

**Bharathiar University**  
Coimbatore – 641046

(Effective from the academic year 2023 – 2024 onwards)

**Checklist for Infrastructure Facilities and Equipments**  
**for starting a new Programme in BSc Visual Communication**

1. **3 Class room...** with smart class minimum 75 inches monitor. with OTT platform
2. Lobby for Creative Discussion
3. Faculty room with computer and internet facilities
4. In-house Library
5. **30 Computers** with following computer specification:
  - a. 13th Generation Intel® Core™ i7 processor
  - b. Windows 11 Home Single Language
  - c. 16 GB DDR4-3200 MHz RAM (2 x 8 GB)
  - d. 512 GB PCIe® NVMe™ M.2 SSD
  - e. 1 TB 7200 rpm SATA HDD
  - f. NVIDIA® GeForce RTX™ 3060 (12 GB GDDR6 dedicated)
6. The XP Pen Artist Display 24 Pro, 23.8-inch 2K QHD graphics display. With double the resolution of FHD displays and unprecedented vibrancy. - **15 Nos.**

**Studio Requirements**

S.No	Name of the Studio	Size / Dimension	Description
1	Photography Studio	500 sqft	<ul style="list-style-type: none"> <li>• Studio walls with neutral colour.</li> <li>• A White background and a black background for product photography.</li> <li>• 5 layers colour background for fashion photography</li> <li>• Lighting grid on the ceiling</li> </ul>
2	Audio Studio	250 sqft a. Dubbing studio = 100 sqft b. PCR = 100 sqft c. Lock Lobby = 50 sqft	<ul style="list-style-type: none"> <li>• Two layered acoustic or shell in shell acoustic concept for PCR and Dubbing studios.</li> <li>• Soundproof Doors.</li> <li>• Interconnection for audio transfer.</li> </ul>

			<ul style="list-style-type: none"> <li>• Hung ceiling and Floating floor for dubbing studio.</li> </ul>
3	Video Production Studio	850 sqft a. Production studio = 600 sqft b. PCR = 200 sqft c. Lock Lobby = 50 sqft	<ul style="list-style-type: none"> <li>• Acoustics with sound proof</li> <li>• Soundproof Doors.</li> <li>• Interconnection for audio and video transfer.</li> <li>• Lighting grid on the ceiling in production studio.</li> <li>• See through window from PCR to Production floor.</li> </ul>
4	Animation and VFX Studio	1000 sqft	Computer tables with swivel chair.
5	Preview Studio	750 sqft	Projection facility with minimum 40 seats.
6	Department Library	100 sqft	With book shelves

### **Photography Studio Equipment List**

<b>S.No</b>	<b>Equipment</b>	<b>Brand / Model</b>	<b>Required Quantity</b>
1.	Soft Box Lights	Godex SK400II with kit / or any Equivalent Model	4
2.	Flash Lights	Godex AD200 with Bracket / or any Equivalent Model	2
3.	Light Stand	Heavy Light Stand	4
4.	Quick Release Parabolic Soft box	Godex QR-P70 / or any Equivalent Model	2
5.	Still Camera body	Nikon Z5 with Kit Lens (or) Sony A7 III with Kit Lens (or) Canon EOS R8 with Kit Lens / or any Equivalent Model	10
6.	Flash	Digitek DFL-008 (or) Godox V860III (or) Godox V1-S / or any Equivalent Model	4
7.	Lens	Telephoto lens 200 – 400 Compatible to Brand that you choose	3
8.	Lens	Wide-angle Lens 12 – 24 Compatible to Brand that you choose	3
9.	Memory Card	Sony SF-E128 Hi- Speed Memory Card	10
10.	Reflectors	Godex RFT-06-80120 Collapsible 5 in 1 Reflector disc / or any Equivalent Model	4
11.	Tripod	Manfrotto Befree Aluminium Tripod (or) Vanguard Tripod Alta Pro 263 AB100 / or any Equivalent Model	5

### Teaching Aid Equipment List

<b>S.No</b>	<b>Description</b>	<b>Brand and Model</b>	<b>Quantity</b>
1.	LED 55 inch Smart TV (with Portable Stand)	Sony / or any other equivalent model	1
2.	Voice Recorder	Zoom H8 / or any Equivalent Model	1
3.	Memory Card – 64gb	Sandisk / or any other equivalent model	1
4.	Sound System	SONY HT-S20R with Dolby Digital, er, Rear Speakers,400W Bluetooth Soundbar 400 W Bluetooth Soundbar (Black, 5.1 Channel) / or any other equivalent model	1
5.	Pen Tab	Wacom Intuos pro m 12inch/ or any other equivalent model	1
6.	LCD Pointer	Logistic/ or any other equivalent model	1

### Audio Studio Equipment List

<b>S.No</b>	<b>Equipment</b>	<b>Brand / Model</b>	<b>Required Quantity</b>
1.	Computer System	Mac Studio / or any other equivalent model	1
2.	Monitor	Dell 27 inch/ or any other equivalent model	1
3.	Mixer	Yamaha MG12XU (or) Sound Craft Signature 12 MTK / or any other Equivalent Model	1
4.	Monitor	PreSonus® Eris® E5 XT Studio Monitor (or) Yamaha HS5 / or any other Equivalent Model	2
5.	Condenser Microphone	Rode N1 (or) Rode NT1 (or) AKG C214 / or any other Equivalent Model	
6.	Microphone Stand	Bespeco / or any Equivalent Model	1
7.	Pop Filter	Bespeco FPOP01 (or) Samson PS01 / or any other Equivalent Model	1
8.	Software	Protools Ultimate (or) Logic Pro (or) Studio One / or any other Equivalent Model	1
9.	Headphones	BDJ 1000 (or) Audio technica ATH M30X (or) Sony MDR-7506 / or any other Equivalent Model	2
10.	MIDI Keyboard	M Audio Oxygen 49 MKV (or) Roland A-49 MIDI / or any other Equivalent Model	1

<b>11.</b>	Musical Instrument (Set)	Acoustic Guitar Bass Electric Drums Tabala	
<b>12.</b>	Preview Monitor	Dell 24" (60.96 cm) FHD Monitor/ or any other Equivalent Model	<b>1</b>
<b>13.</b>	Video Splitter	-	<b>1</b>
<b>14.</b>	Microphone	Shure SM 58 (or) Audio-Technica AT2005 (or) Sennheiser e945 / or any other Equivalent Model	<b>2</b>
<b>15.</b>	Speaker Stand	Bespeco SH3022/ or any other Equivalent Model	<b>1 Set</b>
<b>16.</b>	Percussions	Special Effects Percussion set	<b>1</b>

### **Software's Required**

<b>S.No</b>	<b>Platform</b>	<b>Software Name</b>	<b>No of bundle</b>
1	Designing	Adobe Collection CC 2023	1
		Corel Draw,	1
		Canva, WordPress, ,	1
		Lightroom	1
2	3D Animation	Autodesk Maya	1
		Blender	1
		Unreal Engine	1
		3D S Max	1
3	Visual Effects	Nuke	1
		Adobe After Effects CC 2023	1
		Fusion	1
4	Video Editing	Adobe Premier Pro CC 2023	1
		Davinci resolve 18	1
5	UI & UX	Figma	1
		Adobe XD	1
6	Sound Design	Protools / Logic pro / Studio One / Cubase	1
7	2D Animation	Toon boom, Moho, Pencil 2D, Adobe Animate	1

### **Preview Theatre**

<b>S.No</b>	<b>Equipment</b>	<b>Brand</b>	<b>Qty</b>
1	Smart Projector	Sony VPL-VW790ES / or any other Equivalent Model	1
2	Computer	I7, 16gb ram 512SSD, Should be WIFI enabled, 4K video support, Blu-ray Player	1
3	Screen	120" Screen	1
4	Audio System	Sony HT-A9 SERIES (or)	1

		Lifestyle 650 Home Entertainment System / or any other Equivalent Model	
5	Microphone	Bose S1 Pro Bluetooth Speaker System Bundle with Battery, Shure PGA48 Microphone (or) Sony MHC-V13 with Microphone / or any other Equivalent Model	2
6	Platforms	Netflix, Hotstar, Prime Subscription	

### **Video Studio Equipment List**

<b>S. No</b>	<b>Equipment</b>	<b>Brand</b>	<b>Qty</b>
1	Video Camera	Panasonic HC-PV100GW (or) Panasonic AG CX7 4K 24x (or) Sony hxr-nx200 price / or any other Equivalent Model (SDI or HDMI out)	4
2	Video Mixer	Data video 2850 Switcher and Unit (or) Blackmagic ATEM Production Studio 4K with ATEM 1 M/E Advanced Panel (or) Blackmagic ATEM Mini Switcher / any other Equivalent Model	1
3	Audio Mixer	Yamaha MG12XU (or) Behringer Xenyx 802 / any other Equivalent Model	1
4	Computer	Editing Suite with i9 Processor, 32gb Ram, 1tb SSD, 4Gb Graphics Card, Dual 4K Display	2
5	Talk Back System	Camlink talk back / any other Equivalent Model	1
6	Screen	Curved Green Screen BG	1
7	Studio Lights	Parcans	10
8	Bank Lights	6 Bank Digitek	2
9	Bank Lights	4 Bank Digitek	4
10	LED Light	Digitek D520 / any other Equivalent Model	3
11	LED Light	Digitek D180 / any other Equivalent Model	3
12	Handheld Light	DigiTek DSL20W (or) Godox LC 500 / any other Equivalent Model	3
13	Ring Light	Digitek DRL 18R with stand (or) Godox Lr120 with stand/ any other Equivalent Model	3
14	Video Light	Godox SL200 III / any other Equivalent Model	2
15	Video Light	Godox SL300 III / any other Equivalent Model	2
16	Hard Light (Sun Gun)	DigiTek DPL 003 (or) Schsteindar 1000w	5
17	Baby Light	1kw Baby Spot	2
18	Light Stand	Heavy Duty Light stand	10
19	Tripod	POLAM-FOTO Professional Video Tripod System (or) Manfrotto 526 Video Head with 645 Fast Twin Carbon Tripod III / any other Equivalent Model	4

### VFX and Animation Studio Equipment List

<b>S. No</b>	<b>Equipment</b>	<b>Brand</b>	<b>Qty</b>
1	Computer	Intel I9, 32gb ram, 1tb SSD, 8gb Graphics Card, 27" Monitor (or) I Mac M2, 16gb ram, 1tb SSD	30

### Library Books

<b>S. No</b>	<b>Department Library</b>	<b>Description</b>	<b>Qty</b>
1	Books		300
2	Magazine and Newspaper subscription:	General Magazine Special English Newspaper Tamil Newspaper	5 5 2 3
	<b>Main Library books</b>	<b>Description</b>	<b>Qty</b>
1	First Year Level	300 Volumes	300
2	Second Year Level	500 Volumes	500
3	Third Year Level	500 Volumes	500
	(End of the third year)	<b>TOTAL</b>	1300