



**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 (Animation & VFX)**

**(Effective from AY: 2024-25)**



# JSPM University Pune

FACULTY OF SCIENCE & TECHNOLOGY

SCHOOL OF BASIC AND APPLIED SCIENCE

FIRST YEAR BACHELOR OF SCIENCE  
(ANIMATION AND VFX)

COURSE STRUCTURE  
(NEP 2020 Aligned)

W. E. F

2024-2025

RELEASE DATE

01/07/2024

REVISION NO.

0.0 (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	230GANB01_01	Concepts of Color Theory	3	-	-	-	30	30	40	100	-	-	-	-	100	3
	230GANB02_01	Pre-production Concepts for Animation	3	-	-	-	30	30	40	100	-	-	-	-	100	3
	230GANB03_01	2D Graphics Art and Design Photoshop	3	-	-	-	30	30	40	100	-	-	-	-	100	3
SEC	230GANB04_01	Adobe Illustrator	2	-	2	-	-	-	-	-	50	50	50	50	100	3
VSC	230IDCB01_01	Design Thinking and Creativity	1	-	-	2	-	-	-	-	-	-	50	50	50	1.5
AEC (HSMC)	230UENB01_01	Effective Communication Skills	1	-	2	-	30	30	40	50	-	-	-	-	50	2
VEC	230USYB01_01	Behavioral Science and Ethics	2	-	-	-	30	30	40	50	-	-	-	-	50	2
IKS (HSMC)	230UHIB02_01	Wisdom Through Ancient Indian History	2	-	-	-	30	30	40	50	-	-	-	-	50	2
LC	231GANB05_01	2D Graphics Art and Design Photoshop Lab	-	-	2	-	-	-	-	-	50	50	-	-	50	1
LLC	230GANB06_01	Clay Modelling / Strokes and Sketching / Craft Making	-	-	2	2	-	-	-	-	-	-	50	-	50	1.5
<b>TOTAL</b>			<b>17</b>	<b>0</b>	<b>08</b>	<b>04</b>									<b>700</b>	<b>22</b>

Mr. Sourabh Londhe  
Programme Coordinator, F. Y. B.Sc Animation and VFX

Dr. Anuradha S. Deshpande  
Associate Dean (Academics)



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

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

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

T-Tutorial  
Rev. No. 0.0

P-Practical Session (Laboratory)  
Rev. Date:01/07/2024

EL-Experiential Learning  
Page 1 of 1



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SCHOOL OF BASIC AND APPLIED SCIENCE

FIRST YEAR BACHELOR OF SCIENCE  
(ANIMATION AND VFX)

COURSE STRUCTURE  
(NEP 2020 Aligned) (11)

W. E. F

2024-2025

RELEASE DATE

01/07/2024

REVISION NO.

0.0 (NEP)

## 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	231GANB07_02	Audio and Video Composing and Editing Tools, Techniques	3	-	-	2	30	30	40	100	-	-	-	-	100	3.5	
	231GANB08_02	Web Designing and Scripting Languages	2	-	-	-	30	30	40	50	-	-	-	-	50	2	
	230GANB09_02	Digital Film Making and stop Motion Animation	2	-	-	-	30	30	40	50	-	-	-	-	50	2	
SEC	240GANB01_02	Motion Graphics in After Effects	2	-	2	-	-	-	-	-	50	50	50	50	100	3	
IOC	230VBBB55_02	Fundamentals of Marketing	2	-	-	-	30	30	40	100	-	-	-	-	100	2	
MDM	-	Multi Disciplinary Minor	2	-	-	-	30	30	40	50	-	-	-	-	50	2	
AEC (HSMC)	230UENB02_02	Communicative Proficiency Skills	1	-	2	-	30	30	40	50	-	-	-	-	50	2	
LC	230GANB10_02	Web Designing and Scripting Languages Lab	-	-	2	-	-	-	-	-	50	50	-	-	50	1	
	-	Multi Disciplinary Minor Lab	-	-	2	-	-	-	-	-	50	50	-	-	50	1	
LLC	231UPYB02_02	Mindfulness and Wellbeing	1	-	-	2	-	-	-	-	-	-	50	-	50	1.5	
IITP/FP/CEP	231GANB12_02	Internship / Field Project / Community Engagement Project	4 to 6 weeks				-	-	-	-	-	-	-	50	50	50	2
<b>TOTAL</b>			<b>15</b>	<b>0</b>	<b>08</b>	<b>04</b>								<b>700</b>	<b>22</b>		

Sem.	Multi-Disciplinary Minor (MDM)			
	Specialization	Software Development		
II	Course Code	240GCSB204_02		
	Course Name	C- Programming		
	Course Code	240GCSB212_02		
	Course Name	C- Programming lab		
III	Course Code	240GCSB205_03		
	Course Name	Object Oriented Programming Using C++		
	Course Code	240GCSB206_03		
	Course Name	Object Oriented Programming Using C++ Lab		
IV	Course Code	240GCSB207_04		
	Course Name	Core Java Programming		
	Course Code	240GCSB208_04		
	Course Name	Core Java Programming Lab		
V	Course Code	240GCSB209_05		
	Course Name	Basics Of Python Programming Language		
	Course Code	240GCSB210_05		
	Course Name	Basics Of Python Programming Language Lab		
VI	Course Code	240GCSB211_06		
	Course Name	Introduction to Software Development and Testing		

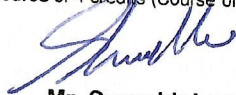
Sem.	Interdisciplinary Open Course (IOC)			
	Specialization	Marketing Management		
II	Course Code	230VBBB55_02		
	Course Name	Fundamentals of Marketing		
	Course Code	230VBBB06_03		
	Course Name	Introduction to Digital Marketing		
V	Course Code	230VMGB22_05		
	Course Name	Social Media Marketing.		

Note: A Certificate will be awarded if a student exits after first year.

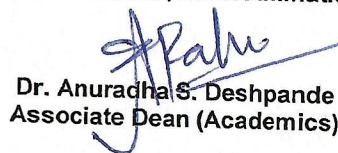
For "Exit" at the end of First Year the student must complete a total of 8 additional credits.

a) An internship / OJT of 8 - 10 weeks (4 credits) over and above semester 2 internship of minimum 4 weeks.


b) Additional one Course of 4 credits (Course offered will be Vocational Skill Course (VSC) or Skill Enhancement Course (SEC) or a mini project).



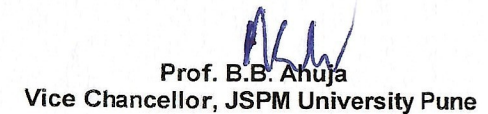
Mr. Sourabh Londhe  
Programme Coordinator, B.Sc. Animation and VFX



Dr. Anuradha S. Deshpande  
Associate Dean (Academics)

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



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



# JSPM University Pune

FACULTY OF SCIENCE & TECHNOLOGY  
SCHOOL OF BASIC AND APPLIED  
SCIENCE

## COURSE STRUCTURE (NEP 2020 Aligned)

W. E. F

2025-2026

RELEASE DATE

01/07/2025

SECOND YEAR BACHELOR OF SCIENCE  
(ANIMATION AND VFX)

REVISION NO.

0.0 (NEP)

### SEMESTER III LEVEL 5

COURSE			TEACHING SCHEME				EXAMINATION SCHEME AND MARKS										C R E D I T S
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)		T O T A L		
			L	T	P	EL	CONTINUOUS INSEMESTER EVALUATION (100 Marks)			END SEMESTER EXAMINATION (100 / 50 marks)	CONTINUOUS INSEMESTER EVALUATION (50marks)	END SEMESTER EXAMINATION (50 marks)	CONTINUOUS INSEMESTER EVALUATION (50marks)	END SEMESTER EXAMINATION (50 marks)			
							T1 (30 Marks)	T2 (30 Marks)	Assign-ments (40 Marks)								
PCC	230GANB13_03	Fundamentals of Blender 3D Modelling	3	-	-	2	30	30	40	100	-	-	-	-	100	3.5	
	230GANB14_03	Fundamental of Blender Texturing	3	-	-	2	30	30	40	100	-	-	-	-	100	3.5	
	230GANB15_03	2D Animation Adobe Animate	2	-	-	-	30	30	40	50	-	-	-	-	50	2	
MDM	-	Multi-Disciplinary Minor	2	-	-	-	30	30	40	50	-	-	-	-	50	2	
VSC	230IINB02_03	Innovation	1	-	-	2	-	-	-	-	-	-	-	50	50	1.5	
IOC	230VBBB06_03	Introduction to Digital Marketing	2	-	-	-	30	30	40	100	-	-	-	-	100	2	
AEC (HSMC)	230UENB03_03	Soft Skill Development	1	-	2	-	30	30	40	50	-	-	-	-	50	2	
LC	230GANB16_03	2D Animation Adobe Animate Lab	-	-	2	-	-	-	-	-	50	50	-	-	50	1	
	230GANB17_03	Adobe InDesign Lab	-	-	2	-	-	-	-	-	-	-	50	50	50	1	
	-	Multi-Disciplinary Minor Lab	-	-	2	4	-	-	-	-	-	-	50	50	50	1	
LLC	240VBBB02_03	Theatre and Performing Arts	-	-	2	2	-	-	-	-	50	50	-	-	50	2	
<b>TOTAL</b>			<b>14</b>	<b>0</b>	<b>10</b>	<b>8</b>								<b>50</b>	<b>-</b>	<b>50</b>	<b>1.5</b>
															<b>700</b>	<b>22</b>	

L-Lecture

T-Tutorial


P-Practical Session (Laboratory)

EL-Experiential Learning

Multi-Disciplinary Minor (MDM)					
Sem.	Specialization	Software Development			
II	Course Code	240GCSB204_02			
	Course Name	C- Programming			
	Course Code	240GCSB212_02			
III	Course Name	C- Programming Lab			
	Course Code	240GCSB205_03			
	Course Name	Object Oriented Programming Using C++			
	Course Code	240GCSB206_03			
	Course Name	Object Oriented Programming Using C++ Lab			
IV	Course Code	240GCSB207_04			
	Course Name	Core Java Programming			
	Course Code	240GCSB208_04			
V	Course Name	Core Java Programming Lab			
	Course Code	240GCSB209_05			
	Course Name	Basics Of Python Programming Language			
	Course Code	240GCSB210_05			
	Course Name	Basics Of Python Programming Language Lab			
VI	Course Code	240GCSB211_06			
	Course Name	Introduction to Software Development and Testing			
	Course Code	240GCSB213_06			
	Course Name	Introduction to Software Development and Testing			

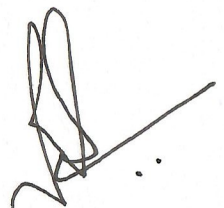


Mr. Sourabh Londhe  
Programme Coordinator, B.Sc. Animation and VFX



Dr. Anuradha S. Deshpande  
Associate Dean (Academics)

Interdisciplinary Open Course (IOC)		
Sem.	Specialization	Marketing Management
II	Course Code	230VBBB55_02
	Course Name	Fundamentals of Marketing
III	Course Code	230VBBB06_03
	Course Name	Introduction to Digital Marketing
V	Course Code	230VMSM11_05
	Course Name	Fundamentals of Financial Management



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2025-2026

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SEMESTER IV LEVEL 5

COURSE

TEACHING  
SCHEME

EXAMINATION SCHEME AND MARKS

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

TYPE

CODE

COURSE NAME

L

T

P

EL

CONTINUOUS INSEMESTER  
EVALUATION  
(100 Marks)

END SEMESTER  
EXAMINATION  
(100/50 marks)

CONTINUOUS  
INSEMESTER  
EVALUATION  
(50marks)

END SEMESTER  
EXAMINATION  
(50 marks)

CONTINUOUS  
INSEMESTER  
EVALUATION  
(50marks)

END SEMESTER  
EXAMINATION  
(50 marks)

TYPE	CODE	COURSE NAME	Hours / Week				CONTINUOUS INSEMESTER EVALUATION (100 Marks)			END SEMESTER EXAMINATION (100/50 marks)	CONTINUOUS INSEMESTER EVALUATION (50marks)		END SEMESTER EXAMINATION (50 marks)		TOTAL	CREDITS	
			L	T	P	EL	T1 (30 Marks)	T2 (30 Marks)	Assignments (40 Marks)	CONTINUOUS INSEMESTER EVALUATION (50marks)	END SEMESTER EXAMINATION (50 marks)	CONTINUOUS INSEMESTER EVALUATION (50marks)	END SEMESTER EXAMINATION (50 marks)				
PCC	230GANB18_04	Essentials of 3D Modelling in Maya	3	-	-	2	30	30	40	100	-	-	-	-	100	3.5	
	230GANB19_04	Web and Application design in Figma	3	-	-	-	30	30	40	100	-	-	-	-	100	3	
MDM	-	Multi-Disciplinary Minor	2	-	-	-	30	30	40	100	-	-	-	-	100	3	
SEC	230GANB20_04	Substance Painter	2	-	-	-	30	30	40	50	-	-	-	-	50	2	
AEC (HSMC)	230UENB04_04	Verbal Aptitude Through Literature	1	-	2	-	30	30	40	50	50	50	50	50	100	3	
LC	230GANB21_04	Web and Application design in Figma Lab	-	-	2	-	-	-	-	50	-	-	-	-	50	2	
	230GANB22_04	Fundamentals of Maya Lighting Lab	-	-	2	-	-	-	-	50	50	-	-	50	1	1	
MDM	-	Multi-Disciplinary Minor Lab	-	-	2	4	-	-	-	-	-	50	50	50	1	1	
LC	230GANB23_04	Fundamentals of Maya Animation Lab	-	-	2	-	-	-	-	50	50	-	-	50	2	2	
LLC	230HFSB80_04	Health and Nutrition	1	-	2	-	-	-	-	50	50	-	-	50	1	1	
IITP/FP/CEP	231GANB12_04 230GANB24	Internship / Field Project / Community Engagement Project	4 to 6 weeks				-	-	-	-	-	-	50	-	50	1.5	1.5
TOTAL			12	0	14	6				50			50	50	50	2	2
MLC#	-	Audit Course	1	-	-	-									700	22	
										50					50	1	1

L-Lecture

T-Tutorial

P-Practical Session (Laboratory)


EL-Experiential Learning

Multi-Disciplinary Minor (MDM)		
Sem.	Specialization	
II	Course Code	Software Development 240GCSB204_02
	Course Name	C- Programming 240GCSB212_02
	Course Code	C- Programming Lab 240GCSB205_03
III	Course Name	Object Oriented Programming Using C++ 240GCSB206_03
	Course Code	Object Oriented Programming Using C++ Lab 240GCSB207_04
	Course Name	Core Java Programming 240GCSB208_04
IV	Course Code	Core Java Programming Lab 240GCSB209_05
	Course Name	Basics Of Python Programming Language 240GCSB210_05
	Course Code	Basics Of Python Programming Language Lab 240GCSB211_06
V	Course Name	Introduction to Software Development and Testing 240GCSB213_06
	Course Code	Introduction to Software Development and Testing
	Course Name	
VI	Course Code	
	Course Name	
	Course Code	

Interdisciplinary Open Course (IOC)		
Sem.	Specialization	
II	Course Code	Marketing Management 230VBBB55_02
	Course Name	Fundamentals of Marketing
III	Course Code	230VBBB06_03
	Course Name	Introduction to Digital Marketing
V	Course Code	230VMSM11_05
	Course Name	Fundamentals of Financial Management


Mandatory Learning Course (MLC*) Audit Course		
Course Code	240GANB02_04	
Course Name	Introduction to Corel Draw	
Course Code	230UPOB02_05	
Course Name	Introduction to Indian Constitution	
Course Code	240GANB03_06	
Course Name	Portfolio Development	

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