



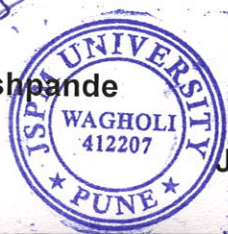
**JSPM UNIVERSITY PUNE**  
**Faculty of Science and Technology (FST)**  
**Course Structure: B. Tech. First Year – Group A**  
**(Computer Science and Engineering, Artificial Intelligence and Machine Learning, Data Science and Information Technology, Electronics and Telecommunication Engineering)**

**Semester - I**  
**Level - 4.5**

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	230GMAB03_01	Linear Algebra	2	1	-	-	100	-	-	3
02	BSC	230GPHB01_01	Optics and Modern Physics	3	-	-	-	100	-	-	3
03	ESC	230GCSB01_01	Programming for Problem Solving	2	-	-	-	100	-	-	2
04	ESC	230GEEB01_01	Foundations of Electrical Engineering	2	-	-	-	100	-	-	2
05	ESC	230GMEB01_01	Foundations of Mechanical Engineering	2	-	-	-	100	-	-	2
06	VSC	230IDCB01_01	Design Thinking and Creativity	1	-	-	2	-	-	50	1.5
07	AEC (HSMC)	230UENB01_01	Effective Communication Skills	1	-	2	-	50	-	-	2
08	LC	230GPHB02_01	Optics and Modern Physics Lab	-	-	2	-	-	50	-	1
09	LC	230GCSB02_01	Programming and Problem-Solving Lab	-	-	2	-	-	50	-	1
10	LC	230GEEB02_01	Foundations of Electrical Engineering Lab	-	-	2	-	-	50	-	1
11	LLC	230UPYB01_01	Yoga and Fitness	-	-	2	2	-	-	50	1.5
<b>Total Academic Engagement and Credits</b>				13	1	10	4	550	150	100	20
				24				800			

*A. S. Deshpande*  
**Dr. A. S. Deshpande**  
**Academic Coordinator**  
**FST**

*R. S. Deshpande*  
**Dr. R. S. Deshpande**  
**Dean**  
**FST**



*B. B. Ahuja*  
**Dr. B. B. Ahuja**  
**Vice Chancellor**  
**JSPM University Pune**  
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**Semester - II**  
**Level - 4.5**

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	230GMAB06_02	Univariate Calculus	2	1	-	-	100	-	-	3
02	BSC	230GCHB01_02	Applied Chemistry	3	-	-	-	100	-	-	3
03	BSC	230GPHB03_02	Semiconductor Physics and Electromagnetism	2	-	-	-	100	-	-	2
04	ESC	230GMEB02_02	Engineering Graphics and Design	2	-	-	-	100	-	-	2
05	ESC	230GCEB01_02	Engineering Mechanics	2	-	-	-	100	-	-	2
06	PCC	230GCSB03_02	Foundations of Computer Science- Computational Thinking to Cybersecurity	3	-	-	-	100	-	-	3
07	VSC	230GETB01_02	Electronics and Computer Workshop	-	-	2	2	-	50	-	1.5
08	VSC	230GMEB04_02	Mechanical Fabshop	-	-	2	2	-	-	50	1.5
09	IKS (HSMC)	230UHIB01_02	States in Ancient India	2	-	-	-	50	-	-	2
10	LC	230GCHB02_02	Applied Chemistry Lab	-	-	2	-	-	50	-	1
11	LC	230GMEB03_02	Engineering Graphics and Design Lab	-	-	2	-	-	50	-	1
12	LC	230GPHB04_02	Semiconductor Physics and Electromagnetism lab	-	-	2	-	-	50	-	1
13	LC	230GCSB04_02	Foundations of Computer Science- Computational Thinking to Cybersecurity Lab	-	-	2	-	-	50	-	1
14	IITP/ FP/ CEP	230GFYB01_02	Internship / Field Project / Community Engagement Programme	4 to 6 weeks				-	-	50	2
<b>Total Academic Engagement and Credits</b>				16	1	12	4	650	250	100	26
				29				1000			

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

a) An internship / OJT of 8 - 10 weeks (4 credits)

b) Additional Course 1 (4 credits) (Course offered will be Vocational Skill Course (VSC) or Skill Enhancement Course (SEC))

  
**Dr. A. S. Deshpande**  
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