



BRAINWARE UNIVERSITY
SCHOOL OF COMPUTATIONAL & APPLIED SCIENCES
DEPARTMENT OF COMPUTATIONAL SCIENCES

Bachelor in Computer Application in Mobile Application and Web Technology /
Bachelor in Computer Application in Mobile Application and Web Technology (HONOURS) /
Bachelor in Computer Application in Mobile Application and Web Technology (HONOURS with RESEARCH) -2024

SEMESTER – I

Sl. No.	Course Code	Course	L	T	P	Evaluation Scheme		Total	Credits	Course Type
						CIA	ESE			
1	BMT19101	HTML and CSS Lab	0	0	4	40	60	100	2	Major
2	BMT19102	Programming in C Lab	0	0	4	40	60	100	2	Major
3	BMT17201	Digital Logic	3	0	2	40	60	100	4	Minor
4	BMT10001	Mathematics and Numerical Methods	3	0	0	40	60	100	3	IC
5	AEC00005	Functional English	2	0	0	40	60	100	2	AEC
6	BMT10002	Soft Skills	3	0	0	40	60	100	3	SEC
7	VAC00007	Human Values and Ethics	2	0	0	40	60	100	2	VAC
8	VAC00012	Problem-Solving Methodologies	2	0	0	40	60	100	2	VAC
TOTAL			15	0	10	320	480	800	20	

SEMESTER – II

Sl. No.	Course Code	Course	L	T	P	Evaluation Scheme		Total	Credits	Course Type
						CIA	ESE			
1	BMT27103	Object Oriented Programming in JAVA	2	0	4	40	60	100	4	Major
2	BMT20202	Operating System	4	0	0	40	60	100	4	Minor
3	BMT20002	Client Side Scripting Lab	1	0	4	40	60	100	3	SEC
4	BMT20001	Discrete Mathematical Structure	3	0	0	40	60	100	3	IC
5	AEC00002	Communicative English	2	0	0	40	60	100	2	AEC
6	VAC00006	Environmental Studies	2	0	0	40	60	100	2	VAC
7	VAC00003	Computer Architecture	2	0	0	40	60	100	2	VAC
			16	0	8	280	420	700	20	



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SEMESTER – III

Sl. No.	Course Code	Course	L	T	P	Evaluation Scheme		Total	Credits	Course Type
						CIA	ESE			
1	BMT37104	Database Management System	3	0	2	40	60	100	4	Major
2	BMT37105	PHP Programming	2	0	4	40	60	100	4	Major
3	BMT30203	E-Commerce Technology	4	0	0	40	60	100	4	Minor
4	BMT30002	Artificial Intelligence	3	0	0	40	60	100	3	SEC
5	BMT30001	Vedic Mathematics	3	0	0	40	60	100	3	IC
6	AEC09003	Communicative English Lab	0	0	4	40	60	100	2	AEC
Total			15	0	10	240	360	600	20	

SEMESTER – IV

Sl. No.	Course Code	Course	L	T	P	Evaluation Scheme		Total	Credits	Course Type
						CIA	ESE			
1	BMT40106	Data Structure and Algorithm	3	0	0	40	60	100	3	Major
2	BMT49107	Data Structure and Algorithm Lab	0	0	4	40	60	100	2	Major
3	BMT47108	Advance Java	2	0	2	40	60	100	3	Major
4	BMT47109	Android Mobile Application Lab - I	1	0	4	40	60	100	3	Major
5	BMT47110	Python Programming	2	0	2	40	60	100	3	Major
6	BMT40204	Sustainability in Indian Knowledge System	4	0	0	40	60	100	4	Minor
7	AEC00006	Modern Indian Language A. Hindi B. Bengali C. Alternative English	2	0	0	40	60	100	2	AEC
Total			14	0	12	280	420	700	20	



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SEMESTER –V

Sl. No.	Course Code	Course	L	T	P	Evaluation Scheme		Total	Credits	Course Type
						CIA	ESE			
1	BMT57111	MongoDB Lab	2	0	2	40	60	100	3	Major
2	BMT57112	Machine Learning	3	0	2	40	60	100	4	Major
3	BMT59113	Node JS Lab	0	0	4	40	60	100	2	Major
4	BMT50114	Software Engineering	3	0	0	40	60	100	3	Major
5	BMT59115	PHP Framework with Laravel Lab	0	0	4	40	60	100	2	Major
6	BMT50205	Computer Network	3	1	0	40	60	100	4	Minor
7	BMT58001	Project-I	0	0	0	40	60	100	2	IAPC
Total			11	1	12	280	420	700	20	

SEMESTER – VI

Sl. No.	Course Code	Course	L	T	P	Evaluation Scheme		Total	Credits	Course Type
						CIA	ESE			
1	BMT67116	MEAN Stack Development using Angular JS	2	0	4	40	60	100	4	Major
2	BMT60117	IT Enabled Services and Entrepreneurship	4	0	0	40	60	100	4	Major
3	BMT69118	Android Mobile Application Lab - II	0	0	4	40	60	100	2	Major
4	BMT67119	MERN Stack Development using React JS	2	0	4	40	60	100	4	Major
5	BMT68120	Project-II	0	0	0	40	60	100	2	Major
6	BMT60206	Cloud Computing	4	0	0	40	60	100	4	Minor
Total			12	0	12	240	360	600	20	



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SEMESTER – VII

Sl. No.	Course Code	Course	L	T	P	Evaluation Scheme		Total	Credits	Course Type
						CIA	ESE			
1	BMT70121	Research Methods in Computer Science	4	0	0	40	60	100	4	Major
2	BMT70122	Distributed Database	4	0	0	40	60	100	4	Major
3	BMT70123	Client Server Computing	4	0	0	40	60	100	4	Major
4	BMT70124	Formal Language and Automata Theory	4	0	0	40	60	100	4	Major
5	BMT77207	Image Processing	3	0	2	40	60	100	4	Minor
Total			19	0	2	200	300	500	20	

SEMESTER – VIII (Honours)

Sl. No.	Course Code	Course	L	T	P	Evaluation Scheme		Total	Credits	Course Type
						CIA	ESE			
1	BMT80126H	Compiler Design	4	0	0	40	60	100	4	Major
2	BMT80127H	Block Chain Technology	4	0	0	40	60	100	4	Major
3	BMT87128H	Pattern Recognition	3	0	2	40	60	100	4	Major
4	BMT88129H	Project	0	0	0	40	60	100	4	Major
5	BMT87208H	Soft Computing	3	0	2	40	60	100	4	Minor
TOTAL			14	0	4	200	300	500	20	

SEMESTER – VIII (Research)

Sl. No.	Course Code	Course	L	T	P	Evaluation Scheme		Total	Credits	Course Type
						CIA	ESE			
1	BMT80126R	Natural Language Processing	3	1	0	40	60	100	4	Major
2	BMT80208R	Virtual Reality and Augmented Reality	3	1	0	40	60	100	4	Minor
3	BMT88001R	Research Project	0	0	0	40	60	100	12	RPC
Total			6	2	0	120	180	300	20	