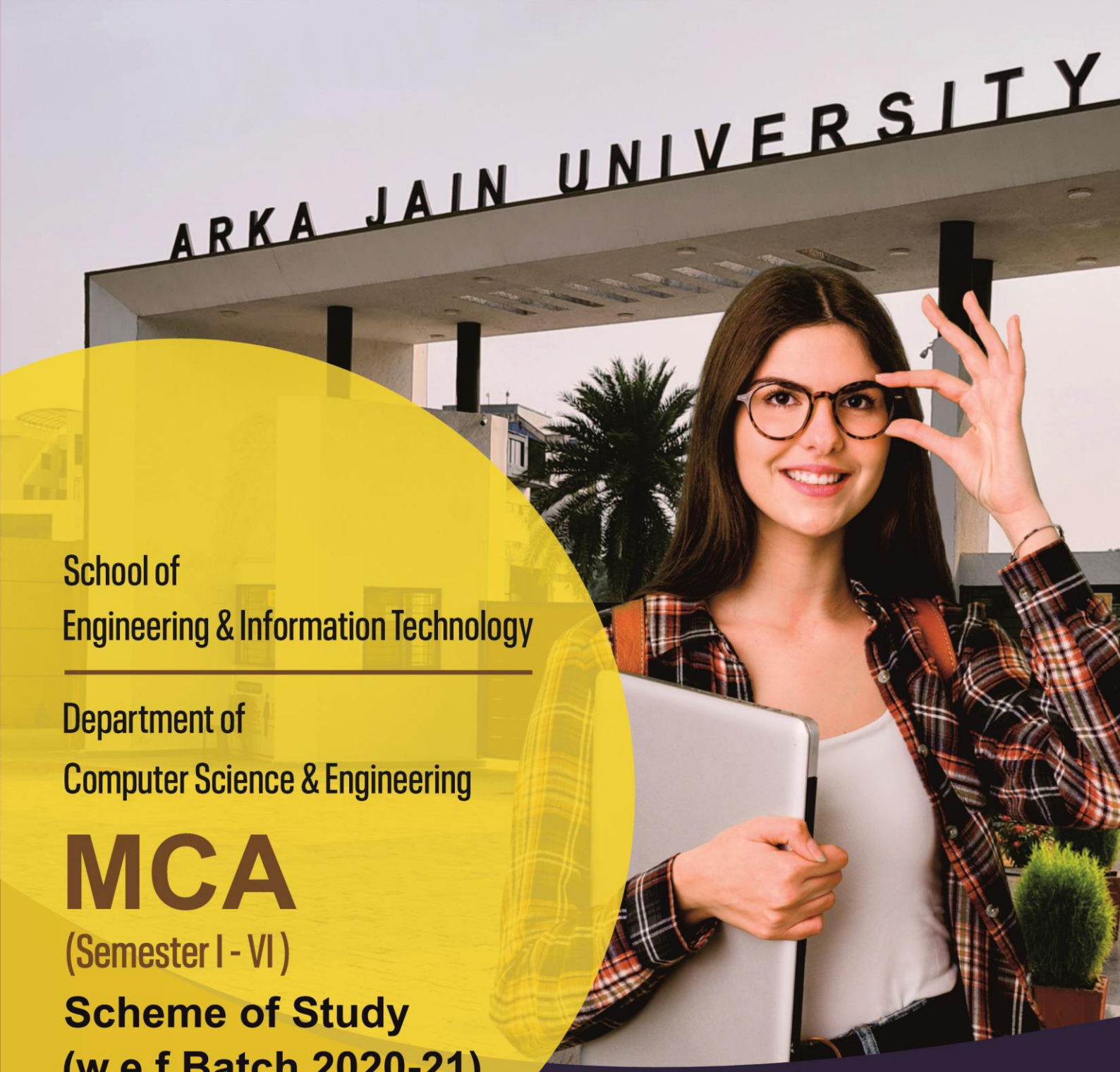


School of
Engineering & Information Technology

Department of
Computer Science & Engineering

MCA

(Semester I - VI)

Scheme of Study
(w.e.f Batch 2020-21)

JGI

ARKA JAIN University
Jharkhand (Jamshedpur)

Approved in the 16th Academic Council Meeting held on dated 25th November 2020

SEMESTER –I

Name of the Subject	Type of Paper	Credit	Contact Hours Per Week	Total Marks	End Term Theory/ Practical Exam	Mid Term Theory/ Practical Exam	CIA *	Attendance
Basics of Programming Languages	PCC	4	4	100	70	20	5	5
Discrete Mathematics	PCC	4	4	100	70	20	5	5
Operating System with Linux	PCC	4	4	100	70	20	5	5
Object Oriented Programming with Java	PCC	4	4	100	70	20	5	5
Research Methodology& IPR	PCC	4	4	100	70	20	5	5
Professional Communication	SDA	4	4	100	70	20	5	5
Programming Language Lab	PCC	2	4	50	35	10	2.5	2.5
Linux Lab	PCC	2	4	50	35	10	2.5	2.5
Java Lab	PCC	2	4	50	35	10	2.5	2.5
Total		**30**	**36**	**750**	**525**	**150**	**37.5**	**37.5**

SEMESTER –II

Name of the Subject	Type of Paper	Credit	Contact Hours Per Week	Total Marks	End Term Theory/ Practical Exam	Mid Term Theory/ Practical Exam	CIA *	Attendance
Data Structures	PCC	4	4	100	70	20	5	5
Computer Networks	PCC	4	4	100	70	20	5	5
Web Technologies	PCC	4	4	100	70	20	5	5
Database Management System	PCC	4	4	100	70	20	5	5
Software Engineering	PCC	4	4	100	70	20	5	5
Elective I	PEC	4	4	100	70	20	5	5
Data Structures Lab	PCC	2	4	50	35	10	2.5	2.5
Web Technologies Lab	PCC	2	4	50	35	10	2.5	2.5
DBMS Lab with Mini Project	PCC	2	4	50	35	10	2.5	2.5
Total		**30**	**36**	**750**	**525**	**150**	**37.5**	**37.5**

SEMESTER –III

Name of the Subject	Type of Paper	Credit	Contact Hours Per Week	Total Marks	End Term Theory/ Practical Exam	Mid Term Theory/ Practical Exam	CIA *	Attendance
Advanced Java	PCC	4	4	100	70	20	5	5
Data Analytics using Python	PCC	4	4	100	70	20	5	5
Internet of Things	PCC	4	4	100	70	20	5	5
Design & Analysis of Algorithms	PCC	4	4	100	70	20	5	5
Elective II	PEC	4	4	100	70	20	5	5
Advanced Java Lab	PCC	2	4	50	35	10	2.5	2.5
Data Analytics Lab	PCC	2	4	50	35	10	2.5	2.5
IoT Lab with Mini Project	PCC	2	4	50	35	10	2.5	2.5
Total		**26**	**32**	**650**	**455**	**130**	**32.5**	**32.5**

SEMESTER –IV

Name of the Subject	Type of Paper	Credit	Contact Hours Per Week	Total Marks	End Term Theory/ Practical Exam	Mid Term Theory/ Practical Exam	CIA *	Attendance
Mobile Application Programming	PCC	4	4	100	70	20	5	5
Elective III	PEC	4	4	100	70	20	5	5
Mobile Application Programming Lab	PCC	2	4	50	35	10	2.5	2.5
Project	PCC	16		300	200	100	0	0
Total		**26**	**12**	**550**	**375**	**150**	**12.5**	**12.5**