



JSPM UNIVERSITY PUNE
Faculty of Science and Technology (FST)
School of Computational Sciences
Course Structure: B. Tech. Second Year
(Computer Science and Engineering, Artificial Intelligence and
Machine Learning, Data Science, Information Technology)

Semester – III

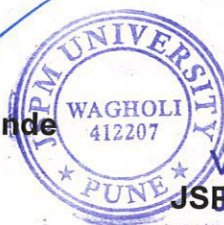
Level 5

(For Lateral Entry Students)

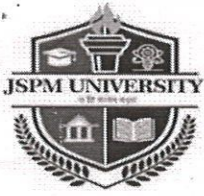
Sr. No.	Course Type	Course Code	Course Name	Teaching Scheme (Hrs. per week)				Examination and Marking Scheme			Credits
				L	T	P	EL	TH	PR	OR	
01	BSC	230GMAL01_03	Linear Algebra and Univariate Calculus	3	1	-	-	100	-	-	4
02	PCC	230GCSB10_03	Data Structures and Algorithms using "C"	3	-	-	2	100	-	-	3.5
03	PCC	230GCSB06_03	Digital Logic Design	3	-	-	-	100	-	-	3
04	PCC	230GCSB07_03	Principles of Programming Languages	3	-	-	-	100	-	-	3
05	MMC	230GETB09_03	Wireless Sensor Network	1	-	2	-	-	50	50	2
06	IOC	230GETB10_03	Fundamentals of Signals and Systems	2	-	-	-	100	-	-	2
07	VSC	230IDCB01_03	Design Thinking and Creativity	1	-	-	2	-	-	50	1.5
08	AEC (HSMC)	230UENB01_03	Effective Communication Skills	1	-	2	-	50	-	-	2
09	LC	230GCSB11_03	Data Structures and Algorithms using "C" Lab	-	-	2	-	-	50	-	1
10	LC	230GCSB08_03	Principles of Programming Languages Lab	-	-	2	-	-	50	-	1
Total Academic Engagement and Credits				17	1	8	4	550	150	100	23
				26				800			

Dr. A. S. Deshpande
Academic Coordinator
FST

Dr. R. S. Deshpande
Dean
FST



Dr. B. B. Ahuja
Wice Chancellor
JSPM University Pune
Pune



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Semester – IV
Level 5
(For Lateral Entry Students)

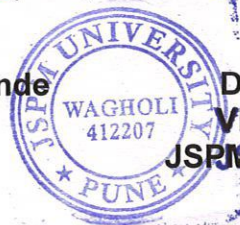
Sr. No.	Course Type	Course Code	Course Name	Teaching Scheme (Hrs. per week)				Examination and Marking Scheme			Credits
				L	T	P	EL	TH	PR	OR	
01	BSC	230GMAL02_04	Multivariate Calculus and Differential Equations	3	1	-	-	100	-	-	4
02	BSC	230HFSB16_04	Biology for Engineers	2	-	-	-	100	-	-	2
03	PCC	230GCSB12_04	Object Oriented Programming	2	-	-	4	100	-	-	3
04	PCC	230GCSB03_04	Foundations of Computer Science-Computational Thinking to Cybersecurity	3	-	-	-	100	-	-	3
05	MMC	230GMTB01_04	Sensors and Actuators	1	-	2	-	-	50	50	2
06	SEC	230GCSB17_04	Development Tools Laboratory	2	-	2	-	-	50	50	3
07	AEC (HSMC)	230UENB02_04	Communicative Proficiency Skills	1	-	2	-	50	-	-	2
08	LC	230GCSB14_04	Object Oriented Programming Lab	-	-	2	-	-	50	-	1
09	LC	230GCSB04_04	Foundations of Computer Science Computational Thinking to Cybersecurity Lab	-	-	2	-	-	50	-	1
10	IITP/ FP/ CEP	230GCSB16_04	Internship / Field Project / Community Engagement Programme	4 to 6 weeks				-	-	50	2
Total Academic Engagement and Credits				14	1	10	4	450	200	150	23
				25				800			

Note: A **Diploma** will be awarded if a student exits after second year. For Exit at the end of second year the student must complete: (Total credits = 8)

- a) An internship / OJT of 8 - 10 weeks (4 credits)
- b) Additional Course 1 (4 credits) (Vocational Skill Course (VSC) / Skill Enhancement Course (SEC))

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