

9. RESOURCE REQUIREMENT

9.1 Physical Resources

9.1.1 Space requirement

Norms and standards laid down by AICTE may be followed to work out space requirement in respect of class rooms, tutorial rooms, drawings hall/studio, laboratories; space required for faculty, students amenities and residential areas for staff and students.

9.1.2 List of Equipment

Sr. No..	Particulars	Quantity Required
A.	DRAWING STUDIO	
1.	Work table with adjustable drawing boards with ebony edge 20" x 30" available in the market	1 per student
2.	Stool	1 per student
3.	Side stool	1 per student
4.	Air Brush with compressor with pen gum medium	2 Nos.
5.	Steel/wooden lockers for students one for each student	2 Nos.
6.	Easel	1 per student
7.	Dunkay	1 per student
8.	Platform (revolving throne) for life class	1 per 15 students
9.	Still life stand	1 per 15 students
10.	Partition screens	1 per 15 students
11.	Spot-light with stand	1 per 15 students
12.	Display stands/Boards made to order of steel tubes (which can be dismantled with seltotex boards size 4' x 8')	12
13.	Drappries for still life and model in different colours and textures	8 of 2 meters each 4 of 6 meters each
14.	Bottles of different sizes and shapes and colour	12
15.	Metal wares	12
16.	Helmet, Cooker, Mixi, Press, Hair dryer, Telephone instrument	1 each

Sr. No.	Particulars	Quantity Required
17.	Porcelain objects	12
18.	A set of geometrical forms in wood	1 set
19.	Geometrical instrument box	1 per teacher
20.	A pair of set square (transparent)	1 per student
21.	Steel ruler 24"	1 per student
22.	Scissors	1 per teacher
23.	Uno stencil sets	3 sets
25.	Repidograph Pen Sets	3 sets
B.	COMPUTER LABORATORY	
1.	PC -Latest version with highest speed processor	10
2.	Inkjet Printer (coloured)	2
3.	Laser Printer	1
4.	Softwares related to Graphics	-
C.	PHOTOGRAPHY STUDIO AND DARK ROOM	
1.	Air Conditioner	
2.	Exhaust Fan	
3.	Enlarger (Professional)	1
4.	Soft light and their filter 8" x 10"	3
5.	Enlarging Lens 3.5/50mm & 75 mm.	One each
6.	Trimmer 12"	1
7.	Plastic Dishes 12" x 15", 16" x 20"	8
8.	Print Paddle/Print lefter	8
9.	Professional contact Printer	1
10.	Plastic Bucket	2
11.	Plastic Jerry Canes 5 litre	6
12.	Roll Film Dryer	1
13.	Studio light with stand	3
14.	Camera stand Heavy duty	1
15.	SLR 35 mm Camera Canon/Nikon/or any other make with zoom, wide & Normal lens.	1

Sr. No.	Particulars	Quantity Required
16.	Exposure meter	1
17.	Digital Camera (Latest Model)	1
18.	Scanner (Flat Bed)	1
19.	Exposure Timer	1
20.	Processing Timer	1
21.	Lab Thermameter	
22.	Heater	
D.	EQUIPMENT FOR SILK SCREEN PRINTING	
1.	Tables with hinged batton	25 Nos.
2.	Stools	25 Nos.
3.	Screen Frames (Different sizes)	50 Nos.
4.	Exposing Frame	5 Nos.
5.	Heater	2 Nos.
6.	Hammers	2 Nos.
7.	Plier	2 Nos.
8.	Scissors	10 Nos.
9.	Aluminium Containers for Heating Water	4 Nos.
10.	Plastic Mugs	10 Nos.
11.	Enamelled Trays Plastic (different sizes)	10 Nos.
12.	Bucket 20 Litres Plastic	2 Nos.
E.	EQUIPMENT FOR MODEL MAKING (SCULPTURE)	
1.	Moulds (at least 5 different types)	5
2.	Tank for clay size 6' x 8'	1
3.	Tub	1
4.	Bucket	1
5.	Spade	1
6.	Khurpa	2
7.	Sieve	2
8.	Wooden Hammer	10
9.	Drawing Board (Indian Binda) for Clay	20

Sr. No.	Particulars	Quantity Required
10.	White Board size (4' x 6')	1
11.	Multi Colour Marker	One set
F.	EQUIPMENT FOR WOOD CRAFT	
1.	Combined surface & Thicknesser	1 No.
2.	Rise & Full circular saw machine (300 mm dia blade)	1 No.
3.	Wood turning lathe 150 mm height of center 1.75 meter bed with motorized a) Turning Tools (set of 8)	2 Nos.
4.	Tenoning machine (single ended)	2 sets
5.	Mortising machine (Combined hollow chisel & chain)	1 No.
6.	Bench Grinder 200 mm wheel D. Epedestal	1 No.
7.	Drill machine 12mm capacity (Pillar type)	1 No.
8.	Drill chuck 12mm capacity with key	1 No.
9.	Portable Electric drill 6mm capacity with key (wolf type)	2 No.
10.	Portable Disc. Sander 200 mm dia	1 No.
11.	Electric Blower	1 No.
12.	Electrical heater 1000/1500 w	1 No.
13.	Moisture meter	1 No.
14.	Electrical Drying oven (Small type)	1 No.
16.	Band saw machine (narrow type)	1 No.
17.	Electric Brazer (for brazing Band saw blade)	1 No.
18.	Universal wood working machine	1 No.
19.	Grease gun	2 Nos.
20.	Fire extinguisher	4 Nos.
21.	Adjustable Saw sharpener	1 No.

9.1.3 Furniture Requirement

Norms and standards laid down by AICTE be followed for working out furniture requirement for this course.

9.2 Human Resource Requirement

Weekly work schedule, annual work schedule, student-teacher ratio for various group and class size, staffing pattern, work load norms, qualifications, experience and job description of teaching staff, workshop staff and other administrative staff may be worked out as per norms and standards laid down by AICTE

However, following are the suggested qualifications and experience for the teaching faculty.

QUALIFICATIONS (Only suggestive)

	Nos.	Experience in the relevant field
Lecturer		
- B.F.A (Professional) with specialization in Applied Art or Equivalent	2	Nil
- B.F.A (Professional) with specialization in Graphics or Equivalent	1	Nil
- B.F.A. (Professional) with specialization in Sculpture or Equivalent	1	Nil
Sr. Lecturer		
B.F.A (Professional) or Equivalent	1	5 years
H O D		
- B.F.A (Professional)	1	5 years

10. RECOMMENDATIONS FOR EFFECTIVE IMPLEMENTATION OF CURRICULUM

The following recommendations are made for effective implementation of this curriculum.

- a) While imparting instructions, stress should be laid on the development of practical skills in the students.
- b) Field visits be organized as and when required to clarify the concepts, principles and practices involved. For this purpose, time has already been provided in student centred activities
- c) Extension lectures from professionals should be organised to impart instructions in specialised areas
- d) There is no need of purchasing very costly equipment. Efforts may be made to establish linkages with local industries/field organizations
- e) Considerable stress should be laid on personality development of the student, which is very essential for any diploma holder
- f) Teachers should generate competitiveness among the students for the development of professional skills.
- g) Teachers should take interest in establishing linkages with industries and field organizations for imparting field experiences to their students
- h) Hobby clubs and other co-curricular activities be promoted to develop creativity in the students
- i) Teachers should be sent for training in the new areas relevant to their field of specialization
- j) Students should be given relevant and well thought out project assignments. This will help students in developing creativity and confidence in them for gainful employment (wage and self)
- k) A **project bank** should be developed by the Applied Art and Craft department of the polytechnic in consultation with Art and Craft industry.

11. LIST OF PARTICIPANTS

The following experts participated /contributed in the design of curriculum for diploma programme in Applied Art and Craft for design of first year for Haryana state held on 18-19 August, 2003 at National Institute of Technical Teacher's Training and Research, Chandigarh.

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