



Post Graduates Schema (For batch 2025 onwards)



**M. Tech. (Computer Science and Engineering)
M. Tech. (Information and Cyber Security)
(Department of Computer Science and Engineering)**

**M. Tech. (Information Technology)
M. Tech. (Wireless Networks and Computing)
(Department of Information Technology)**

**M. Tech. (IC Design and Technology)
M. Tech. (Autonomous Systems and Machine Intelligence)
(Department of Electrical and Electronics Engineering)**

**M.S. (Artificial Intelligence and Data Science)
(Department of Engineering Science)**

**Master of Business Administration
(Department of Management Studies)**

Dual Degree (M.Tech. and PhD)

**ATAL BIHARI VAJPAYEE-
INDIAN INSTITUTE OF INFORMATION TECHNOLOGY AND MANAGEMENT,
GWALIOR (MADHYA PRADESH)
(AN INSTITUTE OF NATIONAL IMPORTANCE, MINISTRY OF EDUCATION, GOVT. OF INDIA)**

Schema
M. Tech.
(Wireless Networks and Computing)



Department of Information Technology



विश्वजीवनमृतं ज्ञानम्

**ABV-Indian Institute of Information
Technology & Management, Gwalior**

SCHEMA

Name of the program: M. Tech. (Wireless Networks and Computing)

(Credits: 74)

Name of the Department: Information Technology

SEMESTER-I				
S. No.	Subject Code	Title of the course	L-T-P	Credits
1.	IT 601	Probability and stochastic process	3-1-0	4
2.	IT 602	Wireless Networks	3-0-0	3
3.	IT 608	Machine Learning Techniques	3-0-2	4
4.	IT 604	Modelling and simulation	3-0-0	3
5.	IT 6XX	Elective - I	3-0-0	3
6.	IT 6XX	Elective – II	3-0-0	3
			Total	20

SEMESTER-II				
S. No.	Subject code	Title of the course	L-T-P	Credits
1.	IT 606	Next Generation Networks	3-0-0	3
2.	IT 607	Graphs and Networks	3-0-0	3
3.	IT 603	Mobile Computing	3-0-0	3
4.	IT 609	Engineering Research Methodology	2-1-0	3
5.	IT 6XX	Elective-III	3-0-0	3
6.	IT 6XX	Elective-IV/MOOC	3-0-0	3
			Total credits	18

EXIT AFTER YEAR-1: Post Graduate Diploma in Wireless Networks and Computing

SEMESTER-III				
S. No.	Subject code	Title of the course	L-T-P	Credits
1	IT 6XX	Elective-V/MOOC-II	3-0-0	3
2	IT 698	M.Tech. Dissertation Part-I	0-0-30	15
			Total credits	18

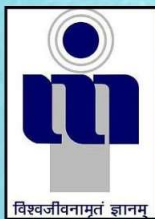
SEMESTER-IV				
S. No.	Subject Code	Title of the course	L-T-P	Credits
1	IT 699	M.Tech. Dissertation Part-II	0-0-36	18
			Total credits	18

SEMESTER-I	SEMESTER-II	SEMESTER-III	SEMESTER-IV	TOTAL CREDITS
20	18	18	18	74

Electives Courses

S.No.	Code	List of Electives
1	IT 611	Network Design and Optimization
2	IT 612	Grid and Peer-To-Peer Computing
3	IT 613	Cloud Computing and Security
4	IT 614	Iot Protocols and Security
5	IT 615	High Speed Network
6	IT 616	Machine Vision
7	IT 617	Nature Inspired Computing
8	IT 618	Computer Graphics and Multimedia
9	IT 619	Advance Machine Learning
10	IT 620	Special Topics in AI
11	IT 621	Information Theory and Coding
12	IT 622	Detection and Estimation Theory
13	IT 623	Adaptive Signal Processing
14	IT 624	Queuing Theory
15	IT 625	Digital Signal Processing
16	IT 626	Modern Cryptography
17	IT 627	Cognitive Radio
18	IT 628	Digital Watermarking and Steganalysis
19	IT 629	Game Theory and its Application

*Department electives may be added or deleted with the approval of a departmental recommendation by the DoAA.



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