



BIRLA INSTITUTE OF TECHNOLOGY MESRA, RANCHI
COURSE STRUCTURE FOR
VISUAL COMMUNICATION as per NEP-2020
w.e.f. Academic Session 2025-26

Total Credit Requirement for B. Sc. (Visual Communication) = 124 (in 3 years/ 6 semesters)

Total Credit Requirement for B. Sc. Honours (Visual Communication) = 164 (in 4 years/ 8 semesters)

Course Structure for B.Sc. Visual Communication

S.No.	Broad Category of Course	Three Years with Graduation Degree	Four Years with Honors Degree
1	Discipline Specific Core (DSC)	78	96
2	Multidisciplinary / MOOC (MDC)	9	9
3	Ability Enhancement Courses (AEC)	8	8
4	Skill Enhancement Courses (SEC)	9	9
5	Value Added Courses Common (VAC)	6	6
6	Design Project / Research Project (DP / RP)	14	36
	Total Credit Requirements	124	164

After I Year	UG Certificate in Visual Communication	42+6=48
After II Year	UG Diploma in Visual Communication	84+6=90
After III Year	Three Year Bachelor of Science (B.Sc.) in Visual Communication	124
After IV Year	Four Year Bachelor of Science (Honors with Research) in Visual Communication	164

Note: Students exiting the programme after securing minimum 90 credits will be awarded UG Diploma in the relevant Discipline/ Subject Provided they secure 6 credits in skill based vocational courses offered during first year or second year summer term.

Semester I, Session MO, Course Level-I

Category	Course Code	Course Name	L	T	P	C
DSC	VC25101	Introduction to Visual Communication	3	0	0	3
MDC		Multidisciplinary Course / MOOC / Any other course can be suggested by HOD From the another discipline				3
VAC	MN25102	Human Values & Professional Ethics	2	0	0	2
DSC	VC25102	Fundamentals of Visual Art	3	0	0	3
VAC		Value Added Course				2
AEC	HS24131	Communication Skills-I	0	0	3	1.5
DSC	VC25103	Experimental Animation Workshop	0	1	2	2
DSC	VC25104	Fundamentals of 3D	0	0	3	1.5
SEC-I		ELECTIVES (To be opted from List of SKILL ENHANCEMENT COURSES) Paper -I	0	1	4	3
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Semester II, Session SP, Course Level-I

Category	Course Code	Course Name	L	T	P	C
DSC	VC25105	Color Theory and Composition	2	0	0	2
DSC	VC25106	Design & Typography	2	0	0	2
MDC		Multidisciplinary Course / MOOC / Any other course suggest by HOD				3
AEC	MN25109	Public Speaking & Creative Writing	1	0	2	2
DSC	AN25114	Principles of Animation	2	0	0	2
VAC		Value Added Course				2
DSC	AN25115	Graphic Design Tools & Techniques -I	0	0	3	1.5
DSC	AN25116	3D Modeling Techniques-I	0	1	2	2
DSC	VC25107	Visual Art Basics & Outdoor Study	0	0	3	1.5
SEC-II		ELECTIVES (To be opted from List of SKILL ENHANCEMENT COURSES) Paper -II	0	1	4	3
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Note: For Exit Option after First Year with CERTIFICATION, Students need to complete work based Vocational Course during summer term of Six Credits.

EXIT OPTION AFTER FIRST YEAR WITH CERTIFICATION

Semester III, Session MO, Course Level-II

Category	Course Code	Course Name	L	T	P	C
DSC	VC25201	Design Methodology and Process	2	0	0	2
MDC		Multidisciplinary Course / MOOC / Any other course suggest by HOD	3	0	0	3
AEC	MN25201	Personality Development	3	0	0	3
DSC	AN25203	Animation Techniques	2	0	0	2
DSC	VC25202	Graphic Design Tools & Techniques-II	0	1	2	2
DSC	VC25203	Visual Development & Field Study	0	1	2	2
DSC	AN25206	3D Modeling Techniques-II	0	1	2	2
DP/RP	VC25204	Portfolio Design-I				2
SEC-III		ELECTIVES (To be opted from List of SKILL ENHANCEMENT COURSES) Paper - III	0	1	4	3
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Semester IV, Session SP, Course Level-II



Category	Course Code	Course Name	L	T	P	C
DSC	AN25215	Advertising & New Media	3	0	0	3
AEC	HS24133	Communication Skills-II	0	0	3	1.5
DSC	AN25217	Graphic Design Tools & Techniques-III	0	0	3	1.5
DSC	AN25218	Digital Film Production	0	0	3	1.5
DSC	AN25219	Character Animation-I	0	1	2	2
DSC	VC25205	Compositing & Visual Effects	0	1	2	2
DSC	AN25221	Character Modeling & Texturing	0	1	2	2
DSC	AN25222	Game Design	0	0	3	1.5
DP /RP	VC25206	Portfolio Design-II				2
DSC	PEC-I	Programme Elective Course-I	0	1	2	2
DSC	PEC-II	Programme Elective Course-II	0	1	2	2
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Note: For Exit Option after First Year with DIPLOMA, students need to complete work based vocational Course during summer term of Six Credits.

EXIT OPTION AFTER FIRST YEAR WITH DIPLOMA

Semester V, Session MO, Course Level-III

Category	Course Code	Course Name	L	T	P	C
DSC	VC25301	Media Ethics and Intellectual Property	2	0	0	2
DSC	VC25302	Character Design For Animation	2	0	0	2
DSC	AN25303	UI/ UX and Interaction Design	0	0	3	1.5
DSC	VC25303	Character Animation-II	0	1	2	2
DSC	AN25306	3D Character Modeling, Texturing, Lighting & Rendering	0	1	2	2
DSC	AN25307	Game Engine	0	0	3	1.5
DSC	AN25308	Layout & Digital Painting	0	0	3	1.5
DSC	AN25309	Documentary Film Making	0	0	3	1.5
DP / RP	VC25304	Portfolio Design-III				2
DSC	PEC-III	Programme Elective Course-III	0	1	2	2
DSC	PEC-IV	Programme Elective Course-IV	0	1	2	2
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Semester VI, Session SP, Course Level-III



Category	Course Code	Course Name	L	T	P	C
DSC	AN25316	Entrepreneurship	2	0	0	2
DSC	AN25317	Digital Marketing	2	0	0	2
DSC	AN25318	3D Rigging & Skinning	0	1	2	2
DSC	AN25319	Character Animation-III	0	1	2	2
RP/ DP	VC25308	Portfolio Design-IV				8
DSC	PEC-V	Programme Elective Course-V	0	1	2	2
DSC	PEC-VI	Programme Elective Course-VI	0	1	2	2
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EXIT OPTION AFTER THIRD YEAR WITH DEGREE

Semester VII, Session MO, Course Level-IV

Category	Course Code	Course Name	L	T	P	C
DSC	VC25311	Visual Narrations in Western Art	2	0	0	2
DSC	AN25402	Indian Art & Animation	2	0	0	2
DSC	AN25403	Advanced Animation Tools & Techniques	0	0	3	1.5
DSC	AN25404	3D Dynamics & Simulation	0	0	3	1.5
DSC	VC25312	Production Design Workshop	0	1	4	3
DP/RP	VC25313	Portfolio Design-V				10
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Semester VIII, Session SP, Course Level-IV

Category	Course Code	Course Name	L	T	P	C
RP/ DP	VC25314	Dissertation / *Capstone Project (Research Publications-01 publication or submission in peer-reviewed journals/ presentation in conferences/ seminars/ patented) Or Participation in National or International Exhibition/ Film Festivals etc.				12
DSC	VC25315	Industrial Training				8
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*Capstone Project/ Research project /Dissertation/ Internship with Viva-voce and seminar presentation.

BACHELOR'S DEGREE WITH HONOURS

List of Skill Enhancement Course (SEC)



Semester	Course Code	Course Name	L	T	P	C
Sem-I	AN25107	Basic Drawing Skills	0	1	4	3
	AN25108	Presentation Design	0	1	4	3
	AN25109	Photography	0	1	4	3
	AN25110	Advertising Campaign Design	0	1	4	3
	AN25111	Desk Top Publishing	0	1	4	3
Sem-II	AN25119	Basic Writing Skills	0	1	4	3
	AN25120	Web Design	0	1	4	3
	AN25121	Comic Illustration	0	1	4	3
	AN25122	Product Modeling in 3D	0	1	4	3
	AN25123	Video Making	0	1	4	3
	AN25124	Digital Animation	0	1	4	3
	AN25125	Game Appreciation	0	1	4	3
Sem-III	AN25208	Calligraphy	0	1	4	3
	AN25209	Fiction Writing	0	1	4	3
	AN25210	Architectural Modeling	0	1	4	3
	AN25211	Basic Video Editing	0	1	4	3
	AN25212	Sound Design	0	1	4	3
	AN25213	3D Animation	0	1	4	3
	AN25214	Matte Painting	0	1	4	3

List of Program Elective Course (Note: Students must select any two subjects in each semester from the given list of PEC)

Semester	Course Code	Course Name	L	T	P	C
Sem-IV	AN25225	Story Boarding	0	1	2	2
	AN25226	Stop Motion	0	1	2	2
	AN2527	Story Appreciation for Gaming	0	1	2	2
	AN25228	Fundamentals of Theatre and Acting	0	1	2	2
	VC25207	Design Critique and Reflective Practice	0	1	2	2
	VC25208	Experimental and Conceptual Design	0	1	2	2
	VC25209	Sustainable Design Practices	0	1	2	2
Sem-V	AN25311	Classical Animation	0	1	2	2
	AN25312	3D Sculpting	0	1	2	2
	AN25313	3D Motion Graphics and Dynamics	0	1	2	2
	AN25314	Magazine Design	0	1	2	2
	AN25315	Design Thinking	0	1	2	2
	VC25305	Interactive Media Design	0	1	2	2
	VC25306	Packaging Design	0	1	2	2
Sem-VI	VC25307	Augmented Reality (AR) and Virtual Reality (VR) Basics	0	1	2	2
	AN25322	VFX in 2D Animation	0	1	2	2
	AN25323	3D Compositing for Camera	0	1	2	2
	AN25324	Graphic Novels	0	1	2	2
	AN25325	Media Studies	0	1	2	2
	AN25326	Film Production Design	0	1	2	2
	AN25327	Product Designing and Visualization	0	1	2	2
	VC25309	Branding Strategies	0	1	2	2
	VC25310	Visual Storytelling for Social Media	0	1	2	2

List of VALUE ADDED COURSES COMMON (VAC)

Semester	Course Code	Course Name	L	T	P	C
	MN25111	Digital Empowerment	2	0	0	2
	MN25112	Emotional Intelligence	2	0	0	2
	MN25103	Yoga	1	0	2	2
	MN25112	Physical Education	1	0	2	2
	MN25202	Environment Science	2	0	0	2

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List of MULTIDISCIPLINARY COURSES (MDC)

Semester	Course Code	Course Name	L	T	P	C
	MN25118	Introduction to Computing	3	0	0	3
	MN25110	Web Application of Business	2	0	2	3
	MN25106	Principles of Management	3	0	0	3
	CA25110	Office Automation Tools	0	1	4	3
	BA25205	Human Resource Management	3	0	0	3
	MN25212	Introduction to Digital Marketing	3	0	0	3
	MN25429	Social Media Marketing	3	0	0	3
	MN25115	Business Economics	3	0	0	3
	VC25110	Introduction To Indian Art & Culture	3	0	0	3

ABILITY ENHANCEMENT COMPULSORY COURSE: AECC

Semester	Course Code	Course Name	L	T	P	C
	HS24131	Communication Skills-I	0	0	3	1.5
	MN25109	Public Speaking & Creative Writing	1	0	2	2
	MN25201	Personality Development	2	0	2	3
	HS24133	Communication Skills-II	0	0	3	1.5

VOCATIONAL COURSES

Semester	Course Code	Course Name	L	T	P	C
SEM II	VC25108	Graphic Design Techniques	0	1	4	3
SEM II	VC25109	Digital Advertising	0	1	4	3
SEM IV	VC25210	3D Modeling & Animation	0	1	4	3
SEM IV	VC25211	Digital Painting Tools & Techniques	0	1	4	3

Note:

1. The subject codes prefixed with 'VC' have been adopted from the new B.Sc. Visual Communication program.
2. Participation in the study tour or industry visit is mandatory for all students. A project report based on the visit must be submitted for evaluation.

Acronyms Expanded

- AECC : Ability Enhancement Compulsory Course
- DSC (C) : Discipline Specific Core (Course)
- SEC-SB : Skill Enhancement Course-Skill Based/
- VAC : Value Added Course
- MDC : Multidisciplinary Course
- DSE : Discipline Specific Elective
- L+T+P : Lecture + Tutorial + Practical (s)

