Study &Evaluation Scheme

Of

Bachelor of Computer Application

(With Specialization in **Mobile Application& Web**

Technology)

(In Collaboration with iNurture)
[Applicable w.e.f. Academic Session - 2019-20 till revised]
[As per CBCS guidelines given by UGC]

COLLEGE OF COMPUTING SCIENCES & INFORMATION

TECHNOLOGY

TEERTHANKER MAHAVEERUNIVERSITY

N.H.-24, Delhi Road, Moradabad, UttarPradesh-244001

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S.No.	Type of Course	Credit Hours	Total Credits
BCA(MAWT) : Three-Year (6-Semester) CBCS Programme		
Basic Structure: Distribution of Courses		
1	Core Course (CC)	10 Courses of 3 credits each (10 X 3) 9 Courses of 4 credits each (9 X 4)	66
2	Ability-Enhancement Compulsory Course (AECC)	7 Courses of 3 credits each(7 X 3) 1 Course of 1 credit(1 X 1)	22
3	Skill-Enhancement Electve Course (SEC)	1 Course of 4 credit (1 X 4) 1 Course of 10 credit (1 X 10)	14
4	Open/Generic Elective Course (GEC)	2 Courses of3 Credit Hrs. each (2 X 3)	6
5	Program/Discipline Specific Elective Course (DSEC)	4 Courses of 3 Credit Hrs each (4 X 3)	12
6	Laboratory Course(LC)	6 Courses of 2 credits each(6 X 2) 4 Courses of 1 credit each(4 X 1)	16
7	Value Added Audit Course (VAAC)	2 Courses of 0 Credit Hrs. each (Total Credit Hrs. 4X0)	0
	Total Credits		136

Contact hours include work relatedto Lecture, Tutorial and Practical (LTP), where our institution will have flexibility to decide course wise requirements.

B. Choice Based Credit System (CBCS)

Choice Based Credit System (CBCS) is a versatile and flexible option for each student to achieve his target number of credits as specified by the UGC and adopted by our University.

The following is the course module designed for the BCA(MAWT) program:

Core Course (CC): Core courses of BCA(MAWT) program will provide a holistic approach to technical education, giving students an overview of the field, a basis to build and specialize upon. These core courses are the strong foundation to establish technical knowledge and provide broadmulti-disciplined knowledge can be studied further in depth during the elective phase.

The core courses will provide more practical-based knowledge, case-based lessons andcollaborative learning models. It will train the students to analyze, decide, and lead-rather than merely know-whilecreating a common student experience that can foster deep understanding, develop decision-making ability and contribute to the business and community at large.

A wide range of core courses provides groundwork in the basic technical disciplines: cloud technology, web technology ,programming languages ,information security , organizational behavior etc.

The integrated foundation isimportant for students because it will not only allow them to build upon existing skills, but they can also explorecareer options in a range of industries, and expand their understanding of various business fields.

We offer core courses in semester I, II , III,IV.V & VI during the BCA(MAWT) program.

*Ability Enhancement Compulsory Course (AECC):*As per the guidelines of Choice Based Credit System (CBCS) for all Universities, including the private Universities, the Ability Enhancement Compulsory Course (AECC) is a course designed to develop the ability of students in communication (especially English) and other related courses where they might find it difficult to communicate at a higher level in their prospective job at a later stage due to lack of practice and exposure in the language, etc. Students are motivated to learn the theories, fundamentals and tools of communication which can help them develop and sustain in the corporate environment and culture.

*Skill Enhancement Course:*This course will be helpful to students to provide value-based and/or skill-based knowledge.We offer two SECs- one each in V Semester & VI Semester.

Open/Generic Elective Course (GEC): Open/Generic Elective is an interdisciplinary additional subject that is compulsory in the fifth and sixth semester of a program. The score of Generic Elective is counted in your overall aggregate marks under Choice Based Credit System (CBCS). Each Generic Elective paper will be of 3 Credits . Each student has to take Open/Generic Electives from department other than the parent department. Core / Discipline Specific Electives will not be offered as Generic Electives.

*Value Added Audit Course (VAC):*A value added audit course is a non-credit course which is basically meant to enhance general ability of students in areas like soft skills, quantitative aptitude and reasoning ability - required for the overall development of a student and at the same time crucial for industry/corporate demands and requirements. The student possessing these skills will definitely develop acumen to perform well during the recruitment process of any premier organization and will have the desired confidence to face the interview. Moreover, these skills are also essential in day-to-day life of the corporate world. The aim is to nurture every student for making effective communication, developing aptitude and a general reasoning ability for a better performance,as desired in corporate world. There shall be one course each in Semester I & Semester II and will carry no credit, however, it will be compulsory for every student to pass these courses with minimum 45% marks to be eligible for the certificate. These marks will not be included in the calculation of CGPI. Students have to specifically be registered in the specific course of the respective semesters.

Program/Discipline Specific Elective Course (DSEC): The discipline specific elective courseis chosen to make students specialist or having specialized knowledge of a specific domain like Mobile applications and Web Technology etc. It will be covered in three semesters (IV,V& VI) of second year and third year of the program relevant to chosen disciplines of core courses of the program. Each student will have to choose four discipline specific elective courses (DSECs) ; 1 in Semester IV and 1 in Semester V and 2 in semester VI .

C. Programme Specific Outcomes (PSOs)
The learning and abilities or skills that a student would have developedby the end of three -year BCA(MAWT):

PSO – 1	Understanding the facts of basic computer technical knowledge to move for further domain specific courses
PSO – 2	Applying the facts and rules for problem-solving skills and the knowledge of computer application to solve real world problems related with the Mobile applications and web technologies.
PSO – 3	Analyzing the various Mobile/Web application reports and break down the information into components parts for complete analysis.
PSO – 4	Analyzing the facts of non-technical skills necessary to enable their successful transition into corporate roles

BCA(MAWT) -Semester V

S. No.	Course Type	Course Code	Course	Periods			Credits	Evaluation Scheme		
				L	T	P		Internal	External	Total
1	CC-16	IMW508	Cross-Platform Application Development	3	1	0	4			100
2	CC-17	IMW505	Professional Android Application Development	3	0	0	3	40	60	100
3	CC-18	IMW503	Web Analytics	3	1	0	4	40	60	100
4	LC-8	IMW552	Professional Android Application Development(Lab)	0	0	4	2	50	50	100
5	AECC-8	IMW554	Industrial Training Seminar	0	0	2	1	50	50	100
6	SEC-1	IMW553	Mini Project(Lab)	0	0	8	4	50	50	100
7	LC-9	IMW554	Cross-Platform Application Development LAB	0	0	4	2	50	50	100
8	DSE-2	IMW502 IMW509		3	0	0	3	40	60	100
9	OE-1			3	0	0	3			100
				15	2	1	26	400	500	900

Value Added Course*

S.N	Category code	Course Code	Course Name	Periods			Credit	Scheme		
				L	T	P		Internal	External	Total
1	VAC-II	TMUGS-555	Managing Work and Others	2	1	0	0	40	60	100

*Value Added Courses (VAC) is an audit course. The result of this course will not be added to overall result of the programme. However, it will be compulsory to pass the course with minimum 45% including both faculty continuous & end semester examination.

Registrar

BCA(MAWT) -Semester VI

S. No.	Course Type	Course Code	Course	Periods			Credits	Evaluation Scheme		
				L	T	P		Internal	External	Total
1	CC-19	IMW603	Basic iOS Application Development	3	1	0	4			
2	LC-10	IMW652	Basic iOS Application Development (Lab)	0	0	2	1			
3	DSE-3	IMW601		3	0	0	3	40	60	100
		IMW602								
4	DSE-4	IMW607		3	0	0	3	40	60	100
		IMW605								
5	OE-2		Open Elective-II	3	0	0	3			100
6	SEC-2	IMW651	Major Project	0	0	20	10	50	50	100
			Total	12	1	22	24	260	340	600