

Mahakaushal University, Jabalpur (M.P.)



Scheme & Syllabus **For** **B.Sc (Information Technology)** **with Research/honors Faculty of** **Computer Science and Applications** **2022-23**

Duration of Course: 4 Years
Examination Mode: Semester
Examination System: CBCS

Mahakaushal University
Village-Aithakheda, Mukunwara Road, Post-Tilwara
Jabalpur(M.P.)482003



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Credit Distribution

SEMESTERSYSTEM						Credits Required					
			Sem	MJ	MI	DSE	GEC/ OEC	AECC	SEC SB/VB	FW	Total Credit
Level5	Certificate	1 st Year Pass (SemI+SemII)	I	6	6		4	4			20
			II	6	6		4	4			20
Level6	Diploma	2 nd Year Pass (SemIII+SemIV)	III	6	6		4		4		20
			IV	6	6		4		4		20
Level7	Degree	3 rd Year Pass (SemV+SemVI)	V	6		4			4	6	20
			VI	6		8				6	20
Level8	Honors/ Research	4 th YearPass (SemVII+SemVIII)	VII	6	4	4				6	20
			VIII	6	4					10	20
	Total Credit			48	32	16	16	8	12	28	160

SEMESTERSYSTEM			Credits Required							
			MJ	MI	DSE	GEC/ OEC	AECC	SEC SB/VB	FW	Total Credit
Level5	Certificate	1 st Year Pass	12	12		8	8			40
Level6	Diploma	2 nd Year Pass	12	12		8		8		40
Level7	Degree	3 rd Year Pass	12		12			4	12	40
Level8	Honors/ Research	4 th Year Pass	12	8	4				16	40
Total Credit			48	32	16	16	8	12	28	160

For Regular Students Course Duration:

Min. Years for Completing UG Degree	3 Years
Min Years for Completing UG(Hons.)Degree	4 Years
Maximum Years for Completing UG Degree	6 Years
Max Years for Completing UG(Hons.)Degree	8 Years


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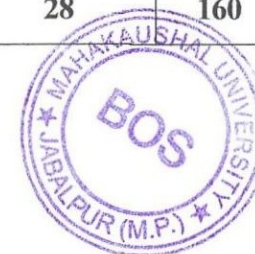

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Faculty of Computer Application									
Major/Minor: B.sc (IT)									
Sem	Major	Minor	DSE	Open Elective/ Generic Elective	AECC	SEC		FW	Total Credits
						Skill Based	ValueBased		
1	MJ-I(4+2)	MN-I(4+2)		OEC-I (4)	AECC-I(4)				20
2	MJ-II(4+2)	MN-II (4+2)		OEC-II(4)	AECC-II(4)				20
3	MJ-III(4+2)	MN-III (4+2)		OEC-III(4)		SECSB-I(4)			20
4	MJ-IV(4+2)	MN-IV (4+2)		OEC-IV (4)		SECSB-II(4)			20
5	MJ-V(4+2)		DSE-I(4)				SECVB (4)	FieldWork (6)	20
6	MJ-VI(4+2)		DSE-II(4) DSE-III (4)					Internship (6)	20
7	MJ-VII(4+2)	MN-V(4)	DSE-IV(4)					Minor Project(6)	20
8	MJ-VIII(4+2)	MN-VI (4)						Major Research Project(10)	20
Total Credits	48	32	16	16	8	8	4	28	160

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Major/Minor

Course Code	Category	Paper	Credits
BBIT0101T	MJ	PROGRAMMING IN C	4
BBIT0101P	MJ	PROGRAMMING IN C Lab	2
BBIT0102T	MN	PC PACKAGES	4
BBIT0102P	MN	PC PACKAGES Lab	2
BBIT0201T	MJ	OBJECT ORIENTED PROGRAMMING WITH C++	4
BBIT0201P	MJ	C++ Lab	2
BBIT0202T	MN	DISCRETE MATHEMATICS	6
BBIT0301T	MJ	Object Oriented Concepts using JAVA	4
BBIT0301P	MJ	JAVA Lab	2
BBIT0302T	MN	COMPUTER GRAPHICS	4
BBIT0302T	MN	COMPUTER GRAPHICS LAB	2
BBIT0401T	MJ	DIGITAL ELECTRONICS AND COMPUTER ORGANIZATION	4
BBIT0401P	MJ	DIGITAL ELECTRONICS LAB	2
BBIT0402T	MN	MACHINE LEARNING TECHNIQUES	4
BBIT0402T	MN	MACHINE LEARNING LAB	2
BBIT0501T	MJ	PYTHON PROGRAMMING	4
BBIT0502P	MJ	PYTHON PROGRAMMING LAB	2
BBIT0601T	MJ	WEB PROGRAMMING AND PHP	4
BBIT0601P	MJ	WEB PROGRAMMING AND PHP LAB	2
BBIT0701T	MJ	ASSEMBLY LANGUAGE PROGRAMMING	4
BBIT0701T	MJ	ASSEMBLY LANGUAGE LAB	2
BBIT0702T	MN	OPTIMIZATION TECHNIQUE	3
BBIT0702P	MN	OPTIMIZATION TECHNIQUE LAB	1
BBIT0801T	MJ	FREE AND OPEN SOURCE SOFTWARES (FOSS)	4
BBIT0801P	MJ	FREE AND OPEN SOURCE SOFTWARES LAB	2
BBIT0801T	MN	MOBILE APPLICATION DEVELOPMENT	3
BBIT0802P	MN	MOBILE APPLICATION DEVELOPMENT LAB	1

Department Specific Elective

BBIT0101D-T	DSE	DIGITAL MARKETING ANALYSIS	4
BBIT0102D-T	DSE	CLOUD SERVICES FOR IOT	4
BBIT0103D-T	DSE	AUGMENTED REALITY & VIRTUAL REALITY	4
BBIT0104D-T	DSE	Mobile Computing	4
BBIT0105D-T	DSE	Statistics and Data Analytics	4
BBIT0106D-T	DSE	CYBER FORENSIC ANALYTICS	4
BBIT0107D-T	DSE	SOCIAL NETWORK ANALYTICS	4
BBIT0108D-T	DSE	HIGH DIMENSIONAL	4

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Skill Enhancement Course (Skill Based) (Any Two)

Course Code	Category	Paper	Credits
BBIT0101SB-T	SEC-SB	INTERNET OF THINGS	4
BBIT0102SB-T	SEC-SB	ETHICAL HACKING	4
BBIT0103SB-T	SEC-SB	PREDICTIVE MODELING ANALYSIS	4
BBIT0104SB-T	SEC-SB	SOCIAL NETWORK ANALYTICS	4
BBIT0105SB-T	SEC-SB	HIGH-DIMENSIONAL DATA ANALYSIS	4

Open Elective Compulsory Course/Generic Elective Compulsory Course

Course Code	Category	Paper	Credits
OECC0101-T	OECC	Fundamental of Computer	4
OECC0102-T	OECC	Environmental Studies	4
OECC0103-T	OECC	Entrepreneurship	4
OECC0104-T	OECC	Principle of Management	4
OECC0105-T	OECC	Nutrition and Fitness	4
OECC0106-T	OECC	Current Concerns in Public Health Nutrition	4
OECC0107-T	OECC	Travel and Tourism	4
OECC0108-T	OECC	Tourism Operation Software Skills	4

Ability Enhancement Compulsory Course

Course Code	Category	Paper	Credits
AECC0101-T	AECC	English Language-I	4
AECC0102-T	AECC	English Language-II	4

Skill Enhancement Course(Value Based)(Any One)

Course Code	Category	Paper	Credits
SECVB0101-T	SEC-VB	Constitution of India	4
SECVB0102-T	SEC-VB	Yoga in life	4
SECVB0103-T	SEC-VB	National Service Scheme(NSS)	4
SECVB0104-T	SEC-VB	Health & Wellness	4
SECVB0105-T	SEC-VB	Sports	4

Course Code	Category Paper	Credits
ENVT0101-T	Environmental Education	

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Field Work

Course Code	Category	Paper/Description	Credits
BFWF-0501	FW	Field work is the process of observing and collecting data about people, cultures, and natural environments.	6
BFWI-0601	FW	The aim of the internship provides a direction to the activities, helps to focus on a result, and to assess the result achieved.	6
BFWP-0701	FW	The objective of the minor project is to provide an opportunity for students to undertake short research training outside the classroom to solve real-world issues.	6
BFWR-0801	FW	Project objectives describe the desired outcome of a project, which is often a tangible object. It's beneficial to create objectives for your project because creating a specific goal for you help everyone know what they're supposed to be working toward.	10

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