

COUNCIL OF ARCHITECTURE
(Statutory body of Govt. of India under the Architects Act, 1972)

EVALUATION SYSTEM FOR SCHOOLS

In order to bring transparency in the evaluation of the schools at the time of Inspections, following detailing is done in order to bring clarity with reference to minimum standards of Architectural Education 2008, prescribed by COA.

DETAILING OF INFRASTRUCTURE REQUIREMENTS BASED ON MINIMUM STANDARDS

A: SPACE

Sr. No.	Year of Operation →	1 st Year			2 nd Year			3 rd Year			4 th Year			5 th Year			Remarks
	Sanctioned Intake →	40	80	120	40	80	120	40	80	120	40	80	120	40	80	120	
	Activity Spaces (Carpet Area)																
1.	Studio - 120 sq. m each	1	2	3	2	4	6	3	6	9	4	8	10	4	8	10	Flexibility in terms of studio spaces can be based on local conditions, provided that area of 3 Sq. M. per student of sanctioned intake is made available. In case of e-studios, the requirement of the space for such studios may be reduced by 20%
2.	Class room - 60* sq. m each	1	2	3	2	4	6	3	6	8	3	6	9	3	6	8	*- Maximum 2 class rooms can be combined together to cater to theory class of maximum 80 students i.e. 120 sq.m. Provided with digital projection facilities and sound amplifier system.
3.	Labs and Workshops - 60 sq. m each	2	2	2	2	3	4	3	4	5	3	4	5	3	4	5	
4.	Computer Centre - 60 sq. m	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	
5.	Art court	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	80 to 100 Sqm of Semi open /covered area for Display/ working of Painting & Sculpture related activities

6.	Multipurpose Hall 400 sq. m 600 sq.m												1	-		1	-	
7.	Resource Centre - 60 sq. m	-	-	-	-	-	-	-	1	1	-	1	1	1	1	1	1	Documentation included.
8.	Library - 120 sq. m 150 sq.m 200 sq. m							-	1	-	1	-	-	1	-	-	Desirable: 0.5 sq. m per student of sanctioned strength upto 3 rd Year even when not mentioned.	
9.	Submission & Exam Room 30 sq. m 60 sq. m 90 sq. m							1	-	-	1	-	-	1	-	-		
10	Students' Centre 30 sq. m 60 sq. m 90 sq. m							1	-	-	1	-	-	1	-	-		
11	Girls' Common Room 30 sq. m 60 sq. m							1	-	-	1	-	-	1	-	-	With attached toilets and rest room	
12	Boys' Common Room 30 sq. m 60 sq. m							1	-	-	1	-	-	1	-	-	With attached toilets and rest room	
13	Staff Rooms / Cabins - Professor- 12 sq. m each Associate Professor- 8 sq. m each Assistant Professor- 6 sq. m each																As per the COA faculty norms in the yearly progressive fashion	
14	Staff Lounge 30 sq. m 60 sq.m							1	-	-	1	-	-	1	-	-	For Visiting Faculty	
15	Principal's Cabin - 30 sq.m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	with waiting lobby	
16	Administrative Office - 30 sq. m 60 sq.m	1	-	-	1	-	-	1	-	-	1	-	-	1	-	-		
17	Toilets, Corridors, Lobbies, Store, Parking etc.																As per building standards	
18	Construction Yard - 200 sq. m																Open space activity from second year onwards	

Desirable Activity Spaces

1. Canteen
2. Tuck shop / Stationary Shop
3. Reprography Section
4. Open air theatre with stage
5. Permanent Exhibition space
6. Provision for outdoor sports facility

Any additional facility as per the requirement of Institution/ Syllabus

Recommended Labs:

1. Climatology/ Environment*
2. Surveying*
3. Materials Testing
4. Electrical
5. Plumbing and Sanitation
6. Lighting/ Illumination
7. Acoustics

Any additional facility as per the requirement of Institution/ Syllabus

Recommended Workshops

1. Model making*
2. Carpentry*
3. Metal craft

*Note: Labs / workshops with * are mandatory. Labs, workshops and other desirable facilities may be shared with other institutes of same parent body in the same campus.*

LAND REQUIREMENTS:

2 Acres of land. (Approx. 8000 Sq. M.)

- Notes:**
1. For the Intake of 160 the calculations of 120+40 shall be adopted.
 2. Depending on local conditions, the areas mentioned above may vary by up to 10%.
 3. When classrooms are integrated with studios, carpet area of 180 Sq. M. should be available. In such case, requirement of independent classrooms could be reduced accordingly.

B: LIBRARY FACILITIES

1. Minimum 300 books on subjects of Architecture shall be available in the library for the intake of 40 (including minimum 100 titles) at the time of 1st Inspection.
2. Add 150 books on subjects of Architecture (including minimum 50 titles) for every additional intake of 40.
3. From second year onwards, minimum 150 books on subjects of Architecture (including minimum 50 titles) for every year per intake of 40.
4. Library of established schools, having more than 5000 books; should acquire minimum 50 titles on subjects of Architecture per intake of 40 every year.

5. Journals and Periodicals of architectural relevance shall be as below -

Intake/ Year	I		II		III		IV		V	
	International (INT)	National (NAT)	(INT)	(NAT)	(INT)	(NAT)	(INT)	(NAT)	(INT)	(NAT)
40	1	4	1	4	2	8	2	8	3	12
80 and above	1	4	2	5	2	8	3	12	4	16

Desirable: e-books and e-journals along with computer terminal with net facility for reference.

At least 2 Refereed journals (Min. 1 international) per intake of 40 shall be subscribed.

C: COMPUTER CENTER

Intake/ Year	I	II	III	IV	V
40/ 80/ 120	10	20	40	40	40

Requisite licensed software and peripherals such as printers, plotters, scanners, etc. shall be available at the computer center.

Upgrading of systems (hardware and software) shall be done at least once every three years.

Broadband internet connectivity of appropriate bandwidth shall be available to all computers.

Desirable:

All faculty and staff shall be provided with individual/ personal computers in addition to above computer center requirements.

Wi-Fi connectivity throughout the campus freely accessible to faculty and students.

D: EQUIPMENT AND FURNITURE:

Every School should have adequate Furniture in terms of Drafting Tables and Stools, Bench Desks, Chairs Tables, Storage facilities, etc. based on the sanctioned Intake.

Audio Visual equipment and Digital aids should be adequate in number so as to meet the contemporary needs.

The Laboratory Equipment shall be as per the requirement of Curriculum.

Suggested Equipment for Labs

Surveying: Measuring tapes, Dumpy level, Theodolite, Ranging rods, etc. OR Total station

Climate: Thermometers, Rain gauge, Wind cock, Sun orbit table, etc.

Material testing: Universal testing machine, Concrete block moulds, etc.

Workshop: Tables with vice, Carpentry tools, Mason's tools, etc.

E. STAFF REQUIREMENT :

FULL TIME TEACHING STAFF :

year	I				II				III				IV				V				Total
	Prin	Prof	Asso	Asst	Prin	Prof	Asso	Asst	Prin	Prof	Asso	Asst	Prin	Prof	Asso	Asst	Prin	Prof	Asso	Asst	
40	1	0	1	1	1	0	2	3	1	1	2	5	1	1	3	7	1	2	4	8	15
80	1	0	2	3	1	1	3	7	1	2	5	10	1	3	6	14	1	4	8	16	29
120*	1	1	3	4	1	2	5	10	1	4	7	15	1	5	10	20	1	6	12	24	43

*These numbers are for institutes where intake of 120 is already granted at commencement. For new institutes where additional intake of 40 is granted after first batch of 80 completes stage 1, faculty requirement shall be calculated separately for intake of 80 at IV year + intake of 40 at I year.

Notes :

1. Minimum 50 % Teaching Faculty on cadre wise Regular basis is must. Balance, up to 50% can be Faculty on cadre wise Tenure basis.
2. Maximum 20 % variation in number is permissible in case of Institutions having one year/ two semester practical training. However the same would be applicable at the level of Vth year only.
3. Only candidates registered with Council of Architecture (COA) under the provisions of the Architects Act, 1972 shall be eligible for the above posts subject to minimum qualifications and experience as prescribed by COA.
4. In addition to above, approximately 25% of the teaching load should be allotted to the Visiting faculty drawn from profession.
5. In addition to above full time teachers institute may recruit qualified persons in the field of Engineering/ Fine Arts/ Humanities, etc. depending on actual requirements, on full time/ part time basis.

NON TEACHING STAFF

Sr	Position	Intake									Remarks
		40			80			120			
Year of operation		I	II	III	I	II	III	I	II	III	
1	Librarian	1	1	1	1	1	1	1	1	1	Qualifications As per UGC
2.	Assistant Librarian	-	-	-	-	-	-	-	-	1	Desirable
3	Lab/ Workshop Supdt	-	1	2	-	1	2	1	2	2	Min one for computer centre
4	Physical training instructor	-	-	-	-	1	1	1	1	1	Desirable
5	Administrative and Accounts personnel	1	2	3	2	3	4	3	3	4	
		1	1	1	1	1	2	2	2	2	
6	Class IV employees	As required									

100 point scale for Evaluation of Schools based on Minimum Standards

The following marking system would be adopted with reference to above detailing based on minimum standards for Architectural Education 2008, as prescribed by COA.

A: NEW INSTITUTIONS

SCORE SHEET					
Sr.	Description	Weightage	Required	Available	Score
A	SPACE (Max 100)				
1	Studios Required no. Gross Area Sq.M.	15 20			
2	Labs & Workshop	10			
3	Library	10			
4	Principal	5			
5	Admin area	5			
6	Staff rooms	5			
7	Lecture rooms & AV room	15			
8	Matl Museum – Yes 5 No 0	5			
9	Toilets, Corridors, Lobbies, Parking etc. <i>Adequacy to be judged by the experts</i>	10			
	TOTAL	100			
	<i>For Nos 2-7 Score shall be on gross area</i>				
Sr.	Description	Weightage	Required	Available	Score
B	STAFF - TEACHING (Max 100)				
1	Required number with basic qualifications	70			
2	Principal with qualifications and experience	30			
	TOTAL	100			
Sr.	Description	Weightage	Required	Available	Score
C	STAFF - NON TEACHING (Max 100)				
1	Adequate Library staff	20			
2	Adequate Admin staff	30			
3	Adequate accounts staff	20			
4	Adequate class IV employees <i>Adequacy to be judged by the experts</i>	10			
5	Campus maintenance arrangements <i>Adequacy to be judged by the experts</i>	5			
6	Security personnel <i>Adequacy to be judged by the experts</i>	5			
7	Skills up-gradation initiative <i>Adequacy to be judged by the experts</i>	5			
8	Group and medical insurance <i>Adequacy to be judged by the experts</i>	5			
	TOTAL	100			
Sr.	Description	Weightage	Required	Available	Score

D	BOOKS, FURNITURE, EQUIPMENT, COMPUTERS				
1	Titles	30			
2	Volumes	20			
3	Workstations & Lockers in studio (Table space for Board + model) <i>Adequacy to be judged by the experts</i>	15			
4	Workstations & Lockers in faculty room <i>Adequacy to be judged by the experts</i>	5			
5	Lab equipment - Surveying, climatology, materials testing, services, models, <i>Adequacy to be judged by the experts</i>	10			
6	Number of computers with software	10			
7	Digital Aids, Printing and scanning equipment <i>Adequacy to be judged by the experts</i>	10			
	TOTAL	100			

B. EXISTING INSTITUTIONS:

SCORE SHEET					
<i>Sr.</i>	<i>Description</i>	<i>Weight age</i>	<i>Required</i>	<i>Available</i>	<i>Score</i>
A	SPACE (Max 100)				
1	Studios Reqd no. Gross Area Sqm	15 15			
2	labs & workshop	10			
3	Library	10			
4	Principal and Admin area	5			
5	Computer centre	5			
6	Staff rooms	5			
7	Lecture rooms & AV room	15			
8	Material Museum & Resource Centre (If yes 2.5 marks each)	5			
9	Toilets, Girls' Common room, NASA Room, Students Activity Center (2 each) <i>Adequacy to be judged by the experts</i>	10			
10	Construction Yard and Art court	5			
	TOTAL	100			
	For nos 2-7 Gross area in SqM				

<i>Sr.</i>	<i>Description</i>	<i>Weight age</i>	<i>Required</i>	<i>Available</i>	<i>Score</i>
B	STAFF - TEACHING (Max 100)				
1	Required number with basic qualifications	30			
2	Principal with qualifications and experience	5			
3	Minimum 50% of fulltime teachers are regular	10			
4	Professors	7			
5	Asso. Professors	8			
6	Asst. Professors	5			
7	Visiting faculty for 25% teaching load <i>Adequacy to be judged by the experts</i>	10			
8	Adequate faculty for allied fields	5			
9	For regular teachers payment as per prevalent scale, DA & Allowances at par <i>Adequacy to be judged by the experts</i>	10			
10	Faculty development – QIP / Research / Publications / Sponsorship for PG PhD <i>Adequacy to be judged by the experts</i>	10			
	TOTAL	100			
<i>Sr.</i>	<i>Description</i>	<i>Weight age</i>	<i>Required</i>	<i>Available</i>	<i>Score</i>
C	STAFF - NON TEACHING (Max 100)				
1	Qualified Library staff	20			
2	Qualified Computer Lab technician & workshop superintendent	10			
3	Adequate Admin staff	20			
4	Adequate accounts staff	10			
5	Adequate class IV employees	10			
6	Campus maintenance arrangements <i>Adequacy to be judged by the experts</i>	5			
7	Security personnel <i>Adequacy to be judged by the experts</i>	5			
8	Implementation of Provident fund as per norms	10			
9	Skills up-gradation initiative <i>Adequacy to be judged by the experts</i>	5			
10	Group and medical insurance	5			
	TOTAL	100			

<i>Sr.</i>	<i>Description</i>	<i>Weight age</i>	<i>Required</i>	<i>Available</i>	<i>Score</i>
D	BOOKS, FURNITURE, EQUIPMENT, COMPUTERS				
1	Titles	20			
2	Volumes	10			
3	Journals national	10			
4	Journals international	10			
5	e-library	5			
6	Workstations & Lockers in studio (Table space for Board + model) <i>Adequacy to be judged by the experts</i>	5			
7	Workstations & Lockers in faculty room <i>Adequacy to be judged by the experts</i>	5			
8	Workshop and Lab equipment - Surveying, climatology, materials testing, services, models, <i>Adequacy to be judged by the experts</i>	10			
9	Samples in Material museum <i>Adequacy to be judged by the experts</i>	5			
10	Number of computers less than 3 years old with software	10			
11	Digital Aids, Printing and scanning equipment <i>Adequacy to be judged by the experts</i>	10			
	TOTAL	100			
<i>Sr.</i>	<i>Description</i>	<i>Weight age</i>	<i>Score</i>	<i>Remarks</i>	
E	QUALITATIVE ASSESSMENT OF ACADEMIC WORK				
a.	Students work				
1	Design (Arch. Design, Basic Design, Urban Design, Project, Graphics, etc.)	25			
2	Technology (Construction, Structures, Services, Specifications, etc.)	20			
3	Humanities & Environment (History, Humanities, Landscape, etc.)	15			
4	Professional , Town planning, etc.	10			
b.	Faculty and other				
5	Papers / Books authored by the faculty and published.	5			
6	Seminars / Workshops organized.	5			
7	Initiative to address societal concerns	5			
8	Study tours	5			
9	Participation of faculty in QIPs / TTPs (Sponsored by the institute)	5			
10	Participation in NASA and NIASA Thesis awards program.	5			
	TOTAL	100			

Master Sheet

Sr. No.	Category	Infrastructure				Human Resources				Quality of Students work and Research		Final Score out Of 100
		Activity Spaces		Furniture, Books, Equipment, computers		Teaching	Non Teaching	Total of Teaching & Non-teaching		Max	Min	
		Max	Min score reqd to qualify	Max	Min score reqd to qualify	Max	Max	Max	Min score reqd to qualify			
1	New Proposal	50	30	30	20	15	5	20	15	--	--	65
2	Continuation of Approval in existing schools	25	20	15	10	25	5	30	20	30	--	60
3	Addition of Intake (Computation for existing batches)	15	15	15	12	25	5	30	25	40	--	75

Note:

1. Independent formats are developed for every component on 100 point scale. The same has to be transferred on proportionate basis in the Master Sheet.
2. Minimum score required in each sub section of every category is as mentioned above.
3. For Sr. No. 3, marks to be allotted for the existing batches in addition to the format for new proposal at Sr. No. 1. (Justification supporting the score needed)