



**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**

**PhD (Chemistry)**

**(Effective from AY: 2023-24)**

1st Batch

		JSPM University Pune				COURSE STRUCTURE (NEP 2020 Aligned)												
		FACULTY OF SCIENCE & TECHNOLOGY				W. E. F		2023-2024										
		SCHOOL OF BASIC AND APPLIED SCIENCES				RELEASE DATE		01/07/2023										
DOCTOR OF PHILOSOPHY (CHEMISTRY)				REVISION NO.		0.0 (NEP)												
SEMESTER I (LEVEL 8)																		
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 IN SEMESTER EVALUATION (100 Marks)			END SEMESTER EXAMINATION (100 / 50 Marks)	CONTINUOUS IN SEMESTER EVALUATION (50 Marks)	END SEMESTER EXAMINATION (50 Marks)	CONTINUOUS IN SEMESTER EVALUATION (50 Marks)	END SEMESTER EXAMINATION (50 Marks)				
							T1 (30 Marks)	T2 (30 Marks)	Assignments (40 Marks)									
PSBC	230GMED03	Smart Materials	3	-	-	-	30	30	40	100	-	-	-	-	100	3		
PCC	-	Domain Specific Course/ MOOC	3	-	-	-	30	30	40	100	-	-	-	-	100	3		
	-	Domain Specific Course/ MOOC	3	-	-	-	30	30	40	100	-	-	-	-	100	3		
RMC	230IRMD01	Research Publication and Ethics	2	-	-	-	30	30	40	100	-	-	-	-	100	2		
	230IRMD02	Research Proposal Writing	1	-	-	-	-	-	-	-	-	-	50	50	50	1		
	230IRMD03	Writing Literature Review	2	-	-	-	-	-	-	-	-	-	100	100	100	2		
SLC	230ISRD01	Seminar	-	-	-	8	-	-	-	-	-	-	50	50	50	2		
GRAND TOTAL			14	-	-	8											600	16

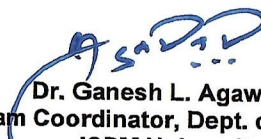
**PCC: Domain Specific Course (University/ MOOC)**

Course Code	Domain Specific Course (University)
230GCHD01	Advanced Materials for Hydrogen Generation
230GCHD02	Modern Spectroscopic Techniques in Material Science

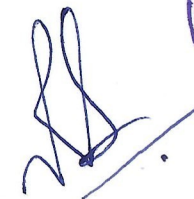
Course Code	Domain Specific Course (MOOC)
230GCHD03	Fundamentals of Spectroscopy
230GCHD04	Advances in Instrumentation and Chemical Data Analysis
230GCHD05	Introduction to Polymer Science
230GCHD06	Inorganic Materials of Industrial Importance



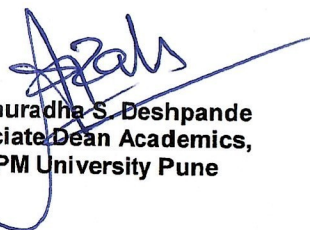
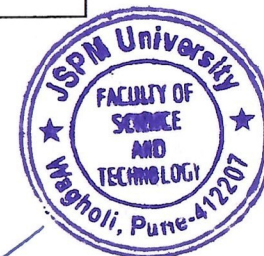
Dr. M. S. Maru  
Ph.D. Coordinator, Dept. of Chemistry,  
JSPM University Pune



Dr. Ganesh L. Agawane  
Program Coordinator, Dept. of Chemistry,  
JSPM University



Dr. R. S. Deshpande  
Dean, FST  
JSPM University Pune  
**Dean**  
**FACULTY OF SCIENCE AND TECHNOLOGY**  
JSPM UNIVERSITY PUNE



Dr. Anuradha S. Deshpande  
Associate Dean Academics,  
JSPM University Pune



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



**Vice Chancellor**  
**JSPM University**  
**Pune**