



Department of Computer Science & Information Technology
Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)
SYLLABUS FOR MCA 2 YEAR DEGREE COURSE

Effective from Session 2020-21

Semester 1

Sl.no	Subject Code	Title	Credit		Marks		Credits
			L	P	Internal	External	
1	MCA-101	Operating System	4		40	60	4
2	MCA-102	Artificial Intelligence	4		40	60	4
3	MCA-103	Relational Data Base Management Systems	4		40	60	4
4	MCA-104	Elective I	4		40	60	4
5	MCA-105	Elective II	4		40	60	4
6	MCA-106	RDBMS LAB		2		100	2
7	MCA-107	LAB based on Elective -I / II		2		100	2
		Total	20	04	200	500	26

Semester 2

Sno	Subject Code	Title	Credit		Marks		Credits
			L	P	Internal	External	
1	MCA-201	Design and Analysis of Algorithm	4		40	60	4
2	MCA-202	Software Engineering	4		40	60	4
3	MCA-203	Optimization Techniques	4		40	60	4
	MCA-204	Elective III	4		40	60	4
	MCA-205	Elective IV	4		40	60	4
6	MCA-206	LAB based on III / IV		2		100	2
7	MCA-207	Minor Project		2		100	2
		Total	20	04	200	500	26



Semester 3

Sl.no	Subject Code	Title	Credit		Marks		Credits
			L	P	Internal	External	
1	MCA-301	Machine Learning	4		40	60	4
2	MCA-302	Computer Graphics and Multimedia	4		40	60	4
3	MCA-303	Data Mining and Data Warehousing	4		40	60	4
4	MCA-304	Elective V	4		40	60	4
5	MCA-305	Elective VI	4		40	60	4
6	MCA-306	Lab based on V / VI		2			2
7	MCA-307	Minor Project		2		100	2
		Total	20	04	200	500	26

Semester 4

Sl.no	Subject Code	Title	Credit		Marks		Credits
			L	P	Internal	External	
1	MCA-401	Major Project	-	-	-	500	22
		Total	-	-	-	-	22

Electives

Sl.No	Paper Code	(1)	(2)	(3)
1	MCA-104(Elective-I)	Advanced JAVA Programming	Probability and Statistics	Linux Operating System and Shell Programming
2	MCA-105(Elective-II)	Computer Network	Mobile Application Programming	V.B.Net Programming
3	MCA-204(Elective-III)	E-Commerce	Cloud Computing	Neural networks and Deep Learning
4	MCA-205(Elective-IV)	Web Technology	Image Processing	Pattern Recognition
5	MCA-304(Elective-V)	Big Data Analytics	Advanced Operating System	Data Science using Python
6	MCA-305(Elective-VI)	Compiler Design	Network Security	Parallel processing



This is to certify that following students are done the Project in MCA:

PARIMAL DAS	http://new.ggu.ac.in/attachments/attachments/department/08162022050806_project1 - _Parimal_Das_1_16.08.22_dMmAYfu.pdf
PRASHANT KESHARWANI	http://new.ggu.ac.in/attachments/attachments/department/08162022050916_project2 Prashant kesharwani 16.08.22 PIPoXlv.pdf
RAGINI CHOUHAN	http://new.ggu.ac.in/attachments/attachments/department/08162022051026_project3 - _RAGINI_CHOUHAN_MCA_16.08.22_7kZ4Vkl.pdf
JAY SINGH	http://new.ggu.ac.in/attachments/attachments/department/08162022051340_project7 - JAYSINGH- MCA 16.08.22 G7uWbgm.pdf
SANGEETA DHIWAR	http://new.ggu.ac.in/attachments/attachments/department/08162022051426_project8 - _Sangeeta_Dhiwar_MCA_16.08.22_00Ypp97.pdf
SHASHANK KARMAKAR	http://new.ggu.ac.in/attachments/attachments/department/08162022051537_project9- _SHASHANK_KARMAKAR_MCA_16.08.22_LV3JhHP.pdf
YASEERA KHAN	http://new.ggu.ac.in/attachments/attachments/department/08162022051618_project10- _YASEERA_KHAN_MCA_16.08.22_l6qNLPh.pdf
RENU BAKSHI	http://new.ggu.ac.in/attachments/attachments/department/08162022051706_project11 - _RENU_BAKSHI_MCA_16.08.22_nk7HqDe.pdf
MANOJ SAHU	http://new.ggu.ac.in/attachments/attachments/department/08162022051842_project13 - _Manoj_Sahu_MCA_16.08.22_67YHbts.pdf
DIVYAVATI	http://new.ggu.ac.in/attachments/attachments/department/08162022051932_project14 - _DIVYAVATI_MCA_16.08.22_DfGopYK.pdf
KIRTAN LAL	http://new.ggu.ac.in/attachments/attachments/department/08162022052133_project16 - _KIRTAN_LAL_MCA_16.08.22_JWM7kqs.pdf
RANJEET PRAJAPATI	http://new.ggu.ac.in/attachments/attachments/department/08162022052511_project20 RANJEET PRAJAPATI MCA 16.08.22 2_Etz3KFC.pdf

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 क्र. 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर - 495009 (छ.ग.)



Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur - 495009 (C.G.)

RAKSHANDA MAKHIJA	http://new.ggu.ac.in/attachments/attachments/department/08162022052555_project21 - _Rakshanda Makhija MCA 16.08.22 BMEYfxk.pdf
ABHISHEK DADHICH	http://new.ggu.ac.in/attachments/attachments/department/08162022052632_project22- _Abhishek Dadhich 16.08.22 JHtD6lD.pdf

Karens

**HEAD
DEPT OF CSIT
G.G.V. BILASPUR (C.G.)**