



SIR PADAMPAT SINGHANIA UNIVERSITY

Udaipur

SCHOOL OF ENGINEERING

**Course Curriculum of 3-Year B.C.A. Degree Programme
(Specialization in Animation & Multimedia)
(Batch- 2020-23)**

Credit Structure

Undergraduate Core		Undergraduate Elective	
Category	Credits	Category	Credits
Departmental Core Subjects	112	Discipline Specific Electives	06
Humanities & Basic Sciences Subjects	08		
Ability Enhancement Compulsory Subjects	06		
Total	126	Total	06
		Grand Total	132

Distribution of Total Credits & Contact Hours in all Semesters

S. No.	Semester Number	Credits/Semester	Contact hours/week
1	I	24	30
2	II	22	27
3	III	20	25
4	IV	21	28
5	V	26	28
6	VI	19	28
Total		132	--

**Course Structure: B.C.A. (Specialization in Animation & Multimedia)
2020-2023**

Semester - I

S. No.	Course Code	Course Title	L	T	P	Credit(s)
1	BCA-1001	Introduction to Computers & Office Management Tools	3	0	1	4
2	BCA-1002	Programming in C	3	0	2	5
3	BCA-1003	Digital Logic Design	3	0	1	4
4	BCA-1004	Database Management System	3	0	2	5
5	HU-1001	Business Communication – I	2	0	0	2
6	MA-1003	Fundamentals of Mathematics	3	1	0	4
Total Credits						24
7	EP-1999	Endeavour Project (Beyond the Syllabus)				
Total Contact hours/week						30

Semester - II

S. No.	Course Code	Course Title	L	T	P	Credit(s)
1	BCA-1005	Operating Systems Concepts	3	0	1	4
2	BCA-1006	Object Oriented Programming Using C++	2	0	2	4
3	BCA-1007	Data Structures Using C	3	0	2	5
4	BCA-1008	Computer Organization & Architecture	3	0	0	3
5	BCA-1009	Discrete Mathematical Structure	3	1	0	4
6	HU-1002	Business Communication - II	2	0	0	2
Total Credits						22
7	EP-1999	Endeavour Project(Beyond the Syllabus)				
Total Contact hours/week						27

Semester - III

S. No.	Course Code	Course Title	L	T	P	Credit(s)
1	BCA-2001	Java Programming	2	0	2	4
2	BCA-2002	Design and Analysis of Algorithms	3	0	0	3
3	BCA-2003	Introduction to Web Technology	1	0	2	3
4	BCA-2004	Introduction to Computer Graphics	3	0	1	4
5	BCA-2005	Introduction to Software Engineering Principles	3	0	0	3
6	CH-2001	Environmental Management	3	0	0	3
Total Credits						20
7	EP-2999	Endeavour Project(Beyond the Syllabus)				
Total Contact hours/week						25

Semester - IV

S. No.	Course Code	Course Title	L	T	P	Credit(s)
1	BCA-2006	Mobile Application Development	1	0	2	3
2	BCA-2007	Python Programming	2	0	2	4
3	BCA-2008	Introduction to IoT	2	0	1	3
4	BCA-2009	Computer Networks	3	0	1	4
5	BCA-2010	Introduction to Ethical Hacking Principles	3	0	1	4
6	MA-2011	Logical Reasoning & Thinking	3	0	0	3
Total Credits						21
7	EP-2999	Endeavour Project (Beyond the Syllabus)				
Total Contact hours/week						28

Semester - V

S. No.	Course Code	Course Title	L	T	P	Credit(s)
1	BAM-3001	Fundamentals & Appreciation of Arts	3	0	1	4
2	BAM-3002	Drawing Fundamentals	0	0	2	3
3	BAM-3003	Gaming Technology & Script Writing	3	0	1	4
4	BAM-3004	2D & 3D Animation Technology & Sound Editing	3	0	1	4
5	BAM-3005	Television Graphics & Video Editing	2	0	1	3
6	BAM-3000	Departmental Topic Seminar	0	0	1	1
7	BAM-3050	Internship	-	-	-	5
8	BAM-XXXX	Discipline Specific Elective - I	3	0	0	3
Total Credits						26
9	EP-3999	Endeavour Project (Beyond the Syllabus)				
Total Contact hours/week						28

Semester - VI

S. No.	Course Code	Course Title	L	T	P	Credit(s)
1	BAM-3006	2D & 3D Animation Production	3	0	1	4
2	BAM-3007	VFX	2	0	1	3
3	BAM-3008	Mobile Based Game Development	2	0	2	4
4	BAM-3100	Major Project	0	0	5	5
5	BAM-XXXX	Discipline Specific Elective - II	3	0	0	3
Total Credits						19
6	EP-3999	Endeavour Project (Beyond the Syllabus)				3
Total Contact hours/week						28

List of Discipline Specific Elective(s) - I

S. No.	Course Code	Course Title	L	T	P	Credit
1	BAM-3151	Industry 4.0	3	0	0	3
2	BAM-3152	Introduction to Advancement & Market Research	3	0	0	3

List of Discipline Specific Elective(s) - II

S. No.	Course Code	Course Title	L	T	P	Credit
1	BAM-3153	Media Laws and Ethics	3	0	0	3
2	BAM-3154	Media Aesthetics	3	0	0	3