



JSPM UNIVERSITY PUNE

Recognized by UGC u/s 2 (f) of UGC Act 1956 and enacted by the
State Government of Maharashtra - JSPM University Act, 2022 (Mah.IV of 2023)

JSPM University Pune
Faculty of Science and Technology
School of Basic and Applied Sciences



NEP aligned Curriculum Structure

for

B.Sc (Mathematics)

(Effective from AY: 2025-26)



JSPM University Pune

FACULTY OF SCIENCE & TECHNOLOGY

SCHOOL OF COMPUTATIONAL SCIENCES

BACHELOR OF SCIENCE
(MATHEMATICS)

COURSE STRUCTURE
(NEP 2020 Aligned)

W. E. F

2024-2025

RELEASE DATE

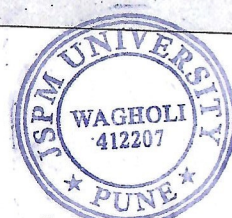
01/07/2025

REVISION NO.

1.0 (NEP)

SEMESTER I (LEVEL 4.5)

TYPE	CODE	COURSE NAME	TEACHING SCHEME				EXAMINATION SCHEME AND MARKS								TOTAL	CREDITS
			Hours / Week				THEORY (Equal Weightage for CIE and ESE)			PRACTICAL (Equal Weightage for CIE and ESE)		ORAL (Equal Weightage for CIE and ESE)				
			L	T	P	EL	CONTINUOUS INSEMESTER EVALUATION (100 Marks)			END SEMESTER EXAMINATION (100 / 50 Marks)	CONTINUOUS INSEMESTER EVALUATION (50 Marks)	END SEMESTER EXAMINATION (50 Marks)	CONTINUOUS INSEMESTER EVALUATION (50 Marks)	END SEMESTER EXAMINATION (50 Marks)		
							T1 (30 Marks)	T2 (30 Marks)	Assignments (40 Marks)							
PCC	240GMAB01_01	Introduction to Discrete Mathematics	2	1	-	-	30	30	40	100	-	-	-	-	100	3
PCC	240GMAB02_01	Differential and Integral Calculus	3	1	-	-	30	30	40	100	-	-	-	-	100	3
IOC	-	Interdisciplinary Open Course	2	-	-	-	30	30	40	100	-	-	-	-	100	4
SEC	240GSCB01_01	Problem Solving using C Programming	2	-	2	-	-	-	-	-	-	-	-	-	100	2
VSC	230IDCB01_01	Design Thinking and Creativity	1	-	-	2	-	-	-	-	50	50	50	50	100	3
AEC (HSMC)	230UENB01_01	Effective Communication Skills	1	-	2	-	30	30	40	50	-	-	50	50	50	1.5
IKS (HSMC)	250UIKB02_01	Wisdom through Ancient Indian History	2	-	-	-	30	30	40	50	-	-	-	-	50	2
VEC/ EEC (HSMC)	210GCEB02_01	Environment and Sustainability	2	-	-	-	30	30	40	50	-	-	-	-	50	2
LC	240GMAB21_01	Introduction to Scilab	-	-	2	-	-	-	-	-	-	-	-	-	50	2
LLC	231UPYB01_01	Mindfulness and Well-being	1	-	-	2	-	-	-	-	50	50	-	-	50	1
TOTAL			16	2	6	4							50	-	50	1.5
														700	22	



L-Lecture
Format No.: JSPMUni/ACAD/001

T-Tutorial
Rev. No.:1.0

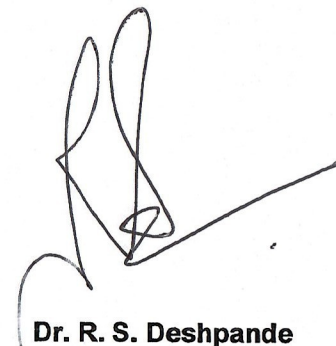
P-Practical Session (Laboratory)
Rev. Date:01/07/2025

EL-Experiential Learning
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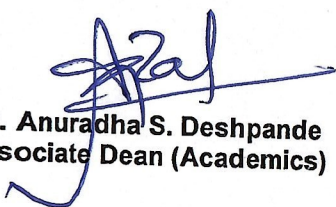
Sem.	Interdisciplinary Open Course			
I	Course Code	240GPHB11_01	230GCSB151	230VBCB04_01
	Course Name	Mechanics	AI for Everyone	Basic Accounting
II	Course Code	240GPHB12_02	230GCSB154	230VBCB11_02
	Course Name	Thermodynamics	Basic Machine Learning	Introduction to Cost Accounting
III	Course Code	240GPHB13_03	230GCSB157	230VBCB15_03
	Course Name	Waves Oscillation and Acoustics	Fundamentals of Web Development	Finance for Non-Finance



Dr. M. G. Shrigan
Program Coordinator, B. Sc. (Mathematics)



Dr. R. S. Deshpande
Dean, Faculty of Science and Technology



Dr. Anuradha S. Deshpande
Associate Dean (Academics)




Prof. B. B. Ahuja
Vice Chancellor, JSPM University Pune

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SEMESTER II (LEVEL 4.5)

COURSE

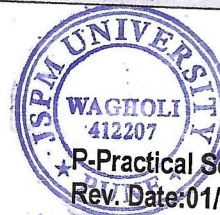
TEACHING SCHEME

EXAMINATION SCHEME AND MARKS

TYPE	CODE	COURSE NAME	Hours / Week				THEORY (Equal Weightage for CIE and ESE)				PRACTICAL (Equal Weightage for CIE and ESE)		ORAL (Equal Weightage for CIE and ESE)		TOTAL	CREDITS
			L	T	P	EL	CONTINUOUS INSEMESTER EVALUATION (100 Marks)			END SEMESTER EXAMINATION (100 / 50 Marks)	CONTINUOUS INSEMESTER EVALUATION (50 Marks)	END SEMESTER EXAMINATION (50 Marks)	CONTINUOUS INSEMESTER EVALUATION (50 Marks)	END SEMESTER EXAMINATION (50 Marks)		
							T1 (30 Marks)	T2 (30 Marks)	Assignments (40 Marks)							
PCC	240GMAB05_02	Sequences and Series	2	1	-	-	30	30	40	100	-	-	-	-	100	3
PCC	240GMAB06_02	Abstract Algebra	2	1	-	2	30	30	40	100	-	-	-	-	100	3
MDM	-	Multidisciplinary Minor	2	1	-	-	30	30	40	100	-	-	-	-	100	3.5
IOC	-	Interdisciplinary Open Course	2	-	-	-	30	30	40	100	-	-	-	-	100	3
SEC	230GCAB14_02	Programming with Python	2	-	2	-	-	-	-	-	-	-	-	-	100	2
AEC (HSMC)	230UENB02_02	Communicative Proficiency Skills	1	-	2	-	30	30	40	50	50	50	50	100	3	
VEC/ EEC (HSMC)	230UPYB03_02	Ethics and Moral Values	2	-	-	-	30	30	40	50	-	-	-	50	2	
LLC	231UPYB01_02	Yoga and Fitness	-	-	2	2	-	-	-	-	-	-	-	50	2	
IITP/ FP/ CEP	240GMAB91_02	Internship / Field Project / Community Engagement Program	4 to 6 weeks				-	-	-	-	-	-	50	-	50	1.5
TOTAL			13	3	6	4							50	50	50	2
															700	22

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P-Practical Session (Laboratory)
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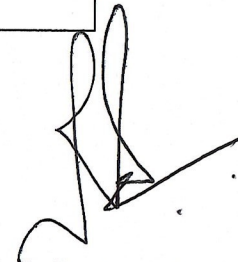
Sem.	Multidisciplinary Minor (MDM)			
	Specialization	Statistics	Web Development	3D Printing
II	Course Code	240GMAB51_02	231GSCB101_02	230GMEB86_02
	Course Name	Descriptive Statistics	Internet and Networking	Fundamentals of Mechanical Engineering
III	Course Code	240GMAB52_03	230GSCB102_03	230GMEB91_03
	Course Name	Introduction to Probability and Distributions	Basics of HTML and CSS	Computer Aided Design (CAD)
			230GSCB103_03	230GMEB92_03
		Basics of HTML and CSS Lab	Computer Aided Design (CAD) Lab	
IV	Course Code	240GMAB53_04	230GSCB104_04	230GRAB86_04
	Course Name	Introduction to statistical Hypothesis testing	Web Technology using PHP	3D Printing: Introduction and Processes
			230GSCB105_04	230GRAB87_04
		Web Technology using PHP Lab	3D Printing: Introduction and Processes Lab	
V	Course Code	240GMAB54_05	230GSCB106_05	230GRAB88_05
	Course Name	Operation Research and Time Series Analysis	JAVA Frameworks for Web Development	Application of 3D Printing
			230GSCB107_05	-
		JAVA Frameworks for Web Development Lab	-	
VI	Course Code	240GMAB56_06	231GSCB108_06	230GRAB89_06
	Course Name	Regression Analysis	Adv Web Development Technologies	Product Design and Development
			-	-
		-	-	



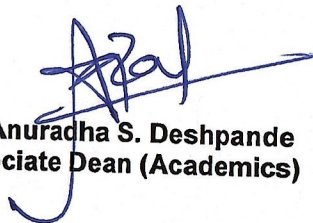
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