



Vishnu Waman Thakur Charitable Trust's

VIVA SCHOOL OF ARCHITECTURE

Approved by Council of Architecture, New Delhi and Affiliated to University of Mumbai

Website: www.vivaarch.org

E-mail : principal@vivaarch.org & admin@vivaarch.org

Shri. Hitendra V. Thakur
President

Ms. Aparna P. Thakur
Secretary

Prof. Chakor A. Mehta
Principal

2.4 TEACHER PROFILE AND QUALITY

2.4.1 PERCENTAGE OF FULL-TIME TEACHERS AGAINST SANCTIONED POST DURING THE LAST FIVE YEARS

Sanctioned letters indicating number of posts sanctioned by the competent authority (including Management sanctioned posts)

| Sr. No. | Description of Documents |
|---------|---|
| 1. | Selection Committee Report |
| 2. | Council of Architecture (Rules and Regulations) |
| 3. | Required faculty for last five academic year as per CoA Norms |

Late Shri. Vishnu Waman Thakur Charitable Trust

(Trust Regd. No. E-930 - Thane / Dated 31-5-1988)

Thakur Niwas, Raja Chhatrapati Shivaji Marg, Virar (West), Dist. Palghar, Pin - 401 303.
Tel. : (0250) - 2502315, 2515275, 2502601

Ref. No.: _____

Date : 21/01/2019.

Minutes of Selection Committee Report

A meeting of the Selection Committee as per norms of Council of Architecture (CoA) to make recommendations to the Managing Committee of Late Shri. Vishnu Waman Thakur Charitable Trust's VIVA School of Architecture (Institute Code: MH-53) was held on Monday January 21, 2019 in Conference Room, Third Floor, VIVA College, Virar (West), Dist. Palghar for appointment of the following posts:

Associate Professor - 01

Assistant Professor - 03 Identified for academic session 2019-20

The Selection Committee at its meeting held on January 21, 2019 at VIVA College, Virar interviewed the candidates.

The Selection Committee adopted CoA Faculty Norms as attached in the appointment letter of it's nominee Ar. Gurunath V. Dalvi (as instructed by CoA vide its Letter No. -Ref No. CA/5/Academic-MH53 dated : December 17, 2018) for consideration of qualifications, experience, knowledge of the subject and performance of the candidates at the time of interview, unanimously recommended to the Managing Committee of the VIVA School of Architecture the names of the following in order of merit for the appointment to the post as mentioned below.

The following candidates are recommended in order for the appointment:

Associate Professor:

1. Ar. Arun S. Sawant (Tenure – 3 Years) CoA Regn. No. - CA / 2007 / 40968



Late Shri. Vishnu Waman Thakur Charitable Trust

(Trust Regd. No. E-930 - Thane / Dated 31-5-1988)

Thakur Niwas, Raja Chhatrapati Shivaji Marg, Virar (West), Dist. Palghar, Pin - 401 303.
Tel. : (0250) - 2502315, 2515275, 2502601

Ref. No.: _____

Date : 21/01/2019

Continuation Page No. -01

Assistant Professor:

- | | | | |
|----|------------------------|--------------------|-----------------------------------|
| 1. | Ar. Ravindra S. Kulaye | (Tenure – 3 Years) | CoA Regn. No. - CA / 2014 / 63850 |
| 2. | Ar. Archana D. Patil | (Tenure – 3 Years) | CoA Regn. No. - CA / 2006 / 38375 |
| 3. | Ar. Aditya R. Sutar | (Tenure – 3 Years) | CoA Regn. No. - CA / 2015 / 68291 |
| 4. | Ar. Mitesh R. Bhojani | (Tenure – 3 Years) | CoA Regn. No. - CA / 2016 / 77091 |

Selection Committee Comprised of the following members:

Name of Selection Committee Member
& Designation

Signature of the
Member

1. Ar. Gurnath Vasantrao Dalvi
Nominee, Council of Architecture



2. Prof. Y. D. Pitkar
Subject Expert



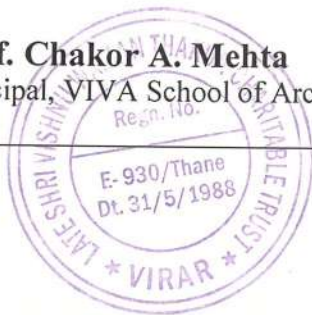
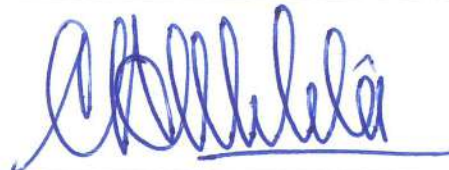
3. Ms. Aparna P. Thakur
Secretary, VIVA Trust



4. Shri. Sanjeev Y. Patil
Managing Committee Member, VIVA Trust



5. Prof. Chakor A. Mehta
Principal, VIVA School of Architecture





Late Shri. Vishnu Waman Thakur Charitable Trust's

VIVA SCHOOL OF ARCHITECTURE

New Building, VIVA Campus, Shirgaon, Virar (East), Dist. Palghar, Maharashtra - 401 305.

E-mail : vivaarch@vivacollege.org & vivaschoolofarch@gmail.com

Phone : 0250 - 6908090

Fax : 0250 - 2515275

Institute Code : MH-53

Approved by Council of Architecture, New Delhi and Affiliated to University of Mumbai

Attendance Record of Interviews for Faculty Selection

Venue : VIVA College, Conference Room, Second Floor, Virar West, Dist. Palghar

Date of Interview for Faculty Selection - January 21, 2019.

| Sr. No. | Candidate's Name | Post Applied | Candidate's Signature |
|---------|------------------------|---------------------|---|
| 1 | Ar. Arun S. Sawant | Associate Professor | |
| 2 | Ar. Ravindra S. Kulaye | Assistant Professor | |
| 3 | Ar. Aditya R. Sutar | Assistant Professor | |
| 4 | Ar. Archana D. Patil | Assistant Professor | |
| 5 | Ar. Mitesh R. Bhojani | Assistant Professor | INTERVIEWED ON TELEPHONE BY SELECTION COMMITTEE |



21/1/19
Principal
VIVA SCHOOL OF ARCHITECTURE

21/1/2019
DM
21/1/19



MH53

Council of Architecture CoA <coasoa@gmail.com>

Mon, Dec 17, 2018 at 12:36 PM

To: dalvi_gurunath@hotmail.com, Admin <vivaschoolofarch@gmail.com>, Principal Viva arch
<principalarch@vivacollege.org>

Ref.No.CA/5/Academic-MH53

December 17, 2018

The Principal
VIVA School of Architecture
New Building, VIVA Campus
At.Shirgaon, Virar (E)
Dist.Palghar-401305 (Maharashtra)
Tel: 0250-6908090, Mb.09869330802, 08108380451
Fax: 0250-2515275, 2502542
E-Mail: vivaschoolofarch@gmail.com
principalarch@vivacollege.org

Dear Sir/Madam

I have to refer to your letter in connection with nominee of Council of Architecture (COA) on the selection committee for selection of architecture teaching faculty, as and when scheduled at your institution.

In this regard, the President, COA, is pleased to nominate, Ar. Gurunath Vasantrao Dalvi as the COA's nominee on the Selection Committee at the above said institution. The above nomination shall be valid for a period of 6 months.

The selections are to be made as per the Minimum Standards of Architectural Education prescribed by the Council and are available at the website of the CoA i.e. www.coa.gov.in. A copy of the COA Norms is attached.

Please arrange to pay TA/DA and extend local hospitality to the nominee for visit.

Yours faithfully,

R.K.Oberoi
Registrar

CC:

CA/75/1968

Ar. Gurunath Vasantrao Dalvi

159, Sagar Co-Op. Housing Society,
Mahim Causeway Mahim

For information, with a request to kindly attend the meeting of selection committee, for selection of architecture teaching faculty, as and when scheduled at the above said institution.

Mumbai-400016 (Maharashtra)

Tel: 022-24466555 ®

Mb.09820301648

E-mail: dalvi_gurunath@hotmail.com

You are also requested to send a report to the CoA
on conclusion of the interview.

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Registrar
Council of Architecture
India Habitat Centre
Core 6A, 1st Floor, Lodhi Road
New Delhi-110003
Tel: 011-49412100
Fax: 011-24647746

Web: www.coa.gov.in

E-Mails:
coasoa@gmail.com

 **COA Faculty Norms.pdf**
996K

**C. MINIMUM QUALIFICATIONS, EXPERIENCE AND STRUCTURE FOR TEACHING
POSTS IN DEGREE LEVEL ARCHITECTURAL INSTITUTIONS**

| Sl.No. | Designation | Pay-Scale | Qualifications & Experience |
|--------|---------------------|---|--|
| 1. | Assistant Professor | Pay-Scale as prescribed by Central/respective State Government from time to time. | <p>Bachelor's Degree in Architecture with minimum 60% marks and Three years of relevant professional experience.</p> <p>OR</p> <p>Bachelor's Degree in Architecture and Master's Degree in Architecture with minimum 60% marks at either level and one year of relevant professional experience.</p> |
| 2. | Associate Professor | Pay-Scale as prescribed by Central/respective State Government from time to time. | <p>Bachelor's Degree in Architecture and Master's Degree in Architecture with minimum 60% marks at either level and</p> <p>Eight years experience in teaching/ research/ professional work out of which a full-time teaching experience of minimum Three years</p> <p>Or</p> <p>Thirteen years of professional experience.</p> |
| 3. | Professor | Pay-Scale as prescribed by Central/respective State Government from time to time. | <p>Bachelor's Degree in Architecture and Master's Degree in Architecture with minimum 60% marks at either level and</p> <p>Fourteen years experience in teaching/ research/ professional work out of which a full-time teaching experience of minimum Five years</p> <p>Or</p> <p>Nineteen years of professional experience.</p> <p>Desirable : Ph.D. in Architecture.</p> |
| 4. | Principal/ Director | Pay-Scale as prescribed by Central/respective State Government from time to time. | <p>Bachelor's Degree in Architecture and Master's Degree in Architecture with minimum 60% marks at either level and</p> <p>Seventeen years experience in teaching/ research/ professional work</p> |

| | | | |
|----|-----------------------------|--|---|
| | | | experience of minimum Eight years Or Twenty years of professional experience. Desirable : Ph.D. in Architecture. Experience in Administration at a responsible position. |
| 5. | Professor (Design Chair) | Pay-Scale as prescribed by Central/respective State Government from time to time. | Bachelor's Degree in Architecture and Twenty Five years professional experience of commendable, acknowledged and published professional work. (Each institution may have one such appointment per intake of 40, strictly on tenure basis.) |

Note :

1. It is advisable that approx. 25% of the teaching load should be allotted to the visiting faculty so that the students are brought in closer contact with the persons actively engaged in practice.
2. Each institution may have a staff structure (faculty) consisting of the following:
Principal/ Director and Professors, Associate Professor and Asstt. Professors in the ratio of **1:2:6**. Refer Table A under Appendix-B.
3. The Institutions may recruit faculty in the field of Engineering/Qty. Surveying/Art/Humanities depending on the actual requirements against the total sanctioned strength. Refer Table A under Appendix-B.
4. The equivalent qualification shall mean any such qualification as recognised by the Council of Architecture for registration as an Architect under section 25 of the Architects Act, 1972.
5. The Institution may appoint Professor (Design chair).

1.0 Explanations:

- 1.1 Experience shall mean professional experience and/or Teaching and/or Research in the field of Architecture, counted from the date of registration with Council for core faculty or valid equivalent certification from concerned authorities. Professional experience shall be

substantiated by Experience certificates from employers, Work orders, Completion certificates & Sample Drawings of the projects undertaken as the case may be.

- 1.2 Full time faculty means a registered architect, who has put up full time service as a faculty member with the institutions approved by COA, either on regular (Permanent) or tenure basis (full time).
- 1.3 Section-D attached to this Appendix provides an indicative list of programs considered equivalent to M. Arch. Degree for the purpose of employment in the Institutions imparting Architectural education. This list will be notified by Council of Architecture from time to time.
- 1.4 Undergraduate qualifications acquired through self-study / non-formal mode though acceptable for purpose of Registration shall not be considered as equivalent Qualification for recruitment as faculty. However, such candidates with Post Graduate qualification in Architecture through formal mode are acceptable for Teaching. Post graduate qualification acquired through self-study/ non formal mode shall not be considered as acceptable qualifications.
- 1.5 Ph.D. shall be Doctorate conferred by recognized Indian Universities on any topic related to various subjects related to Architecture. Ph.D. awarded by universities outside India shall be considered equivalent only after such certification from Association of Indian Universities and/or any other competent authority of the Central/State Government.
- 1.6 Published Professional Work shall mean publication of Professional Work by candidate in any journal(s) or reputed magazine(s) related to design/architecture.

2.0 Other Notes:

- 2.1 Only candidates registered with Council of Architecture (COA) under the provisions of the Architects Act, 1972 shall be eligible for the above posts.
- 2.2 All the qualifications appearing in the schedule of qualifications under section 14 or notified under 15 of the Architects' Act 1972 shall be considered at par with Bachelor's Degree in Architecture for the purpose of recruitment as faculty member.
- 2.3 (i) Each Institution shall have minimum staff of 20 faculty members for an intake of 40, including the Principal / Head of Department. The staff structure prescribed by the Council for an intake of 40 shall be 15 full time faculty with minimum 12 core faculty including the Principal/Head, 3 faculty from allied areas and 5 visiting faculty teaching equivalents. The cadre ratio for full time faculty shall be Principal (Professor Cadre) – 1, Professors- 1, Associate Professors- 3 and Assistant Professors – 10.

- (ii) Each institution may have one position of full time Professor (Design Chair) for every intake of 40 and may be counted against the Professor Cadre provided one Full-time Professor is already appointed.
- (iii) For intake more than 40, proportionate increase in the above posts shall be made as outlined in Appendix B
- (iv) The full time faculty in allied areas shall be governed by norms prescribed by the AICTE/ UGC respectively for employment and up gradation
- (v) Of these full time faculty members, minimum 50% must be on permanent posts/ regular appointments and rest may be on tenure/ contract basis (full time). However, Principal / Head of Institution shall be a regular (permanent) Employee.
- (vi) 12 hours/ periods of contact within the working week is considered as one teaching equivalent for visiting faculty.

2.4 If a grade point system is adopted the CGPA will be converted into equivalent marks as given in the table E-6 of the notification no. 1-65/NEC/98-99, March 15, 2000 (Degree level – Government institutions) and May 3, 2000 (Degree level – Self-financing institutions)

| Grade point | Percentage of Marks |
|-------------|---------------------|
| 6.25 | 55 |
| 6.75 | 60 |
| 7.25 | 65 |
| 7.75 | 70 |
| 8.25 | 75 |

- 2.5** All full time, regular faculty members must be paid the remuneration/ salary prescribed by University Grants Commission or such other Government body, in force at the time of appointment and duly revised from time to time.
- 2.6** To recognize the services rendered by senior faculty members who do not fit into above requirements, and are already in full-time employment at the same Institution for 15 years, the requirement of qualifications may be relaxed only once in the career for promotion to higher post, except for the post of Principal / Head of Department

- 2.7** All faculty members must be encouraged to actively pursue practice / research without neglecting their duties towards Institution / students and with due permission from the institution.
- 2.8** Service conditions of affiliating university and respective government for faculty members shall be applicable to all full time permanent faculty members.
- 2.9** The Retirement Age including Superannuation for Teaching posts of Assistant Professor, Associate Professors and Professors, including Professor (Design Chair) shall be 65 years or as stipulated by the Central/ State Government from time to time. Re-employment after superannuation shall be permissible against sanctioned vacancies and the faculty may continue to serve until the age of 70 but shall not hold an administrative position.
- 2.10** An Architecture degree program graduate who does not possess M. Arch. (or equivalent) or any experience, shall become eligible for the post of Assistant Professor, after undergoing a Training Program of minimum period of 3 to 6 months conducted by Research & Training Centre of the Council and upon qualifying Faculty Eligibility Test to be conducted by the Council.

**D. LIST OF POST GRADUATE PROGRAMS TO BE CONSIDERED EQUIVALENT TO
M.ARCH. FOR THE PURPOSE OF RECRUITMENT/EMPLOYMENT AS FACULTY
MEMBERS IN ARCHITECTURAL INSTITUTIONS**

The Post Graduate degree or diploma programs in the following areas of specialization having duration of Two year/Four Semester (Full-Time) or Three years/Six Semester (Part-Time), granted by Indian Universities/competent Authorities recognized by Central/State government shall be considered equivalent to M. Arch. for the purpose of employment in the Institutions imparting Architectural education:

1. Architectural/ Heritage/ Building Conservation
2. Urban Design
3. Interior Design
4. Landscape Architecture
5. Product Design
6. Visual Communication
7. Sustainable Design
8. Housing
9. Urban Planning
10. Urban and Regional/ Rural Planning
11. City/ town and country Planning
12. Urban Development
13. Transportation Planning
14. Environmental Planning
15. Infrastructural / International / Construction / Project Management
16. Building Technology/Construction Management
17. Structural Design
18. Appropriate Technology
19. HVAC Design/ Building energy performance
20. Building Services
21. Building Automation
22. Computer Aided Design
23. Digital Architecture
24. Urban Infrastructure

26. Architecture Technology
27. Habitat studies/ Habitat management/Real Estate Management
28. Culture Studies

Note: 1. All architects possessing Post Graduate Degree/ Diploma awarded by Authorities outside India shall be required to produce certificate of equivalence to that of M. Arch. degree awarded by Indian Universities from Association of Indian Universities and/or any other competent authority of the Central/State Government, in order to be considered for employment as faculty members.

2. In case specializations of any Post Graduate degree or diploma programs are not listed above, the same shall be considered on case-to-case basis by the Council for ascertaining their equivalence.

3. During certain period in the past, the post graduate courses offered in India were of one and half years (Three semesters) Full-Time duration. Such courses shall be considered equivalent to two years (Four semesters) course.

Late Shri. Vishnu Waman Thakur Charitable Trust

(Trust Regd. No. E-930 - Thane / Dated 31-5-1988)

Thakur Niwas, Raja Chhatrapati Shivaji Marg, Virar (West), Dist. Palghar, Pin - 401 303.
Tel. : (0250) - 2502315, 2515275, 2502601

Ref. No.: 754

WITHOUT
COA NOMINEE

Date : 28/01/2020

Minutes of Selection Committee Report

A meeting of the Selection Committee as per norms of Council of Architecture (CoA) to make recommendations to the Managing Committee of Late Shri. Vishnu Waman Thakur Charitable Trust's VIVA School of Architecture (Institute Code: MH-53) was held on Friday on Tuesday January 28, 2020 at the Conference Room, Third Floor, VIVA College, Virar West, Dist. Palghar for appointment of the following posts:

Associate Professor - 01
Assistant Professor - 07

Total number of candidates applied for the post and the attendance was-

Associate Professor - 01
Assistant Professor - 07

Total number of Candidates reported for the interview - 08

Attendance is appended along with this minute of Selection Committee Report

The Selection Committee at its meeting held on January 28, 2020 at VIVA College, Virar interviewed the candidates.

The Selection Committee considered the qualification, experience, knowledge of the subject and performance of the candidates at the time of interview, unanimously recommended to the Managing Committee of the VIVA School of Architecture the names of the following in order of merit for the appointment to the post as mentioned below.

The following candidates are recommended in order for the appointment:

Associate Professor:

1. Ar. Vandana K. Patel (Tenure – 3 Years) CoA Regn. No. - CA / 1996 / 20506



Assistant Professor:

- | | | |
|--------------------------------|--------------------|-----------------------------------|
| 1. Ar. Sajana Ali | (Tenure – 3 Years) | CoA Regn. No. - CA / 2011 / 51795 |
| 2. Ar. Pratishtha Kunhithayill | (Tenure – 3 Years) | CoA Regn. No. - CA / 2016 / 76585 |
| 3. Ar. Janhavi Bhawasar | (Tenure – 3 Years) | CoA Regn. No. - CA / 2010 / 50439 |
| 4. Ar. Farozan Ansari | (Tenure – 3 Years) | CoA Regn. No. - CA / 2015 / 68296 |
| 5. Ar. Jui V. Chaughule | (Tenure – 3 Years) | CoA Regn. No. - CA / 2017 / 86847 |

Identified Faculty for Academic Year 2020-21

- | | | |
|--------------------|--------------------|---|
| 1. Ar. Nilesh Bhat | (Tenure – 3 Years) | CoA Regn. No. - CA / 2017 / 83287 |
| 2. Mr. Madan Pawar | (Tenure – 3 Years) | Allied Faculty (Identified for 2020-21) |

Selection Committee Comprised of the following members:

Name of Selection Committee Member
& Designation

Signature of the
Member

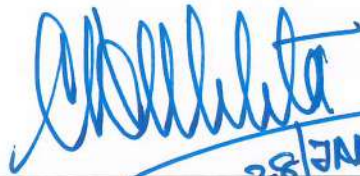
1. **Shri. Sanjeev Y. Patil**
Managing Committee Member, VIVA Trust



2. **Shri. S. N. Padhye**
Managing Committee Member, VIVA Trust



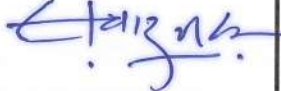







3. **Prof. Chakor A. Mehta**
Principal, VIVA school of Architecture


28 JAN 2020

VIVA SCHOOL OF ARCHITECTURE

Staff Selection Interview Attendance Sheet

Date of Interview: January 28, 2020.

| Sr. No. | Name of Candidate | Mobile No. | Candidate's Signature |
|---------|------------------------------|-------------|---|
| 1 | PAWAR MADAN KLSARAO | 9765504620 |  |
| 2 | KUNKITHATIL PRATISHTA RAMDAS | 9764482111 |  |
| 3 | FAROZAN ANSARI | 9930832860 |  |
| 4 | JUI V. CHOUGHULE | 9833996361 |  |
| 5 | JANHAVI BHAWSAR | 9819250259 |  |
| 6 | SAJANA | 9901882456 |  |
| 7 | BHAI NILESH SUNIL | 8879092297 |  |
| 8 | VANDANA PATEL | 98209521343 |  |
| 9 | — X — | — X — | — X — |
| 10 | — X — | — X — | — X — |

ONLY 08(EIGHT) CANDIDATES PRESENT


28/01/2020

Late Shri. Vishnu Waman Thakur Charitable Trust

(Trust Regd. No. E-930 - Thane / Dated 31-5-1988)

Thakur Niwas, Raja Chhatrapati Shivaji Marg, Virar (West), Dist. Palghar, Pin - 401 303.

Tel. : (0250) - 2502315, 2515275, 2502601

Ref. No.: 838

Date : 18-01-2021

Minutes of Selection Committee Report

A meeting of the Selection Committee as per norms of Council of Architecture (CoA) to make recommendations to the Managing Committee of Late Shri. Vishnu Waman Thakur Charitable Trust's VIVA School of Architecture (Institute Code: MH-53) was held on Monday January 18, 2021 at the Conference Room, Third Floor, VIVA College, Virar West, Dist. Palghar for appointment of the following posts:

| | | |
|---------------------|---|----|
| Professor | - | 01 |
| Associate Professor | - | 03 |
| Assistant Professor | - | 06 |

Total number of candidates applied for the post and the attendance was-

| | | |
|---------------------|---|----|
| Associate Professor | - | 02 |
| Assistant Professor | - | 12 |

Total number of Candidates reported for the interview - 14

Attendance is appended along with this minute of Selection Committee Report

The Selection Committee at its meeting held on January 18, 2021 at VIVA College, Virar interviewed the candidates.

The Selection Committee adopted **Appendix -B : Staff Requirement** as mentioned in **The Council of Architecture (Minimum Standards of Architectural Education) Regulations, 2020**. (as instructed by Registrar, CoA vide its Letter No. – CA / 5 / Academic –MH 53 dated October 21, 2020) for consideration of qualifications, experience, knowledge of the subject and performance of the candidates at the time of interview, unanimously recommended to the Managing Committee of the VIVA School of Architecture the names of the following in order of merit for the appointment to the post as mentioned below.

The following candidates are recommended in order of merit for the appointments are as under:

Professor:

NONE

(As the candidate applied for the post was not eligible on account of being 62 years of age)



Associate Professor: on Tenure Basis for 3 Years

1. Ar. Vandana K. Patel CoA Regn. No. – CA / 1996 / 20506

2. Mr. Madan Pawar Allied Field Faculty (Art)

Subject to Condition- As he fulfills required experience/ number of years for the said post in June 2021. Recommended as Associate Professor and be appointed on or before the commencement of First Year B. Arch. Academic Year 2021-22.

Assistant Professor: on Tenure Basis for 3 Years

1. Ar. Farozan Ansari CoA Regn. No. – CA / 2015 / 68296

2. Ar. Jhanvi Bhavsar CoA Regn. No. – CA / 2010 / 50439

3. Ar. Jui V. Choughule CoA Regn. No. – CA / 2017 / 86847

4. Ar. Nilesh Bhat CoA Regn. No. – CA / 2017 / 83278

5. Ar. Gulistan Naseem CoA Regn. No. – CA / 2013 / 60876

6. Ar. Khushboo Devadhia CoA Regn. No. – CA / 2017 / 83295

7. Ar. Ravi Patel CoA Regn. No. – CA / 2014 / 63211

8. Ar. Gaurav R. Patil CoA Regn. No. – CA / 2016 / 75471

9. Ar. Amit S. Bhoskee CoA Regn. No. – CA / 2017 / 83270

The below mentioned candidates are eligible as per required qualifications. However they can be appointed only after completion of the required Professional experience required as per the requirement of existing Norms and supported by relevant experience letters. The candidates recommended in order of merit for the appointment are as under:

Assistant Professor: on Tenure Basis for 3 Years

1. Ar. Jai D. Vaidya CoA Regn. No. – CA / 2018 / 90770

2. Ar. Sugandha Agarwal CoA Regn. No. – CA / 2017 / 87252

3. Ar. Shraddha S. Kelji CoA Regn. No. – CA / 2018 / 93737



Selection Committee Comprised of the following members:

**Name of Selection Committee Member
& Designation**

**Signature of the
Member**

1. **Prof. Harish Namakrishnamurthy Setty**
CA / 1993 / 16143
Nominee, Council of Architecture



2. **Prof. Y. D. Pitkar**
Subject Expert



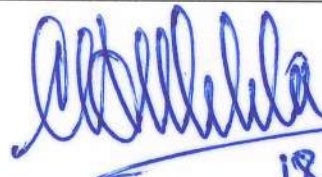
3. **Ms. Aparna P. Thakur**
Secretary,
Late Shri. Vishnu Waman Thakur Charitable Trust




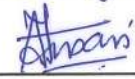


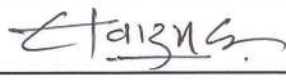
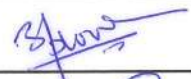

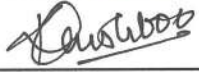

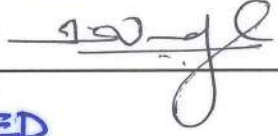
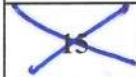
4. **Shri. Sanjeev Y. Patil**
Managing Committee Member,
Late Shri. Vishnu Waman Thakur Charitable Trust



5. **Prof. Chakor A. Mehta**
Principal, VIVA school of Architecture


18/01/2021

VIVASCHOOL OF ARCHITECTURE**Staff Selection Interview Attendance Sheet****Date of Interview : January 18, 2021**

| Sr. No. | Name of Candidate | Mobile No. | Candidate's Signature |
|--|-----------------------------|--|---|
| 1 | JVI V. CHOUGHULE | 9833996361 |  |
| 2 | Farozan Ansari | 9930832860 |  |
| 3 | Janhavi R. Bhawar | 9819250259 |  |
| 4 | NILESH BHAT | 8879092297 |  |
| 5 | Madan K. Pawar | 9765504620 |  |
| 6 | Amit S. Bhokse | 8082012131 |  |
| 7 | Shraddha S. Kelji | 7738134463 |  |
| 8 | AR. KHUSHBOD - K. DEVADHIA. | 9920025477 |  |
| 9 | Gaurav R. Patil. | 7021732563 |  |
| 10 | Jai D. Vaidya | 8390896183 |  |
| 11 | AR. VANDANA K. PATEL | CONDUCTED ONLINE VIDEO CALL INTERVIEWS FOR THE 04 CANDIDATES. | |
| 12 | AR. SUGANDHA AGARWAL | | |
| 13 | AR. RAVI PATEL | | |
| 14 | AR. GULISTAN NASEEM. | | |
|  | — | — | — |



Re: Application for CoA Nominee for Staff Selection at MH 53 : VIVA School of Architecture

COA Academic <coasoa@gmail.com>

Wed, Oct 21, 2020 at 2:29 PM

To: "Prof. Chakor A. Mehta" <principal@vivaarch.org>, Admin <vivaschoolofarch@gmail.com>, harishsetty2015@gmail.com

Ref.No.CA/5/Academic-MH53
October 21, 2020

The Principal
VIVA School of Architecture
New Building, VIVA Campus
At.Shirgaon, Virar
Dist.Palghar-401305 (Maharashtra)
Tel: 0250-6908090,Mb.0 9869330802, 08108380451
Fax: 0250-2515275, 2502542
E-Mail: vivaschoolofarch@gmail.com
principalarch@vivacollege.org

Dear Sir/ Madam

I have to refer to your letter in connection with nominee of Council of Architecture (COA) on the selection committee for selection of architecture teaching faculty

In this regard, the President, COA, is pleased to nominate Ar.H.Namakrishnamurthy Setty. as nominee of the Council on the Selection Committee at the above said institution. The above nomination shall be valid for a period of 6 months.

The selections are to be made as per the Council of Architecture (Minimum Standards of Architectural Education) Regulations, 2020, prescribed by the Council, which shall come into force w.e.f. 01.11.2020. The same are available at the website of the COA i.e. www.coa.gov.in.

Please arrange to pay TA/DA and extend local hospitality to the nominee for visit.

Yours faithfully,

R.K.Oberoi
Registrar

CC: CA/1993/16143
Ar. H.Namakrishnamurthy Setty
Address: F4/3, Sector 3, Cbd
Belapur, Navi Mumbai 400614
Maharashtra

: For information, with a request to kindly attend the meeting of selection committee, for selection of architecture teaching faculty, at the above said institution.

Mobile: 9820681415
Email: harishsetty2015@gmail.com

You are also requested to send a report to
the COA on conclusion of the interview

On Tue, 13 Oct 2020 at 10:05, Prof. Chakor A. Mehta <principal@vivaarch.org> wrote:

Ref. No. - **VIVA ARCH / 006 / 2020-21**

Date : October 13, 2020.

To,

**Registrar,
Council of Architecture,**

Core 6 A, First Floor,
India Habitat Centre, Lodhi Road,
New Delhi.

**Subject : Application for nomination of CoA Nominee for Selection Committee
of Faculty members.**

Institute Code : MH 53 : VIVA School of Architecture

Dear Sir,

This is to request for recommendation and nomination of Council of Architecture nominee for
the staff selection at our institute.

It is intended to have interviews for appointment of full time faculty members as teachers at
our institute, in view of the above mentioned subject kindly accept this application requesting
for a recommendation of a nominee to represent Council of Architecture as a full-fledged
member of the Selection Committee at **VIVA School of Architecture (Inst. Code : MH-
53)**

Thanking you for your cooperation and prompt action.

Sincerely,

Regards,

Prof. Chakor A. Mehta

Principal

VIVA School of Architecture

VIVA Campus, New Building,
Shirgaon, Virar East, Pin Code 401 305

Website : www.vivaarch.org

email id : admin@vivaarch.org & principal@vivaarch.org

Contact No.- +91 747491000 and +91 7744871000

--

Registrar
Council of Architecture
India Habitat Centre

Core 6A, 1st Floor, Lodhi Road
New Delhi-110003
Tel: 011-49412100
Fax: 011-24647746

Web: www.coa.gov.in

E-Mails:
coasoa@gmail.com

Vishnu Waman Thakur Charitable Trust

(Trust Regd. No. E-172-Palghar / Dated 31-5-1988)

VIVA College, VIVA College Road, Virar (West), Dist. Palghar, Pin - 401303

Tel.: (0250) - 2515275

Shri. Hitendra V. Thakur
President

Ms. Aparna P. Thakur
Secretary

Mr. Shikhar H. Thakur
Treasurer

Ref. No.: 1375B

Date: 19/01/2023

Minutes of Meeting (MoM) for Staff Selection Committee

A meeting of the Selection Committee as per norms of Council of Architecture (CoA) to make recommendations to the Managing Committee of Vishnu Waman Thakur Charitable Trust's VIVA School of Architecture (Institute Code: MH-53) was held on Thursday January 19, 2023 at the Conference Room, Third Floor, VIVA College, Virar West, Dist. Palghar for appointment of the following posts:

| | | |
|---------------------|---|----|
| Principal | - | 00 |
| Professor | - | 02 |
| Associate Professor | - | 02 |
| Assistant Professor | - | 13 |

Total number of candidates reported for the interview were – 03

Attendance Sheet is appended along with this minute of Selection Committee Report

The Selection Committee at its meeting held on January 19, 2023 at VIVA College, Old Campus, Virar West.

The Selection Committee adopted Appendix -B : Staff Requirement as mentioned in The Council of Architecture (Minimum Standards of Architectural Education) Regulations, 2020 for consideration of qualifications, experience, knowledge of the subject and performance of the candidates at the time of interview, unanimously recommended to the Managing Committee of the VIVA School of Architecture the names of the following in order of merit for the appointment to the post as mentioned below.

The following candidates are recommended in order of merit for the appointments are as under:

1. Post : ASSOCIATE PROFESSOR

| Merit No. | Name of Candidate with Registration No. | Nature of Appointment (Regular / Tenure Basis for 3 Years) | Salary / Pay Scale |
|-----------|---|--|--------------------------|
| 1 | Ar. Vinita Kiran Kolhe CoA Regn. No. - CA / 2014 / 63968 | Regular Basis | 37400 - AGP - 9000-67000 |
| 2 | Ar. Ankita Ramesh Shukla CoA Regn. No. - CA / 2014 / 64022 | Regular Basis | 37400 - AGP - 9000-67000 |



2. Post : ASSISTANT PROFESSOR

| Merit No. | Name of Candidate with Registration No. | Nature of Appointment (Regular / Tenure Basis for 3 Years) | Salary / Pay Scale |
|-----------|---|--|--------------------------|
| 1 | Ar. Gaurav R. Patil | Tenure Basis for 3 Years | 15600 - AGP - 6000-39100 |
| | CoA Regn. No. - CA / 2016 / 75471 | | |

Special Recommendations, Observation & Remarks (if any) :

Ar. Ankita Ramesh Shukla is approved by the Selection Committee as Associate Professor with effect from July 2023 for academic year 2023-24 onwards.

Staff Selection procedure statement has been annexed along with this main report.

Selection Committee Comprised of the following members:

Sr. No. Name of Selection Committee Member & Designation

Signature of the SC Member

1. Ar. Harish Namakrishnamurthy Setty
Council of Architecture, Nominee

Harish
19th Jan 2023

2. Prof. Y. D. Pitkar
Subject Expert

Y. D. Pitkar

3. Ms. Aparna P. Thakur
Secretary,
Vishnu Waman Thakur Charitable Trust

Aparna P. Thakur



4. **Shri. Sanjeev Y. Patil**
Managing Committee Member,
Vishnu Waman Thakur Charitable Trust

5. **Prof. Chakor A. Mehta**
Principal, VIVA school of Architecture



Stamp of College / Seal of Trust



Late Shri. Vishnu Waman Thakur Charitable Trust's

VIVA SCHOOL OF ARCHITECTURE

Approved by Council of Architecture, New Delhi and Affiliated to University of Mumbai

Website : www.vivaarch.org

E-mail : principal@vivaarch.org & admin@vivaarch.org

Shri Hitendra V. Thakur
President

Ms. Aparna P. Thakur
Secretary

Prof. Chakor A. Mehta
Principal

Date : 19/01/23

**ATTENDANCE SHEET OF INTERVIEWS FOR STAFF SELECTION HELD
ON JANUARY 19, 2023.**

| Sr. No. | Name of Candidate | Post Applied | Interview attended in Person / Online | Signature of Candidate |
|---------|----------------------|---------------------|---------------------------------------|------------------------|
| 1 | Gaurav Rajesh Patil | Assistant Professor | In Person | |
| 2 | ANKITA RAMESH SHUKLA | ASSOCIATE PROFESSOR | IN-PERSON | |
| 3 | VINITA B. KOLHE | ASSOCIATE PROFESSOR | IN-PERSON | |
| 4 | | | | |
| 5 | | | | |
| 6 | | | | |

Note : Signature of Applicant not required if candidate has been interviewed on online / video conference mode.



Seal of Institute / Trust / University

Prof. Chakor A. Mehta
Signature of Authorised Signatory

VIVA School of Architecture
New Building, VIVA Campus,
Shirgaon Virar East,
District Palghar, Pin Code 401303

New Building, VIVA Campus, Shirgaon, Virar (East), Dist. Palghar, Maharashtra - 401 305.

Contact No. : 77448 71000 / 74474 91000 Fax No. 0250 251 5275

PROFORMA STAFF SELECTION

DETAILS OF ADVERTISEMENT

| | | |
|-----|--|---|
| 1 | Date of the advertisement published | : October 28, 2022 |
| 2 | Name of Newspaper/s wherein advertisement was published | : Times of India & Maharashtra Times |
| 3 | No. of posts published in the advertisement - | |
| i | Principal / Director | : NIL |
| ii | Professor | : Not Mentioned in Advertisement |
| iii | Associate Professor | : Not Mentioned in Advertisement |
| iv | Assistant Professor | : Not Mentioned in Advertisement |
| 4 | Total No. of post advertised | : Not Mentioned in Advertisement |
| 5 | Last date of application mentioned in the advertisement for applicants | : November 12, 2022 |
| 6 | CoA Letter No. and Date of Appointment of CoA Nominee | : CA/5/Academic – MH53 December 8, 2022 |

DETAILS OF SELECTION PROCEDURE

| | | |
|----|--|--|
| 7 | Scrutiny Report prepared on | : December 15, 2022 |
| 8 | Total No. of applications received | : 12 Applications |
| 9 | No. of eligible applications | : 06 Candidates |
| 10 | Interview Call Letters sent to all applicants on | : January 13, 2023 |
| 11 | Date of Interviews | : January 19, 2023 |
| 12 | Were candidates informed about Pay Scale | : Yes, at the time of Interviews |
| 13 | Were non eligible candidates informed about their ineligibility and communicated accordingly | : Yes, after confirmation and assessment by the CoA Nominee. |
| 14 | Did the CoA Nominee receive the Scrutiny Report before the date of interviews | : Yes, a copy was also shared on the day of Interviews |
| 15 | Attendance sheet of the Interviews attached | : Yes |

DETAILS OF SELECTION COMMITTEE MEMBERS

| | | |
|----|--|--------------------------------------|
| 16 | Name of CoA Nominee | : Ar. Harish Namakrishnamurthy Setty |
| 17 | CoA Registration No. of CoA Nominee | : CA / 1993 / 16142 |
| 18 | Name of Head of Institute with designation (If already appointed) | : Ar. Chakor Ambarish Mehta |
| 19 | CoA Registration No. of Head of Institute | : CA / 1997 / 21023 |

**SUBJECT EXPERTS FOR –
PROFESSOR, ASSOCIATE PROFESSOR & ASSISTANT PROFESSOR**

| | | |
|----|---|-----------------------------|
| 20 | Name of Subject Expert - 01 | : Prof. Y. D. Pitkar |
| 21 | CoA Registration No. of Subject Expert - 01 | : CA / 1979 / 4974 |
| 22 | Name of Subject Expert - 02 | : Not Applicable |
| 23 | CoA Registration No. of Subject Expert - 02 | : |

NOTE :

Subject Experts can be same for all cadre or as per the directives of the local statutory bodies / affiliated University

DETAILS OF SELECTION COMMITTEE MEMBERS

| | | |
|----|--|---|
| 24 | Name of Chairperson of the Selection Committee | : Ms. Aparna P. Thakur |
| 25 | Designation | : Secretary, Vishnu Waman Thakur Charitable Trust |
| 26 | CoA Registration No. | : Not Applicable |
| 27 | Name of Selection Committee Member - 01 | : Shri. Sanjeev Y. Patil |
| 28 | Designation | : Member, Vishnu Waman Thakur Charitable Trust |
| 29 | CoA Registration No. (if any) | : Not Applicable |
| 30 | Name of Selection Committee Member - 03 | : Ar. Chakor Ambarish Mehta |
| 31 | Designation | : Principal, VIVA School of Architecture |
| 32 | CoA Registration No. (if any) | : CA / 1997 / 21023 |



Seal / Stamp of Institution

Signature of Authorised Signatory :

[Handwritten Signature]
19/Jan/2023

Name : **Prof. Chakor Ambarish Mehta**
Designation : **Principal, VIVA School of Architecture**
CoA Registration No. : **CA / 1997 / 21023**

Place : Virar West

Date : January 19, 2023,



Prof. Chakor A. Mehta <principal@vivaarch.org>

Application for CoA Nominee for Staff Selection at MH 53 : VIVA School of Architecture

Prof. Chakor A. Mehta <principal@vivaarch.org>

Thu, Dec 1, 2022 at 11:17 AM

To: "Oberoi, CoA Registrar" <registrar-coa@gov.in>, "CoA, Academic" <academic-coa@gov.in>

Ref. No. - VIVA ARCH / 2022-23 / 113

Dear Sir,

This is to request for recommendation and nomination of a Council of Architecture nominee for the staff selection interviews to be held at our institute.

It is intended to have interviews for appointment of full time faculty members as teachers at our institute, in view of the above mentioned subject on behalf of the Managing Committee kindly accept this application requesting for a recommendation of a nominee to represent Council of Architecture as a full-fledged member of the Selection Committee.

Thanking you for your cooperation and prompt action.

With warm regards,

Principal

VIVA School of Architecture

VIVA Campus, New Building,

Shirgaon, Virar East, Pin Code 401 303

Website : www.vivaarch.org

email id : admin@vivaarch.org & principal@vivaarch.org

Contact No.- +91 7447491000 and +91 7744871000



MH53 - CoA Nominee Request Letter.jpg
842K



Prof. Chakor A. Mehta

Principal

VIVA School of Architecture



Late Shri. Vishnu Waman Thakur Charitable Trust's
VIVA SCHOOL OF ARCHITECTURE

Approved by Council of Architecture, New Delhi and Affiliated to University of Mumbai

Website : www.vivaarch.org

E-mail : principal@vivaarch.org & admin@vivaarch.org

Shri Hitendra V. Thakur
President

Ms. Aparna P. Thakur
Secretary

Prof. Chakor A. Mehta
Principal

Ref. No. - VIVA ARCH / 2022-23 / 113

Date :
Date : December 1, 2022.

To,
Registrar,
Council of Architecture,
Core 6 A, First Floor,
India Habitat Centre, Lodhi Road,
New Delhi.

Subject : Application for nomination of CoA Nominee for Selection Committee of Faculty members.

Institute Code : MH 53 : VIVA School of Architecture

Dear Sir,

This is to request for recommendation and nomination of Council of Architecture nominee for the staff selection interviews to be held at our institute.

It is intended to have interviews for appointment of full time faculty members as teachers at our institute, in view of the above mentioned subject on behalf of the Managing Committee kindly accept this application requesting for a recommendation of a nominee to represent Council of Architecture as a full-fledged member of the Selection Committee.

Thanking you for your cooperation and prompt action.

Sincerely,

Prof. Chakor A. Mehta
Principal
VIVA School of Architecture



Prof. Chakor A. Mehta
Principal
VIVA School of Architecture





Prof. Chakor A. Mehta <principal@vivaarch.org>

MH53

COA Academic <coasoa@gmail.com>

To: "Prof. Chakor A. Mehta" <principal@vivaarch.org>

Cc: harishsetty2015@gmail.com

Thu, Dec 8, 2022 at 3:03 PM

Ref.No.CA/5/Academic- MH53

December 08, 2022

The Principal

VIVA School of Architecture
New Building, VIVA Campus
At.Shirgaon, Virar-E, Palghar
Maharashtra, pin code -401305
Email: principal@vivaarch.org
Mobile: 9869330802

Dear Sir/ Madam

I have to refer to your Email for deputing a nominee of Council of Architecture (COA) on the selection committee for selection of architecture teaching faculty at your institution.

In this regard, the President, COA is pleased to nominate **Ar. H.Namakrishnamurthy Setty** as nominee of the Council on the Selection Committee at the above said institution. The above nomination shall be valid for a period of 6 months.

The selections are to be made as per the Council of Architecture (Minimum Standards of Architectural Education) Regulations, 2020, prescribed by the Council, which shall come into force w.e.f. 01.11.2020. The same are available at the website of the COA i.e. www.coa.gov.in.

It is further informed that the Council has prepared following model formats/documents (attached) to be used for the Selection Committee Process for recruitment/promotion of faculty:

1. Proforma for Staff Selection to be filled at the time of interview by the Head of the Institution of Management in case the Head is an applicant at the interview. The filled proforma is to be given to the nominee of the Council at the time of interview.
2. Format of Attendance Sheet of Interviews for Staff Selection to be used by the institution.
3. Format of Scrutiny Report for the various Teaching posts in Architecture.
4. Format of Minutes of Meeting (MoM) for Staff Selection Committee. The minutes are to be duly signed by the members of the Selection Committee.

After the conduct of interviews and selection process, copies of these documents should be provided to the nominee of the Council, who shall submit the same to the office of the Council for information and records.

Please arrange to pay TA/DA and extend local hospitality to the nominee for visit.

Yours faithfully,

R.K.Oberoi
Registrar

Encl. : as above

CC: (CA/1993/16143)
Ar. H.Namakrishnamurthy Setty
A - 1001, The Bliss, Plot No. 2, 4
& 5, Sector 8 B, Cbd Belapur, Navi
Mumbai - 400614, Maharashtra
Mobile: 9820681415
Email: harishsetty2015@gmail.com



Prof. Chakor A. Mehta
Principal
VIVA School of Architecture

For information, with a request to kindly attend the meeting of selection committee, for selection of architecture teaching faculty, scheduled as an when at the above said institution.


You are also requested to send a report to
the CoA on conclusion of the interview

--
Registrar
Council of Architecture
India Habitat Centre
Core 6A, 1st Floor, Lodhi Road
New Delhi-110003
Tel: 011-49412100
Fax: 011-24647746


Web: www.coa.gov.in

E-Mails:
coasoa@gmail.com

6 attachments


 **2 - Proforma for Staff Selection.docx**
25K

 **3 - Staff Selection Committee Report.docx**
27K

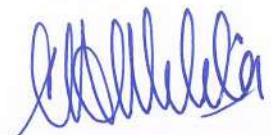
 **4 - Attendance for Interview.docx**
15K

 **1 - Scrutiny Report.docx**
101K

 **COA Circular for Selection Committee Process 26.03.21.pdf**
654K

 **Council of Architecture (Minimum Standards of Architectural Education) Regulations, 2020.pdf**
1819K




Prof. Chakor A. Mehta
Principal
VIVA School of Architecture

Preface

The Council of Architecture had prescribed the Council of Architecture (Minimum Standards of Architectural Education) Regulations, 1983, in the year 1983. Since then, the architectural education has undergone a significant change. This has necessitated review of these standards with a fresh perspective, keeping in mind the present demands of the architectural education in the country and to introduce them with changes, wherever necessary.

The Council of Architecture is empowered under Section 21 of the Architects Act, 1972 to prescribe the Minimum Standards of Architectural Education required for granting recognized qualifications by colleges or institutions in India. Pursuant to Section 21, the Council has, from time to time, prescribed various Minimum Standards of Architectural Education during its past meetings viz. 47th Meeting of the Council held on 26.05.2006 & 27.05.2006; 84th & 89th Meetings of the Executive Committee held on 24.02.2006 & 21.03.2007 respectively; and 49th Meeting of the Council held on 29.06.2007.

These standards are now being prescribed and adopted by the Council as Council of Architecture - Minimum Standards of Architectural Education, 2008, which shall supplement the Regulations of 1983. All institutions imparting architectural education in the country for awarding recognised architectural qualifications under the Architects Act, 1972, shall be required to adhere to these minimum standards of architectural education.



Prof. Chakor A. Mehta
Principal
VIVA School of Architecture



COUNCIL OF ARCHITECTURE

(An statutory body of Govt. of India under the Architects Act, 1972)

MINIMUM STANDARDS OF ARCHITECTURAL EDUCATION, 2008 PRESCRIBED UNDER SECTION 21 OF THE ARCHITECTS ACT, 1972

In exercise of the powers conferred under section 21 of the Architects Act, 1972 (20 of 1972), the Council of Architecture hereby makes the following Minimum Standards of Architectural Education supplementing the Council of Architecture (Minimum Standards of Architectural Education) Regulations, 1983, namely:-

1. Short Title and Commencement

- (1) These standards may be called the Council of Architecture - Minimum Standards of Architectural Education, 2008.

2. Duration and Stages of the Course

- (1) The architecture course shall be of minimum duration of 5 academic years / 10 semesters of approximately 18 working weeks each inclusive of one year of practical training after the first stage in a professional's office.
- (2) The 5 years Bachelor's Degree Course in Architecture may be conducted in two stages.
- (3) The First stage of the course shall be the first 3 academic years or 6 semesters (each of approximately 18 working weeks) of institutional academic studies. The First stage shall be completed within 5 years of admission to the B.Arch. Course.
- (4) The Second stage of the course shall be of 2 academic years/ 4 semesters including one year of practical training.
- (5) Registration under the Architects Act, 1972, is acceptable only after successful completion of both the stages.

3. Admission to the Architecture Course

- (1) The Institutions shall admit only such students who have qualified in an Aptitude Test in Architecture.
- (2) The Institutions/ Competent Admission Authorities dealing with admission of candidates to the 1st year of 5-year B.Arch. Degree course are required to follow the admission norms of the Council which is placed at Appendix-A.
- (3) The institutions shall not give weightage of more than 50% marks of Aptitude Test in Architecture in the matter of admissions.

4. Courses and periods of Studies

- (1) The institutions imparting instructions in architecture required for granting recognized qualifications may follow the courses and periods of studies as prescribed in Appendix-A1.
- (2) The Guidelines for Conduct of Architectural Thesis/Project and Practical Training are prescribed in Appendix-A2.

5. Standards of staff, equipment, accommodation, training and other facilities for technical education

- (1) The institutions shall maintain a strength of full time-faculty of 15 (including Principal/HOD) for intake of 40. In addition to the full-time, the visiting faculty will take approximately 25% of the teaching load.
- (2) The institution with the maximum intake of 40 in a class may have the faculty pattern as prescribed in Appendix-B1.
- (3) The Career Advancement Scheme for the faculty has been prescribed in Appendix-B2.



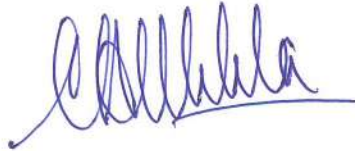
2

Prof. Chakor A. Mehta
Principal

VIVA School of Architecture

6. **Sanctions:** Any violation of these Minimum Standards by a College/Institution/University may attract reduction in its intake/no intake/withdrawal of intake, No Admission status and in case of continuous failure to maintain the standards, the Council may initiate process for de-recognition of qualification awarded by the particular College/ Institution/University or any such other action as the Council deems necessary in such cases.

Notwithstanding anything contained in these standards, the institutions may prescribe Minimum Standards of Architectural Education provided such standards does not, in the opinion of the Council, fall below the Minimum Standards prescribed from time to time by the Council to meet the requirements of the profession and education thereof.



Prof. Chakor A. Mehta
Principal
VIVA School of Architecture



**REVISED GUIDELINES FOR ADMISSION TO 1ST YEAR OF
5-YEAR DEGREE COURSE IN ARCHITECTURE**

1.0 ADMISSIONS:

- 1.1 The candidates admitted to 1st year of a 5-year course without passing an Aptitude Test in Architecture and who have been granted B. Arch. degree or other qualifications shall not be deemed to have attained recognised qualification listed in the schedule of qualifications appended to the Architects Act, 1972. Such candidates will not be eligible for registration as an architect with the Council of Architecture.
- 1.2 No admission shall be made under the Minority Institution/Management/Non-Resident Indian/Person of Indian Origin or any another Quota unless a candidate is subjected to an Aptitude Test in Architecture.
- 1.3 No lateral admission to any stage/semester of the 5-year course in Architecture shall be made.

2.0 ELIGIBILITY FOR ADMISSION

No candidate, with less than 50% marks in aggregate, shall be admitted to the architecture course unless he/she has passed an examination at the end of the new 10+2 scheme of Senior School Certificate Examination or equivalent with Mathematics as subjects of examination at the 10+2 level.

or

10+3 Diploma (any stream) recognised by Central/ State Governments with 50% aggregate marks.

or

International Baccalaureate Diploma, after 10 years of schooling, with not less than 50% marks in aggregate and with Mathematics as compulsory subject of examination.

3.0 NATIONAL APTITUDE TEST IN ARCHITECTURE

As per the Minimum Standards prescribed by Council of Architecture (CoA) under the Architects Act, 1972, admission of candidates to first year of 5-year B.Arch. degree course shall be subject to their passing an aptitude test in architecture. It is advisable to admit students in the 1st year of 5 year B.Arch. degree course on the basis of marks obtained in the National Aptitude Test in Architecture (NATA) administered by CoA

The Aptitude Test in Architecture shall consist of 2 papers:

- (i) Test - I – Aesthetic Sensitivity - 100 marks - duration of test: One hour.
(ii) Test - II – Drawing - 100 marks - duration of test: Two hours.

3.1 Test – I

Aesthetic Sensitivity is to evaluate candidate's perception, imagination and observation; creativity and communication; and Architectural awareness. The test shall comprise of :

- (i) Visualising three dimensional objects from two dimensional drawings
(ii) Visualising different sides of three dimensional object
(iii) Identifying commonly used materials and objects based on their textural qualities
(iv) Analytical Reasoning
(iv) Mental Ability
(vi) Imaginative comprehension and expression
(vii) Architectural awareness



Prof. Chakor A. Mehta
Principal
VIVA School of Architecture

3.2 Test - II

The Drawing aptitude of the candidate shall be judged on the following aspects :

- (i) Ability to sketch a given object proportionately and rendering the same in visually appealing manner
- (ii) Visualising and drawing the effects of light on the object and shadows cast on the surroundings
- (iii) Sense of perspective drawing
- (iv) Combining and composing given three dimensional elements to form a building or structural form
- (v) Creating interesting two dimensional composition using given shapes or forms
- (vi) Creating visual harmony using colours in given composition
- (vii) Understanding of scale and sense of proportion
- (viii) Drawing from memory through pencil sketch on themes from day to day experiences

4.0 WEIGHTAGE

The following shall be the weightage :

Architectural Aptitude – 50% (Maximum)

Qualifying Examination – 50% (Maximum)

i.e. 10+2 OR 10+3 years

Diploma recognised by the
Central / State governments OR IB Diploma
and/ or other test.

Note : In order to pass an Aptitude Test in Architecture, a candidate must obtain a minimum of 40% marks.

5.0 COMPETENT AUTHORITY FOR ADMISSION

The admissions shall be carried out by the Competent authority i.e. the Government or University, or such authorities/ institution concerned [School/ College of Architecture]/ Association or Federation of Institutions [Schools or College of Architecture], based on the marks obtained in the Aptitude Test in Architecture and the qualifying examinations as mentioned above, in the ratio of 50:50. Admissions shall be made in fair, transparent, non-exploitative and based on merit.

All architectural institutions in the country shall be required to submit a list of students admitted in the B.Arch. degree course, mentioning the total score in an Aptitude Test in Architecture, marks secured and total marks in the qualifying examination, to the CoA.

6.0 ADMISSION COUNSELLING

The Admission Counselling for the candidates who have applied for admission to the 5-year Degree Course in Architecture should be held independent of the counselling for Engineering, Pharmacy and / or Medicine and other disciplines.

The word '*independent*' does not imply that the admission counselling to architecture course is to be done on completion of the admission/counseling process for all other streams. It means that the counselling for architecture should not be combined with engineering courses. The CoA insists that the admission/counseling process for architecture degree course be done *first* i.e before all other streams or on the same date(s) as fixed for other streams but independently/separately/simultaneously without mixing with other disciplines.

7.0 STRUCTURE, PERCENTAGE AND RESERVATION OF SEATS

The fee structure and admission of students to architecture course under various categories / admission quota shall be as determined by the concerned Government, in accordance with the Judgement of Supreme Court, dated 14.08.2003 [Writ Petition (C) No.350 of 1993 – Islamic Academy of Education and Anr. V/s State of Karnataka and Ors]. The reservation policy for admission as applicable shall be followed.



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8.0 COMMENCEMENT OF COURSE

Classes for 1st year of a 5-year B.Arch. Course shall not commence later than the 1st working day in the month of September of a calendar year.

Appendix-A1

COURSES, PERIODS OF STUDY AND SUBJECTS OF EXAMINATION

Stage 1

| | Subjects of Examination | Minimum No. of periods of 50 to 60 minutes duration |
|-----|---|---|
| 1. | Architectural Design | 540 |
| 2. | Architectural Graphics Skills – Manual and Computer | 360 |
| 3. | Building Construction Technology | 306 |
| 4. | Structural Design and Systems | 288 |
| 5. | Basic Design and Visual Arts | 180 |
| 6. | History of Architecture, Art and Culture | 126 |
| 7. | Building Services and Equipments | 90 |
| 8. | Workshop Practice and Site Exposure | 90 |
| 9. | Building Materials and Sciences | 90 |
| 10. | Surveying and Leveling | 36 |
| 11. | Estimation, Costing and Specifications writing | 72 |
| 12. | Climatology, Environmental Studies and Landscape | 63 |
| 13. | Humanities | 30 |
| 14. | Human Settlements and Vernacular Architecture | 30 |
| 15. | Building Bye Laws and Codes of Practices | 30 |
| 16. | Theory of Design | 63 |
| 17. | Computer Applications in Architecture (Non-Graphic) | 36 |
| | Sub Total | 2430 |
| 18. | Group Subjects* (only for specialization) | 810 |
| | Total | 3240 |

Note:

1. The names given to the subjects of study are suggestive only and institutions may use different nomenclatures. The emphasis on teaching various subjects may vary from institution to institution. New subjects may be introduced and certain subjects given less emphasis depending upon the educational philosophy of the institution and context of the region where the institution is located.
2. For the purpose of calculating the periods of study, 30 periods per week per semester/term are considered.
3. In order to give freedom to the Institutions to orient the Course as per their own philosophy approximately 75 percent of the total periods of study have been taken into account for calculating the minimum hours of study for each subject while the institutions shall allot the balance approximately 25 percent of the study periods to the subjects of their choice.
4. Minimum total contact periods should be 3240. Thus, 810 periods are to be allotted by the institution to the subjects of their choice.
5. Institutions offering specialisation in fields like interior design, eco-architecture, construction technology, etc. shall offer group of subjects relevant to the subject of specialization to consume the balance 25 percent work load.

Brief description of the subjects listed in the First Stage of the Course

1. ARCHITECTURAL DESIGN

Applying the knowledge gained in other subjects and theory of design methodology to design of buildings of medium complexity e.g. Residences, Schools, Colleges, Public Buildings, Dispensaries, Hospitals, Shops, Offices, Industries, Buildings for Recreation and Entertainment, etc., and present them in graphic form using both manual and electronic medium.



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2. ARCHITECTURAL GRAPHICS SKILLS – MANUAL AND COMPUTER

Ability to present in graphic form all elements of building design - study of shades and shadows, textures, tones, colors, geometrical form, perspectives and projections, free hand drawing and rendering in different media, computer aided drafting skills in 2D and 3D, use of rendering, presentation and modeling software packages.

3. BUILDING CONSTRUCTION TECHNOLOGY

Knowledge of various structural systems and methods of construction and detailing of buildings of medium complexity using natural and man made materials including foundation, walls, roofs, staircase, joinery and finishes, culminating in the capacity to integrate the knowledge acquired to architectural design exercise for making working drawings for a three storied contemporary building and learning the skills of presenting these in the graphic form using both manual and electronic medium.

4. STRUCTURAL DESIGN AND SYSTEMS

Understanding the structural concepts and behavior of structural elements, simple calculations for columns, beams, frames, footings, slabs, walls in concrete, steel and timber and relating the knowledge acquired to architectural design.

5. BASIC DESIGN AND VISUAL ARTS

Developing skills in manual presentation techniques, use of various media for presentation, principles of two dimensional and three dimensional compositions, principles of design etc.

6. HISTORY OF ARCHITECTURE, ART AND CULTURE

Study of evolution of various styles of architecture and methods of construction and influence of art and culture on architecture through the ages in the world, with emphasis on architecture of the Indian Sub continent and the region in which the institution is located, study of Indian culture related to architectural design

7. BUILDING SERVICES AND EQUIPMENTS

Study of and design and detailing for water supply, drainage, sewage disposal, garbage disposal, electrification, illumination, air conditioning, fire hazard protection, acoustical treatment, rainwater harvesting etc. in buildings and building premises, disaster management systems, intelligent energy conservation systems, electronic security and surveillance systems for buildings

8. WORKSHOP PRACTICE AND SITE EXPOSURE

Developing skills to make building models with various materials such as card-board, wood, plastics, plaster of Paris and metals, ability to make simple joints in timber, pipes and other materials, basic electrical circuits
Exposure to building construction practices on site of various items of work from foundation to roof and finishes, Market survey for different building materials

9. BUILDING MATERIALS AND SCIENCES

Knowledge of properties and behavior of both natural and man made building materials such as bricks, stones, metals, timber, steel and finishing materials in contemporary buildings. Effects of sun, rain, wind and other climatic and environmental conditions on various building materials and built environment and the science of design for creating effective human comfort conditions.

10. SURVEYING AND LEVELLING

Understanding of various survey and leveling instruments, carrying out surveys of land of medium complexity and preparation of survey plans.



11. ESTIMATION, COSTING AND SPECIFICATIONS WRITING

Systems of taking out quantities and estimating for all trades involved in construction of medium complexity, Writing specifications for materials and various items of work

12. CLIMATOLOGY, ENVIRONMENTAL STUDIES AND LANDSCAPE

Understanding of Climate and its impact on architectural design, fundamentals of climatology and environmental studies.

Understanding of Landscape elements like trees, shrubs, plants, water, rocks and development of landscape planning and application in architectural design.

13. HUMANITIES

Study of sociology, economics and culture, as applicable for design of human settlements

14. HUMAN SETTLEMENTS AND VERNACULAR ARCHITECTURE

Man and environment: Biological and behavioral responses to human settlements; Design for living, natural and built-environment, Vernacular architecture.

Human settlements during ancient, medieval and modern periods in India, Europe and other parts of the world. Ancient texts and treatises on settlement and area planning in India, characteristics of human settlements built by Muslims and Hindu rulers in India.

15. BUILDING BYE LAWS AND CODES OF PRACTICES

Study of building control Standards, bye laws and codes of practices prevalent in different development authorities and municipalities in India.

16. THEORY OF DESIGN

Understanding and appreciation of principles and percepts of issues related to architectural design in theory and practice. Appreciation of architectural spaces with respect to man and his behavior.

17. COMPUTER APPLICATIONS IN ARCHITECTURE (Non Graphic)

Developing skills in non-graphic applications of computer as required for architectural profession and office management, such as word processing, spreadsheets, power point presentations, databases, etc.

18. GROUP SUBJECTS OF SPECIALISATION

The names and topics for elective are suggestive. Institute may add many more elective and alter the list as per local requirements and resources. For Non-specialisation the subjects could be mix from groups below as offered by institute to suite its philosophy.

A. INTERIOR ARCHITECTURE

1. Theory of Interior Design
2. Visual Arts.
3. Advance basic design.
4. Vernacular Interiors
5. Traditional crafts.
6. Contemporary Crafts.
7. Furniture design



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B. ECO ARCHITECTURE

1. Horticulture.
2. Soil studies
3. Theory of Landscape design
4. Landscape construction
5. Street furniture design
6. Ecology
7. Plant Morphology

C. CONSTRUCTION TECHNOLOGY

1. Advance workshop
2. Basics of Management
3. Site management
4. Advance Surveying & Leveling
5. PERT / CPM Techniques
6. Low cost materials
7. Design of services
8. Basic accounting

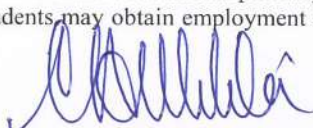
B. Architecture**Stage – 2**

| | Subjects of Examination | Minimum No. of periods of 50 to 60 minutes duration |
|-------|--|--|
| 1 | Project (Thesis) | 288 |
| 2 | Architectural Design | 216 |
| 3 | Building Construction and Materials | 108 |
| 4 | Advanced Services | 36 |
| 5 | Advanced Structural Design and Systems | 36 |
| 6 | Professional practice | 72 |
| 7 | Research Skills and Project introduction | 36 |
| | 4 Electives | 144 |
| i | Housing | |
| ii | Urban Design | |
| iii | Interior Design | |
| iv | Construction Management | |
| v | Landscape design | |
| vi | Urban and Regional Planning | |
| vii | Architectural Conservation | |
| viii | Disaster Management | |
| ix | Architectural Journalism | |
| x | Theatre/Film Set Design | |
| xi | Expert Systems Advanced Computing | |
| xii | Marketing Skills | |
| xiii | Building Systems Integration | |
| xiv | Visual Communication | |
| xv | Sustainable Architecture | |
| xvi | Energy Conscious Architecture | |
| xvii | Intelligent Buildings | |
| xviii | Modular Coordination | |
| xix | Art in Architecture | |
| xx | Environmental studies | |
| | Total | 936 |

Notes:

1. The names given to the subjects of study are suggestive only and institutions may use different nomenclatures. The emphasis on teaching various subjects may vary from institution to institution. New subjects may be introduced and certain subjects given less emphasis depending upon the requirement and educational philosophy of an institution. Teaching in the second stage may be a lot more flexible. Students may obtain employment and




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- may come back to complete the prescribed course later. It may also be possible to complete the second stage of the course as a part time course depending upon the facilities available in an institution.
2. For the purpose of calculating the periods of study, 30 periods per week per semester/term of eighteen weeks are considered.
 3. In order to give freedom to the institutions to orient their course as per their own philosophy, approx. 86.66 per cent of the total periods of study have been taken into account for the whole stage and the institutions may allot the balance approx. 13.33 per cent of the study periods to the subjects/areas of their choice.
 4. Minimum total contact period should be 936. Thus 144 periods are to be allotted by the institution to the subjects/areas of their choice.
 5. It is expected that entire final year is devoted to practical training.
 6. It is suggested that subject of Professional practice and two electives may be offered together with Project work (Thesis).

Brief Description of the Subjects Listed in the Second Stage of the Course

1. PROJECT (THESIS)

A major project selected by the students in the area of their interest and attempted after detailed analytical study of the chosen topic/subject. The project is to be done under faculty guidance and presented in a graphic form, model, computer generated graphics and report. In this project the student is expected to individually synthesize all that is learnt in the previous semesters, conduct investigative research through library and other resources, co-ordinate all pertinent architectural issues with the design concept and objectives to reach a viable solution for the resolution of the selected problem. Thesis may also be on theme-based research on architectural projects involving collection and analysis of relevant data presented as an analytical study report.

2. ARCHITECTURAL DESIGN

Design of complex buildings and campuses involving analytical studies of building and spaces from sociological, economic and cultural points of view. The topics can be universities, industrial estates, housing schemes etc.

3. BUILDING CONSTRUCTION AND MATERIALS

Study of advanced building construction methods and innovative architectural detailing with new materials such as plastics, metals, synthetic boards, glass, composite panels etc,

4. ADVANCED SERVICES

Study of advanced building services like HVAC, water supply and disposal, electrical, acoustical, lighting related to complex building situations like high-rise, complexes, cities etc.

5. ADVANCED STRUCTURAL DESIGN AND SYSTEMS

Design of complex building structures like domes, shells, retaining walls etc. Study of structural systems like Bulk active structures, Form active structures, Vector active structures, Surface active structures, Cable structures, Arches, Vaults and Domes, Shells, Membrane structures, Pneumatic structures, Folded plates, Pre stressed concrete, space frames etc.

6. PROFESSIONAL PRACTICE

Study of office practices, Office administration, Accounting, Building Bye-laws, Tendering, Contracts and Arbitration, Valuation, Professional conduct and ethics, Architects Act 1972, Role of COA, IIA and UIA, Implementing a building contract.

7. RESEARCH SKILLS AND PROJECT INTRODUCTION

Research in Architecture, Scientific methods with special emphasis on architectural research, Presentation methodologies, Evaluation, Report writing.

Introduction to the Architectural Thesis Project and preparation of Synopsis.



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8. ELECTIVES

i) HOUSING

Housing survey and methodologies. Factors effecting housings. Housing Demand, Policies, Slums, Typologies, Finance, Agencies etc. Housing case studies. Post Occupancy Evaluation.

ii) URBAN DESIGN

Historicity, Determinants of urban form, Urban Design vocabulary, Imagability concepts, Design principles, Aesthetic legislation, Case studies.

iii) INTERIOR DESIGN

Historicity, Principles, Built-in and movable furniture, Interior fittings and furnishings, Color, form, texture and lighting in interiors, Materials used in interiors, Building services related to interiors.

iv) CONSTRUCTION MANAGEMENT

Objectives and functions, management tools, PERT, CPM, Other scientific methods, Line of Balance, Inspection and quality controls, Safety in construction

v) LANDSCAPE DESIGN

Man and nature, Ecology, Historical background, Environmental impact assessment, National environmental policy, Biodiversity, Contemporary landscape design, Site-structure relationship Case studies.

vi) URBAN AND REGIONAL PLANNING

Evolution of settlement design, Classification of settlements, Planning methodologies, Contribution of prominent planners, Urban planning policies, Urban renewal schemes and methodologies, Regional planning principles and methodologies, Constraints and factors of consideration for regional plans.

vii) ARCHITECTURAL CONSERVATION

History and theory of conservation, Philosophy of conservation, Values and Ethics, Cultural heritage, Conservation methods, Classifications, Management of historic sites, Studies of various charters. Role of INTACH, UNESCO, ECOMOS and other organizations.

viii) DISASTER MANAGEMENT

Study of building designs to resist, Earthquake, Fire, Flood, Cyclone, Avalanche and other natural disasters. Post disaster problem resolutions.

ix) ARCHITECTURAL JOURNALISM

Structure of Architectural journals, Writing descriptive and analytical reports, Editing write ups, Photo journalism, Books reviews, Page compositions, The public process. Electronic media.

x) THEATRE/ FILM SET DESIGN

History of set and backdrop design for performance, Theme based design strategies, Period and modern sets, Technology applications

xi) EXPERT SYSTEMS - ADVANCED COMPUTING

Networking, Web design, 3-D modeling, Rendering through software, Walk through.



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xii) MARKETING SKILLS

Building materials market – demand and supply systems, Bulk and retail marketing, Materials promotion and survey.

xiii) BUILDING SYSTEMS INTEGRATION

System and Sub-systems in buildings, analysis of sub-systems and relationship and sub-system. Building systems in different building typologies, Optimizations and sub-system.

xiv) VISUAL COMMUNICATION

Visual communication in architecture, built forms and environment, Way finding in architecture and spaces between built environment

xv) SUSTAINABLE ARCHITECTURE

Sustainability- Principles and methods, Energy conscious design ecological balance conservation of natural resources, Solar passive architecture, Re-cycling.

xvi) ENERGY CONSCIENCE ARCHITECTURE

Use of energy in buildings, Conserving energy, Solar passive and solar active systems, wind energy, Biomass energy, Re-cycling.

xvii) INTELLIGENT BUILDING

Control systems for various buildings services, Types of controllers. Preparation of necessary drawings for installing control systems, Integrated building management system, Remote monitoring and management, Home automation, Developments in service control systems

xviii) MODULAR COORDINATION

Importance of modular coordination in contemporary design and construction and its application in building industry

xix) ART IN ARCHITECTURE

Role of art in history of world architecture, Symbiotic relationship of art and architecture, application of different art forms in architecture. Works of different artists and architects that reflect the inter relationship.

xx) ENVIRONMENTAL STUDIES

Environmental factors effecting human habitat such as climate, environmental pollutions, environmental degradation, green cover etc. at the micro and macro scales.

B. Architecture (Interior Design)

Stage – 2

| | Subjects of Examination | Minimum No. of periods of 50 to 60 minutes duration |
|---|--|--|
| 1 | Project (Thesis) | 288 |
| 2 | Architectural and Interior Design | 216 |
| 3 | Building and Interior Construction and Materials | 108 |
| 4 | Interior Design Theory | 36 |
| 5 | Advanced Building and Interior Services | 36 |
| 6 | Professional practice | 72 |
| 7 | Research Skills and Project introduction | 36 |



| | | |
|-------|---|-----|
| | 4 Electives | 144 |
| I | Housing | |
| II | Urban Design | |
| III | Interior Construction Management | |
| IV | Conservation of Buildings and Interiors | |
| V | Interior Landscape design | |
| VI | Architectural Journalism | |
| VII | Lighting of interiors | |
| VIII | Interior accessories design | |
| IX | History and theory of interior design | |
| X | Theatre/Film Set Design | |
| XI | Hotel interiors | |
| XII | Shops and malls interiors | |
| XIII | Marketing Skills | |
| XIV | Building and Interior Systems Integration | |
| XV | Visual Communication | |
| XVI | Advance Furniture design | |
| XVII | Art in interior design | |
| XVIII | Intelligent Buildings Interiors | |
| XIX | Modular Co-ordination | |
| XX | Art in Architecture and Interiors | |
| | Total | 936 |

Notes:

1. The names given to the subjects of study are suggestive only and institutions may use different nomenclatures. The emphasis on teaching various subjects may vary from institution to institution. New subjects may be introduced and certain subjects given less emphasis depending upon the requirement and educational philosophy of an institution. Teaching in the second stage may be a lot more flexible. Students may obtain employment and may come back to complete the prescribed course later. It may also be possible to complete the second stage of the course as a part time course depending upon the facilities available in an institution.
2. For the purpose of calculating the periods of study, 30 periods per week per semester/term of eighteen weeks are considered.
3. In order to give freedom to the institutions to orient their course as per their own philosophy, approx. 86.66 per cent of the total periods of study have been taken into account for the whole stage and the institutions may allot the balance approx. 13.33 per cent of the study periods to the subjects/areas of their choice.
4. Minimum total contact period should be 936. Thus 144 periods are to be allotted by the institution to the subjects/areas of their choice.

Brief Description of the Subjects Listed in the Second Stage of the Course

1. PROJECT (THESIS)

A major project selected by the students in the area of their interest and attempted after detailed analytical study of the chosen topic/subject. The project is to be done under faculty guidance and presented in a graphic form, model, computer generated graphics and report. In this project the student is expected to individually synthesize all that is learnt in the previous semesters, conduct investigative research through library and other resources, co-ordinate all pertinent architectural and interior issues with the design concept and objectives to reach a viable solution for the resolution of the selected problem. Thesis may also be on theme-based research on architectural and interior projects involving collection and analysis of relevant data presented as an analytical study report.

2. ARCHITECTURAL AND INTERIOR DESIGN

Design of complex buildings and campuses involving analytical studies of building and interior spaces from sociological, economic and cultural points of view. The topics can be universities, industrial estates, housing schemes etc. The exercises may also be oriented with emphasis on design of interior spaces.



3. BUILDING AND INTERIOR CONSTRUCTION AND MATERIALS

Advanced building and interior construction methods and innovative architectural and interior detailing with new materials such as plastics, metals, synthetic boards, glass, composite panels etc,

4. INTERIOR DESIGN THEORY

Elements of Interior Design, Principles of Interior Design, Concepts and Philosophies used in Interior Design, Interior Design methodologies.

5. ADVANCED BUILDING AND INTERIOR SERVICES

Study of advanced building services like HVAC, water supply and disposal, electrical, acoustical, lighting related to complex building and interior situations like high-rise, etc.

6. PROFESSIONAL PRACTICE

Study of office practices, Office administration, Accounting, Building Bye-laws, Tendering, Contracts and Arbitration, Valuation, Professional conduct and ethics, Architects Act 1972, Role of COA, IIA and UIA, Implementing a building contract.

7. RESEARCH SKILLS AND PROJECT INTRODUCTION

Research in Architecture and interiors, Scientific methods with special emphasis on architectural and interior research, Presentation methodologies, Evaluation, Report writing.
Introduction to the Architectural and Interior Thesis Project and preparation of Synopsis.

8. ELECTIVES

i) HOUSING

Housing survey and methodologies. Factors effecting housings. Housing Demand, Policies, Slums, Typologies, Finance, Agencies etc. Housing case studies. Post Occupancy Evaluation.

ii) URBAN DESIGN

Historicity, Determinants of urban form, Urban Design vocabulary, Imagability concepts, Design principles, Aesthetic legislation, Case studies.

iii) INTERIOR CONSTRUCTION MANAGEMENT

Managing small and large scale interior projects, project planning, material and labor management and phasing of parallel running interior projects

iv) CONSERVATION OF BUILDINGS AND INTERIORS

History and theory of conservation, Philosophy of conservation, Values and Ethics, Cultural heritage, Conservation methods, Classifications, Management of historic sites and buildings, Studies of various charters. Role of INTACH, UNESCO, ECOMOS and other organizations. Emphasis on conservation of historic interiors may be given.

v) INTERIOR LANDSCAPE DESIGN

Principles of interior landscaping, role of plant materials in interiors and their growth, and maintenance, Impact on micro climate of interiors with landscaping

vi) ARCHITECTURAL JOURNALISM

Structure of Architectural journals, Writing descriptive and analytical reports, Editing write ups, Photo journalism, Books reviews, Page compositions, The public process. Electronic media.



vii) LIGHTING OF INTERIORS

Artificial and natural lighting systems for interiors, Illumination techniques and types of luminaries used in interiors for different functions and displays, Creating ambience in interiors through lighting controls

ix) HISTORY AND THEORY OF INTERIOR DESIGN

Study of history and theories of interior design in different periods and cultures, Changing trends observed with developing technologies and new materials

x) THEATRE/ FILM SET DESIGN

History of set and backdrop design for performance, Theme based design strategies, Period and modern sets, Technology applications

xi) HOTEL INTERIORS

Case studies and analysis of trends in hotel interiors, their typologies, thematic interiors, special services requirements for hotel interiors,

xii) SHOPS AND MALL INTERIORS

Case studies and analysis of interiors of shops and malls, impact and influence of market conditions, display systems and changing social values on these interiors, high volume human traffic in large interiors and role of specification of finishing materials

xiii) MARKETING SKILLS

Building and interior materials market – demand and supply systems, Bulk and retail marketing, Materials promotion and survey.

xiv) BUILDING AND INTERIOR SYSTEMS INTEGRATION

System and Sub-systems in buildings and interiors, analysis of sub-systems and relationship in different interior typologies, Optimizations and sub-system.

xv) VISUAL COMMUNICATION

Visual communication in interiors and environment, Way finding in interior spaces, Role of graphic symbols and universal language

xvi) ADVANCE FURNITURE DESIGN

Use of materials, impact of developing technologies on furniture design, mass production of furniture, incorporating local crafts in furniture design. New materials and production technologies.

xvii) ART IN INTERIOR DESIGN

Role of art in history of interior architecture, Symbiotic relationship of art and interiors, application of different art forms in interior decoration. Works of different artists and sculptors and their contribution to interiors

xviii) INTELLIGENT BUILDINGS INTERIOR

Control systems for various buildings services in interiors of buildings, Types of controllers. Preparation of necessary drawings for installing control systems, Integrated building management system, Remote monitoring and management, Home automation, Developments in service control systems



xix) MODULAR COORDINATION

Importance of modular coordination in contemporary design and construction and its application in building industry

xx) ART IN INTERIOR DESIGN

Role of art in history of interior architecture, Symbiotic relationship of art and interiors, application of different art forms in interior decoration. Works of different artists and sculptors and their contribution to interiors

B. Architecture (Eco Architecture)

Stage – 2

| | Subjects of Examination | Minimum No. of periods of 50 to 60 minutes duration |
|-------|---|---|
| 1 | Architecture and Landscape Thesis | 288 |
| 2 | Architectural and Landscape Design | 216 |
| 3 | Building and Landscape Construction and Materials | 108 |
| 4 | Advanced Building and Landscape Services | 36 |
| 5 | Urban Design and Landscape | 36 |
| 6 | Professional practice | 72 |
| 7 | Research Skills and Project introduction | 36 |
| | 4 Electives | 144 |
| i | Housing | |
| ii | Art in Architecture and Landscape | |
| iii | Interior Design | |
| iv | Urban Ecology | |
| v | Environment Impact assessment | |
| vi | Geographical Information Systems | |
| vii | Landscape Construction Management | |
| viii | Heritage and Conservation of Landscape | |
| ix | Interior Landscape design | |
| x | Streetscapes | |
| xi | Landscape Services | |
| xii | Experts Systems Advanced Computing | |
| xiii | Marketing Skills | |
| xiv | Landscape Systems Integration | |
| xv | Visual Communication | |
| xvi | Sustainable Architecture | |
| xvii | Energy Conscious Architecture | |
| xviii | Urban landscape design | |
| xix | Art in Public Spaces | |
| xx | Water in Urban Landscapes | |
| | Total Hours | 936 |

Note:

1. The names given to the subjects of study are suggestive only and institutions may use different nomenclatures. The emphasis on teaching various subjects may vary from institution to institution. New subjects may be introduced and certain subjects given less emphasis depending upon the requirement and educational philosophy of an institution. Teaching in the second stage may be a lot more flexible. Students may obtain employment and may come back to complete the prescribed course later. It may also be possible to complete the second stage of the course as a part time course depending upon the facilities available in an institution.
2. For the purpose of calculating the periods of study, 30 periods per week per semester/term of eighteen weeks are considered.
3. In order to give freedom to the institutions to orient their course as per their own philosophy, approx. 86.66 per cent of the total periods of study have been taken into account for the whole stage and the institutions may allot the balance approx. 13.33 per cent of the study periods to the subjects/areas of their choice.



4. Minimum total contact period should be 936. Thus 144 periods are to be allotted by the institution to the subjects/areas of their choice.
5. It is expected that entire final year is devoted to practical training.
6. It is suggested that subject of Professional practice and two electives may be offered together with Project work (Thesis).

Brief Description of the Subjects Listed in the Second Stage of the Course

1. PROJECT (THESIS)

A major project selected by the students in the area of their interest and attempted after detailed analytical study of the chosen topic/subject. The project is to be done under faculty guidance and presented in a graphic form, model, computer generated graphics and report. In this project the student is expected to individually synthesize all that is learnt in the previous semesters, conduct investigative research through library and other resources, coordinate all pertinent architectural and landscape issues with the design concept and objectives to reach a viable solution for the resolution of the selected problem. Thesis may also be on theme-based research on architectural and landscape projects involving collection and analysis of relevant data presented as an analytical study report.

2. ARCHITECTURAL AND LANDSCAPE DESIGN

Design of complex buildings and campuses involving analytical studies of building and open spaces from sociological, economic and cultural points of view. The topics can be universities, industrial estates, housing schemes, parks, gardens, public spaces etc. The exercises may also be oriented with emphasis on design of landscape spaces.

3. BUILDING AND LANDSCAPE CONSTRUCTION AND MATERIALS

Advanced building and landscape construction methods and innovative architectural and landscape detailing with new materials such as plastics, metals, synthetic boards, glass, composite panels etc,

4. ADVANCED BUILDING AND LANDSCAPE SERVICES

Study of advanced building services like HVAC, water supply and disposal, electrical, acoustical, lighting related to complex building and landscape situations like high-rise, parks, open spaces etc.

5. URBAN DESIGN AND LANDSCAPE

Historicity, Determinants of urban and landscape form, Urban and Landscape Design vocabulary, Imagability concepts, Design principles, Aesthetic legislation, Case studies etc.

6. PROFESSIONAL PRACTICE

Study of office practices, Office administration, Accounting, Building Bye-laws, Tendering, Contracts and Arbitration, Valuation, Professional conduct and ethics, Architects Act 1972, Role of COA, IIA and UIA, Implementing a building contract.

7. RESEARCH SKILLS AND PROJECT INTRODUCTION

Research in Architecture, Scientific methods with special emphasis on architectural research, Presentation methodologies, Evaluation, Report writing.

Introduction to the Architectural Thesis Project and preparation of Synopsis.

8. ELECTIVES

i) HOUSING

Housing survey and methodologies. Factors effecting housings. Housing Demand, Policies, Slums, Typologies, Finance, Agencies etc. Housing case studies. Post Occupancy Evaluation.



ii) ART IN ARCHITECTURE AND LANDSCAPE

Role of art in history of world architecture and landscape, Symbiotic relationship of art and architecture, application of different art forms in architecture and landscape. Works of different artists, architects and landscape designers hat reflect the inter relationship.

iii) INTERIOR DESIGN

Historicity, Principles, Built-in and movable furniture, Interior fittings and furnishings, Color, form, texture and lighting in interiors, Materials used in interiors, Building services related to interiors.

iv) URBAN ECOLOGY

Urban eco systems and its key issues, management of urban ecology, conserving site ecology through design. Concept of sustainable design in urban context. Environment management through eco friendly techniques.

v) ENVIRONMENT IMPACT ASSESSMENT

Predicting of project / development impact on the existing landscape. Correlating use and existing landscape to reduce this impact. Designing with Nature. Using tools of analysis like layering, matrices etc.

vi) GEOGRAPHICAL INFORMATION SYSTEMS

Introduction to Geographical Information System, its importance in environmental management. Aerial and satellite photo interpretation. Study of various GIS packages available in Market.

vii) LANDSCAPE CONSTRUCTION MANAGEMENT

Role of a designer in phasing and scheduling works on site. Time management. Coordinating various agencies, cost analysis, tendering, etc.

viii) HERITAGE AND CONSERVATION OF LANDSCAPE

Concepts of cultural and natural heritage landscapes. Approaches to conserve these sites and also temporally and spatially connecting them to the present day scenario. Decision making regarding interventions in these sites based upon grading of these sites.

ix) INTERIOR LANDSCAPE DESIGN

Significance of interior landscape design in urban areas. Interior environmental factors affecting landscape design. Visual landscapes in interiors.

x) STREETSCAPES

Street vegetation, traffic and design linkages, facades– Landuses – landscape linkage, Signages, etc. Concept of Imageability and legibility through landscapes.

xi) LANDSCAPE SERVICES

Services specific to Landscape design – Introduction and significance. Lighting in Landscape, Storm water management, integrating rainwater harvesting with landscape, irrigation of soft landscapes using drip irrigation, etc.

xii) EXPERT SYSTEMS - ADVANCED COMPUTING

Networking, Web design, 3-D modeling, Rendering through software, Walk through.



xiii) MARKETING SKILLS

Building materials market – demand and supply systems, Bulk and retail marketing, Materials promotion and survey.

xiv) LANDSCAPE SYSTEMS INTEGRATION

System and Sub-systems in landscapes and campuses, analysis of sub-systems and relationship between them. Optimizations and sub-system.

xv) VISUAL COMMUNICATION

Visual communication in architecture and landscape, built forms and environment, Way finding in architecture and spaces between built environment

xvi) SUSTAINABLE ARCHITECTURE

Sustainability- Principles and methods, Energy conscious design ecological balance conservation of natural resources, Solar passive architecture, Re-cycling.

xvii) ENERGY CONSCIENCE ARCHITECTURE

Use of energy in buildings, Conserving energy, Solar passive and solar active systems, wind energy, Biomass energy, Re-cycling.

xviii) URBAN LANDSCAPE DESIGN

Study of history of landscape design at urban level in different periods and cultures. Use of Urban landscape in visual, environmental and social context in modern times. Changing trends observed in new global socio-economic scenario.

xix) ART IN PUBLIC SPACES

Types of art in public places – murals, sculpture. Usable art (furniture, water bodies etc.) Concepts of Public Art and Land Art. Evolution of art in landscapes.

xx) WATER IN URBAN LANDSCAPES

Water as important element of urban landscapes. Visual, functional, ecological aspects of water as landscape element.

B. Architecture (Construction Technology)

Stage – 2

| | Subjects of Examination | Minimum No. of periods of 50 to 60 minutes duration |
|-----|---|--|
| 1 | Project (Thesis) | 288 |
| 2 | Architectural Design and Project Management | 216 |
| 3 | Building Construction and Materials | 108 |
| 4 | Advanced Services | 36 |
| 5 | Project Planning and Management Systems | 36 |
| 6 | Professional practice | 72 |
| 7 | Research Skills and Project introduction | 36 |
| | 4 Electives | 144 |
| i | Housing | |
| ii | Urban Design | |
| iii | Landscape Design | |
| iv | Project Contract System | |
| | Construction Equipments and Methods | |



| | | |
|-------|--|-----|
| vi | Operations Research | |
| vii | Construction Quality and Cost Controls | |
| viii | Disaster Management | |
| ix | Retrofitting of Buildings | |
| x | Labor Laws and Management | |
| xi | Building Bye Laws | |
| xii | Marketing Skills | |
| xiii | Expert Systems and Advanced Computing | |
| xiv | Infrastructure Planning and Management | |
| xv | Building Systems Integration | |
| xvi | Visual Communication | |
| xvii | Intelligent Buildings | |
| xviii | Estate Management | |
| xix | Modular Coordination | |
| xx | Building Systems Integration | |
| | Total | 936 |

Note:

1. The names given to the subjects of study are suggestive only and institutions may use different nomenclatures. The emphasis on teaching various subjects may vary from institution to institution. New subjects may be introduced and certain subjects given less emphasis depending upon the requirement and educational philosophy of an institution. Teaching in the second stage may be a lot more flexible. Students may obtain employment and may come back to complete the prescribed course later. It may also be possible to complete the second stage of the course as a part time course depending upon the facilities available in an institution.
2. For the purpose of calculating the periods of study, 30 periods per week per semester/term of eighteen weeks are considered.
3. In order to give freedom to the institutions to orient their course as per their own philosophy, approx. 86.66 per cent of the total periods of study have been taken into account for the whole stage and the institutions may allot the balance approx. 13.33 per cent of the study periods to the subjects/areas of their choice.
4. Minimum total contact period should be 936. Thus 144 periods are to be allotted by the institution to the subjects/areas of their choice.
5. It is expected that entire final year is devoted to practical training.
6. It is suggested that subject of Professional practice and two electives may be offered together with Project work (Thesis).

Brief Description of the Subjects Listed in the Second Stage of the Course

1. PROJECT (THESIS)

A major project selected by the students in the area of their interest and attempted after detailed analytical study of the chosen topic/subject. The project is to be done under faculty guidance and presented in a graphic form, model, computer generated graphics and report. In this project the student is expected to individually synthesize all that is learnt in the previous semesters, conduct investigative research through library and other resources, coordinate all pertinent architectural and landscape issues with the design concept and objectives to reach a viable solution for the resolution of the selected problem. Thesis may also be on theme-based research on architectural and landscape projects involving collection and analysis of relevant data presented as an analytical study report. The thesis may lay emphasis on application of construction technology/systems on the project.

2. ARCHITECTURAL DESIGN AND PROJECT MANAGEMENT

Design of complex buildings and campuses involving analytical studies of building and spaces from sociological, economic and cultural points of view. The topics can be universities, industrial estates, housing schemes etc. Application of project management techniques on architectural projects.

3. BUILDING CONSTRUCTION AND MATERIALS

Study of advanced building construction methods and innovative architectural detailing with new materials such as plastics, metals, synthetic boards, glass, composite panels etc,



4. ADVANCED SERVICES

Study of advanced building services like HVAC, water supply and disposal, electrical, acoustical, lighting related to complex building situations like high-rise, complexes, cities etc.

5. PROJECT PLANNING AND MANAGEMENT SYSTEM

Management system and techniques for various kinds of building projects both one-off and repetitive. Project planning and scheduling, resource management as applicable to building projects.

6. PROFESSIONAL PRACTICE

Study of office practices, Office administration, Accounting, Building Bye-laws, Tendering, Contracts and Arbitration, Valuation, Professional conduct and ethics, Architects Act 1972, Role of COA, IIA and UIA, Implementing a building contract.

7. RESEARCH SKILLS AND PROJECT INTRODUCTION

Research in Architecture and construction technology, Scientific methods with special emphasis on architectural and construction technology research, Presentation methodologies, Evaluation, Report writing. Introduction to the Architectural Thesis Project and preparation of Synopsis.

8. ELECTIVES

i) HOUSING

Housing survey and methodologies. Factors effecting housings. Housing Demand, Policies, Slums, Typologies, Finance, Agencies etc. Housing case studies. Post Occupancy Evaluation.

ii) URBAN DESIGN

Historicity, Determinants of urban form, Urban Design vocabulary, Imagability concepts, Design principles, Aesthetic legislation, Case studies.

iii) LANDSCAPE DESIGN

Man and nature, Ecology, Historical background, Environmental impact assessment, National environmental policy, Biodiversity, Contemporary landscape design, Site-structure relationship Case studies.

iv) PROJECT CONTRACT SYSTEMS

Various types of Contract Systems: their suitability for diverse kinds of projects. Merits/Demerits of different systems. Management of contracts.

v) CONSTRUCTION EQUIPMENTS AND METHODS

Introduction to various construction equipments, their classification and selection keeping in view suitability of each equipment. Factors affecting output of equipments, management aspects of equipments and safety precaution aspects.

vi) OPERATIONS RESEARCH

Basic concepts of OR and its use in managing large complex projects that require effective use of various elements such as money, materials, equipment and people. Use of OR methods to determine better ways to co-ordinate these elements by applying analytical methods.



vii) Construction Quality and Cost Controls

Factors effecting construction quality. Methods and processes of monitoring projects and compliance with relevant standards. Factors effecting project costs and cost control measures. Cost analysis, re-scheduling, reporting and project evaluation.

viii) DISASTER MANAGEMENT

Study of building designs to resist, Earthquake, Fire, Flood, Cyclone, Avalanche and other natural disasters. Post disaster problem resolutions.

ix) RETRO FITTING OF BUILDINGS

Reasons requiring retrofitting.. Assessment of structures through relevant tests. Various retrofitting solutions

x) LABOUR LAWS & MANAGEMENT

Introduction to Labor Laws in India. Labor disputes and settlement issues. Management aspects relating to Labor Laws.

xi) BUILDING BYE LAWS

Need and significance of Building Byelaws as Development Regulators. Study and application of some typical Byelaws on projects

xii) MARKETING SKILLS

Building materials market – demand and supply systems, Bulk and retail marketing, Materials promotion and survey. Interpersonal relationship development systems.

xiii) EXPERT SYSTEMS - ADVANCED COMPUTING

Networking, Web design, 3-D modeling, Rendering through software, Walk through.

xiv) INFRASTRUCTURE PLANNING & MANAGEMENT

Need and significance of Infrastructure as related to design of Buildings. Design, planning and application of Management Systems for infrastructure development.

xv) BUILDING SYSTEMS INTEGRATION

System and Sub-systems in buildings, analysis of sub-systems and relationship and sub-system. Building systems in different building typologies, Optimizations and sub-system.

xvi) VISUAL COMMUNICATION

Visual communication in architecture, built forms and environment, Way finding in architecture and spaces between built environment

xvii) INTELLIGENT BUILDING

Control systems for various buildings services, Types of controllers. Preparation of necessary drawings for installing control systems, Integrated building management system, Remote monitoring and management, Home automation, Developments in service control systems

xviii) ESTATE MANAGEMENT

Estate Management for controlling of budget issues (fixed/variable expenses), safety concerns regarding the structure, hiring, managing & training of staff. Management of services and utilities in existing estates.



xix) MODULAR COORDINATION

Importance of modular coordination in contemporary design and construction and its application in building industry

xx) BUILDING SYSTEMS INTEGRATION

System and Sub-systems in buildings, analysis of sub-systems and relationship and sub-system. Building systems in different building typologies, Optimizations and sub-system.



**GUIDELINES FOR CONDUCT OF
ARCHITECTURAL THESIS/PROJECT AND PRACTICAL TRAINING**

1. The practical training of one year duration shall be carried out in the office of an experienced architect registered with the Council of Architecture or trained professional of the relevant field in stage II.
2. The practical training shall be supervised and evaluated by the institution.
3. The Architectural Thesis/Project will be initiated in the seventh semester and completed in the eighth semester.
4. The candidate shall submit a synopsis of the Thesis Project and the institution will approve this before the candidate is allowed to proceed with the Thesis project.
5. The Architectural Thesis/Project shall be prepared under the guidance of an experienced teacher/qualified professional.
6. The institution shall conduct the internal evaluation stages for the Architectural Thesis/Project with the guide as a co-assessor.
7. A jury comprising of an internal and external examiner and the guide shall conduct the final examination of the Architectural Thesis/Project in the institution at the end of the Tenth semester as a University examination.



**MINIMUM QUALIFICATIONS, EXPERIENCE AND STRUCTURE FOR TEACHING POSTS
IN DEGREE LEVEL ARCHITECTURAL INSTITUTIONS**

| Sr | Cadre | Educational Qualifications | Work Experience (Excluding time period for acquisition of PG/ Ph.D qualifications) | Experience for candidates from practice |
|----|--------------------------|--|---|--|
| 1 | Assistant Professor | First class Bachelor's Degree in Architecture OR Bachelor's Degree in Architecture; AND First Class Master's Degree in Architecture | DESIRABLE One year Teaching Experience as Visiting teacher | DESIRABLE One year Teaching Experience as Visiting teacher |
| 2 | Associate Professor | First class Bachelor's Degree in Architecture; AND Master's Degree in Architecture OR Bachelor's Degree in Architecture; AND First Class Master's Degree in Architecture OR First class Bachelor's Degree in Architecture; AND Ph. D. in Architecture | Eight Years Teaching Experience. | Eight Years Experience in Practice/ Research; DESIRABLE Three Years Teaching Experience as Visiting teacher |
| 3 | Professor | First class Bachelor's Degree in Architecture; AND Master's Degree in Architecture OR Bachelor's Degree in Architecture; AND First Class Master's Degree in Architecture OR First class Bachelor's Degree in Architecture; AND Ph. D. in Architecture (Desirable – Ph. D. in Architecture OR Published work in referred journals OR significant professional work which can be considered equivalent to Ph. D) | Thirteen Years Teaching Experience out of which Five years of Teaching Experience as Assistant Professor. (Relaxation of upto three years in teaching experience may be given to candidates having Ph.D or equivalent) | Thirteen Years Experience in Practice/ Research; DESIRABLE Five Years Teaching Experience as Visiting teacher |
| 4 | Professor (Design Chair) | Bachelor's Degree in Architecture | - | Each institution shall have one person appointed on this chair who has at least 20 years of professional experience and having done commendable professional work. Such appointment shall be for a tenure of 3 to 5 years. |
| 5 | Principal / Director | First class Bachelor's Degree in Architecture; AND Master's Degree in Architecture OR Bachelor's Degree in Architecture; AND First Class Master's Degree in Architecture OR First class Bachelor's Degree in Architecture; AND Ph. D. in Architecture (Desirable – Ph. D. in Architecture OR Published work in referred journals OR significant professional work which can be considered equivalent to Ph. D) | Eighteen years of teaching experience out of which Ten Years Teaching Experience as Assistant Professor. OR Eighteen years of teaching experience out of which Five Years Teaching Experience as Professor. (Desirable – Experience in Administration at responsible position) | Eighteen Years Experience in Practice/ Research; INCLUDING Ten Years Teaching Experience as Visiting teacher |

Notes :

- Only candidates registered with Council of Architecture (COA) under the provisions of the Architects Act, 1972 shall be eligible for the above posts.
- All the qualifications appearing in the schedule under section 14 and 15 of the Architects' Act 1972 shall be considered as at par with Bachelor's Degree in Architecture for the purpose of recruitment as teacher.



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3. It is advisable that approximately 25% of the teaching load should be allotted to the Visiting faculty.
4. Each Institution shall have minimum staff structure of full time staff for an intake of 40, in addition to the Principal/ Director as following :

Professors – 2, Associate Professors – 4, Assistant Professors – 8

For intake more than 40 proportionate increase in the above posts shall be made.

Of these full time teachers 50% may be on permanent posts and rest on tenure basis with tenures of 3, 5, 7 or 10 years depending upon their caliber as teacher.
5. In addition to above full time teachers institute may recruit qualified persons in the field of Engineering/ Planning/Quantity Surveying/Fine Arts/ Humanities, etc. depending on actual requirements, on full time/ part time basis.
6. The institute may recruit persons with post graduate qualifications in the allied field of relevant discipline depending on actual requirements, up to 1/3 of total full time strength of Lecturers and Asst. Professors.
7. The Institutes conducting B. Arch courses with specialization, may recruit persons with post graduate qualifications in the relevant field of specialization on the post of professors in proportionate numbers.
8. If class/ division is not awarded at Master's level, a minimum of 60% marks in aggregate shall be considered equivalent to first class/ division. If a grade point system is adopted the CGPA will be converted into equivalent marks as given in the table E-6 of the notification no. 1-65/NEC/98-99, March 15, 2000 (Degree level – Government institutions) and may 3, 2000 (Degree level – Self financing institutions)

| Grade point | Percentage of Marks |
|-------------|---------------------|
| 6.25 | 55 |
| 6.75 | 60 |
| 7.25 | 65 |
| 7.75 | 70 |
| 8.25 | 75 |

9. To recognize the services rendered by senior teachers who do not fit into above requirements, of approved teachers already in full-time employment for 15 years, the requirement of qualifications may be relaxed.
10. All teachers must be encouraged to actively pursue practice/ research without neglecting their duties towards school/ students and institutes may support teachers in such activities.
11. Institutes shall adopt the provisions made in the Career Advancement Scheme as appended in Appendix-B2. The benefits accruing to teachers from this scheme shall be over and above the existing positions/ vacancies listed above in this section.
12. The post of Professor (Design Chair) will be over and above the approved posts of professors.
13. The procedure to decide on the equivalence of research works in referred journals or significant professional work with Ph.D. will be determined by the Council of Architecture only.

Note : The Central Government while sanctioning the recommendations of the 6th Central Pay Commission have abolished the posts of Lecturer & Assistant Professor in Degree level Institutions and re-designated the same to that of Assistant Professor and Associate Professor respectively and accordingly fixed their scale of pay as per the recommendation of the 6th Central Pay Commission. In accordance with the same, the Executive Committee of the Council of Architecture (CoA), at its 104th Meeting held on 26.03.2010, decided that all the Schools of Architecture may re-designate the posts of Lecturer to Assistant Professor and Assistant Professor to Associate Professor and adopt the pay-scales for these posts as approved by the Central Government in terms of recommendations of the 6th Central Pay Commission.



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CAREER ADVANCEMENT SCHEME

Incentives for Ph.D. / M.Arch.

- A) At the time of recruitment as Lecturers, four and two advance increments will be admissible to those who hold Ph. D. and M. Arch. Degree respectively.
- B) Two increments will be admissible to those lecturers who acquire M. Arch within four years of recruitment.
- C) A teacher will be eligible for two advance increments as and when he acquires Ph D degree in his service.

Career Advancement

- a) Minimum length of service for eligibility to move into the grade of Lecturer (senior Scale) would be four years for those with Ph D, five years for those with M Arch and six years for others as lecturer.
- b) For eligibility to move into the grade of Lecturer (Selection Grade)/Assistant Professors, the minimum length of service as Lecturer (Senior Scale) shall be uniformly five years.
- c) For movement into grades of Assistant Professor and above, the minimum eligibility criterion would be M. Arch. Those without M. Arch. can go up to the level of Lecturer (Selection Grade).
- d) An Assistant Professor with a minimum of 5 years of service will be eligible for consideration for appointment as Professor.
- e) The selection committees for career advancement shall be the same as those for direct recruitment for each category.

Lecturer (Senior Scale)

A Lecturer will be eligible for placement in a senior scale through a procedure of selection, if she/he has:

- i Completed 6 years of service after regular appointment with relaxation of one year and two years, respectively, for those with M.Arch. and Ph.D.
- ii Participated in Quality Improvement Programs of total duration of 4 weeks or engaged in other appropriate continuing education programs of comparable quality as may be specified or approved by the Council of Architecture. OR accrued 20 credit points through attending or conducting QIP/ Teacher's Training Programs approved by Council of Architecture.
- iii Consistently satisfactory performance appraisal reports.
- iv Shows evidence of serious academic inputs like improved teaching plans, improved teaching methodologies, created innovative teaching aids etc.

Lecturer (Selection Grade)

Lecturers in the Senior Scale who do not have a M. Arch. degree or equivalent published work and who do not meet the scholarship and research standards, but fulfils the other criteria given below for the post of Assistant Professor and have a good record in teaching and preferably have contributed in various ways such as to the corporate life of the institution, examination work or through Research & Extension activities, will be placed in the selection grade subject to the recommendation of the selection committee which is the same as for promotion to the post of Assistant Professor. They will be designated as Lecturers in the Selection Grade. They could offer themselves for fresh assessment after obtaining M. Arch. and/or fulfilling other requirements for promotion as Assistant Professor and if found suitable could be given the designation of Assistant Professor.

Assistant Professor

A Lecturer in the Senior Scale will be eligible for promotion to the post of Assistant Professor if she/he has:

- i Completed 5 years of service in the Senior Scale.
- ii In addition to the sanctioned position of Professors, which must be filled in through direct recruitment through all India advertisements, promotions may be made from the post of Assistant Professor after 5 years of service as Assistant Professor.
- iii Participated in Quality Improvement Programs of total duration of 8 weeks or engaged in other appropriate continuing education programs of comparable quality as may be specified or approved by the Council of



Architecture. OR accrued 40 credit points through attending or conducting QIP/ Teacher's Training Programs approved by Council of Architecture.

Professor

The Selection Committee for promotion to the post of Professor should be the same as that for direct recruitment. For the promotion from Assistant Professor to Professor, the following method of promotion may be followed.

The candidate should present herself/himself before the Selection Committee with the first two and any two of the remaining in the following:

- a. Self-appraisal reports (essential)
- b. Seminars/Conferences attended. Must have attended at least 4 seminars/ conference at national or international level OR must have attended Q.I.P.s (short-term courses) of total duration of 4 weeks.
- c. Research contribution, books, articles, etc. published (At least four papers in Journals are essential). The best three written contributions of the teacher (as defined by her/him) may be sent in advance to the Experts to review before coming for the selection. The candidate should be asked to submit these in 3 sets with the application.
- d. Significant contribution to teaching/academic environment /institutional corporate life.
- e. Adequate Extension and field outreach activities.
- f. Development of course material/Monographs.
- g. Participation in Continuing Education Program.
- h. Any other academic contributions.

The requirement of consistently satisfactory performance appraisal reports, shall be the mandatory requirement for Career Advancement from Lecturer to Lecturer (Senior Scale) and from Lecturer (Senior Scale) to Lecturer (Selection Grade)/Assistant Professor.

Selection Committee

For Lecturer/ Assistant Professor/ Professor

The following committee is recommended for all the levels of promotions/direct recruitment:

1. Chairman, Board of Governors
2. The Principal of the concerned College
3. Head/ chairperson of the Department not below the rank of Professor.
4. a) Vice Chancellor or his nominee- not below the rank of Professor in Technical Institute.
b) Nominee of COA not below the rank of Professor
5. Experts
 - i) For Lecturers two subject experts, out of which one must be present
 - ii) Three subject Experts for Assistant Professor/ Professor, out of which two must be present.

Note:

- i) In case of University Department, Vice Chancellor will be the Chairman of the Selection Committee as well as Dean of the concerned Faculty will be the member of the Selection Committee.
- ii) In case of Government Colleges, where selections are made through Public Service Commission. The Commission must have three subject Experts for which the Public Service Commission must involve University in the selection. The Principal of the college should necessarily be included in the Selection Committee. The Commission may decide the Chairman of the Selection Committee.
- iii) At least four members including two outside Experts must constitute the quorum.

The process of selection should include involve the following in addition to other promoters decided by the Selection Committee:

- a) Assessment of aptitude for teaching and Research
- b) Ability to communicate clearly and effectively
- c) Ability to analyze and discuss.



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COUNCIL OF ARCHITECTURE

(Statutory authority constituted under the Architects Act, 1972)


NOTIFICATION

New Delhi, 11th August, 2020

F. No. CA/193/2020/MSAER.—In exercise of the powers conferred by clauses (e), (g), (h) and (j) of sub-section (2) of section 45 read with section 21 of the Architects Act, 1972 (20 of 1972), and in supersession of the Council of Architecture (Minimum Standards of Architectural Education) Regulations, 1983, except as respects things done or omitted to be done before such supersession, the Council of Architecture, with the approval of the Central Government, hereby makes the following regulations, namely:-

1. **Short Title and Commencement-** (1) These regulations may be called the Council of Architecture (Minimum Standards of Architectural Education) Regulations, 2020.
(2) They shall come into force from the 1st day of November, 2020.
2. **Definitions-** In these regulations, unless the context otherwise requires:-
 - (a) "Act" means the Architects Act, 1972 (20 of 1972);
 - (b) "Core faculty" means full time teaching staff members with valid registration with the Council, appointed by the institution on regular basis.
 - (c) "Council" means of Council of Architecture constituted under section 3 of the Act;
 - (d) "Executive Committee" means the Executive Committee constituted under Section 10 of the Act;
 - (e) "Faculty" means the teaching staff members in the service of the institution;
 - (f) "Institution" means a department of University/ college/ school of architecture in India imparting instructions for recognized qualification;
 - (g) "Recognised qualifications" means any qualification in architecture for the time being included in the Schedule appended to the Act or notified under section 15 of Act.
3. **Duration of the Architecture Course-** (1) The Architecture course shall be of minimum duration of 5 academic years or 10 semesters of 15 to 18 working weeks (90 work days) each, inclusive of six months or one semester of approximately 16 working weeks of practical training during 8th or 9th Semester, as prescribed in Appendix-A.
(2) The Curriculum structure of the Architecture course shall follow the guidelines as outlined in Appendix-A under the Choice Based Credit System. However, the modes of periodic assessment, end semester and viva voice examinations, weightages and grading system are left to the discretion of the University or Institution.
(3) A candidate shall not be permitted to enroll for the Architectural Design course in a semester unless he has completed the Architectural Design course of the previous semester.
(4) A candidate shall not be permitted to enroll for the tenth semester Architectural Design Thesis or dissertation or project course unless he has successfully completed Practical Training or Internship.
(5) A candidate shall be awarded the degree in Architecture course by the University or Institution for having earned the minimum credits as specified in the curriculum.
(6) The Architecture Course shall be completed in a maximum period of 8 years. However, in special circumstances a candidate may be granted an extra 1 year by the University or Institution to complete the course. This shall be given only once to the candidate and treated as zero year.
(7) In case a candidate is not able to complete the course in the prescribed duration, the University or Institution may provide an exit option for the candidate if he has completed and earned all credits for the first three years of study.
4. **Admission to the Architecture degree course-**(1) No candidate shall be admitted to architecture course unless he has passed an examination at the end of the 10+2 scheme of examination with at least 50 per cent. aggregate marks in Physics, Chemistry and Mathematics and also at least 50 per cent. marks in aggregate of the 10+2 level examination or passed 10+3 Diploma Examination with Mathematics as compulsory subject with at least 50 per cent. marks in aggregate.
(2) The candidate needs to qualify an Aptitude Test in Architecture conducted by the Council complying with the Admission Norms prescribed in Appendix-D.
(3) The institutions shall give weightage of 50 per cent. marks for aptitude tests and 50 per cent. marks in the qualifying examination as provided in sub-regulation (1), in the matter of admissions.




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- (4) Reservation of seats and relaxation in percentage of marks obtained in the qualifying examination for admission shall be as per the reservation policy of Central Government or the respective State Governments.
- 5. Intake and Migration –** (1) The university or institution shall admit candidates at the first year level as per the intake sanctioned by the Council, subject to a maximum of forty candidates in a class. If candidates are admitted above forty as per sanctioned intake, separate classes shall be organised for each 40 candidates or part thereof.
- (2) Migration of a student of any class from one institution to another institution is permitted at the discretion of the institutions involved, subject to the number of students not exceeding the permitted maximum intake in that class in the receiving institution and the same shall be notified by the receiving institution to the Council.
- (3) Supernumerary quota of admissions as notified by the Government of India shall be over and above the sanctioned intake. The institutions must create additional physical and academic infrastructural facilities, as may be required, for the same in case such admissions exceed 10 per cent. of the sanctioned intake. Further these candidates need to fulfill the requirement specified in Regulation 4.0.
- (4) A unique Student Enrolment Number shall be issued by the Council to a student admitted to Architecture Degree course, upon being notified by the institution, provided all eligibility norms for admission as prescribed by the Council are satisfied.
- 6. Courses and periods of studies** (1) The guidelines for the courses and periods of studies shall be as provided in Appendix- A.
- (2) The institution shall, as an integral part of architectural education curriculum and as a part of teaching course, arrange for study tours, visits, to places of architectural interest.
- 7. Professional examination, Standards of proficiency and conditions of admissions, qualification of examiners-**(1) The University or Institution shall conduct the examinations at the end of each semester.
- (2) The sessional work shall, as far as possible, be assessed by a Jury or Panel of internal and external examiners.
- (3) The weightage of internal marks for various courses of study shall not exceed 50 per cent. of the total marks. Internal Assessment of Sessional work shall be done periodically for all courses during a semester, in addition to the end-of- semester examinations, if any.
- (4) The pass percentage shall not be less than 45 per cent. in each subject.
- (5) Any examiner shall have a minimum of 5 years teaching / professional experience in a field of study relating to the subject of examination. However, an external examiner for tenth semester Architectural Design Thesis/dissertation/project course shall have a minimum of 10 years teaching/ professional experience.
- 8. Standards of staff, equipment, accommodation, training and other facilities for Architecture education –**
- (1) The institutions shall maintain a teacher and student ratio of 1:10 including core faculty, faculty from allied disciplines and visiting faculty.
- (2) The institutions shall have a minimum number of 12 core faculty members for student strength of 200, apart from faculty from allied disciplines and visiting faculty.
- (3) The institutions shall maintain strength of faculty as per the pattern prescribed in Appendix – B.
- (4) The institutions shall encourage the faculty members to involve in professional practice including research.
- (5) The institutions shall provide facilities as indicated in Appendix-C.
- (6) The institutions may encourage exchange of faculty members for academic course.
- (7) In a selection Committee as prescribed by any Institution or University for Selection Process of faculty, there shall be one Nominee of the Council, who shall act as full-fledged member of such Selection Committee constituted for the purpose of recruitment and /or promotion of faculty, except for Centrally Funded Technical institutions (CFTIs)
- (8) The Academic Calendar to be followed by institutions for the commencement of the Architecture course shall be as published by the Council every year.
- 9. Miscellaneous-** (1) The University or Institution shall take necessary steps to curb ragging in its premises and take appropriate action as prescribed by Council in case of any such incident.
- (2) The University or Institution shall ensure that women (staff, faculty or students) are protected against sexual harassment at the institution and initiate necessary steps as prescribed by Council.

RAJ KUMAR OBEROI, Registrar

[ADVT.-III/4/Exty./178/2020-21]



APPENDIX-A

COURSES, PERIODS OF STUDY AND SUBJECTS OF EXAMINATION UNDER CHOICE BASED CREDIT SYSTEM FOR THE ARCHITECTURE DEGREE COURSE

1. Under the Choice based credit system, which is a student or learner centric system, the courses of study in the Architecture Degree course shall be as under:

- (1) Professional Core (PC) Course: A course, which should compulsorily be studied by a candidate as a core requirement is termed as a Core course.
- (2) Building Sciences and Applied Engineering (BS and AE) Course: A course which informs the Professional core and should compulsorily be studied.
- (3) Elective Course: Generally a course which can be chosen from a pool of courses and are of two types:
 - (i) Professional Elective (PE) which may be very specific or specialised or advanced or supportive to the discipline or subject of study or which provides an extended scope
 - (ii) Open Elective (OE) which enables an exposure to some other discipline or subject or domain or nurtures the candidate's proficiency or skill
- (4) Employability Enhancement Courses (EEC) which may be of two kinds: Employability Enhancement Compulsory Courses (EECC) and Skill Enhancement Courses (SEC)

2. The Weightage in terms of Credits for each of the above in the prescribed curriculum of the institution shall be as follows:

- | | |
|---|----------------|
| (1) Professional Core Courses (PC) | : 50 per cent. |
| (2) Building Sciences and Applied Engineering (BS and AE) | : 20 per cent. |
| (3) Elective Courses | |
| (i) Professional Electives (PE) | : 10 per cent. |
| (ii) Open Electives (OE) | : 5 per cent. |
| (4) Professional Ability Enhancement Courses (PAEC) | |
| (i) Professional Ability Enhancement Compulsory Courses (PAECC) | : 10 per cent. |
| (ii) Skill Enhancement Courses (SEC) | : 5 per cent. |

Note:- Where it is not possible to offer Open Electives, Professional Electives may have a weightage of 15 per cent. of the total credits.

3. The suggested list of courses under each of these groups is provided in following Table 1.0

TABLE 1.0

| I. PROFESSIONAL CORE COURSES (PC) | |
|-----------------------------------|-------------------------------------|
| 1. | Basic Design and Visual Arts |
| 2. | Architectural Design |
| 3. | Architectural Design Thesis |
| 4. | Architectural Graphics and Drawing |
| 5. | History of Architecture and Culture |
| 6. | Principles/ Theory of Architecture |
| 7. | Urban Design |
| 8. | Human Settlements Planning |
| 9. | Housing |
| 10. | Landscape Design |
| 11. | Site Planning |
| 12. | Carpentry and Model Making Workshop |



| | |
|---|---|
| 13. | Specifications, Cost Estimation and Budgeting |
| II. BUILDING SCIENCES AND APPLIED ENGINEERING (BS AND AE) | |
| 14. | Building Materials |
| 15. | Building Construction |
| 16. | Applied Mechanics |
| 17. | Structural Design and Systems |
| 18. | Climatology |
| 19. | Building Services |
| 20. | Surveying and Leveling |
| 21. | Acoustics |
| 22. | Environmental lab |
| 23. | Environmental Science for Architecture |
| ELECTIVE COURSE (EC) | |
| The list of electives given below is suggestive and the Institution or University may adopt the electives as found feasible. | |
| III. PROFESSIONAL ELECTIVE (PE) | |
| 24. | Theory of Design |
| 25. | Vernacular Architecture |
| 26. | Interior Design |
| 27. | Art Appreciation |
| 28. | Art in Architecture |
| 29. | Graphic and Product Design |
| 30. | Contemporary Processes in Architecture |
| 31. | Architectural Journalism |
| 32. | Disaster Mitigation and Management |
| 33. | Green Buildings and Rating Systems |
| 34. | Sustainable Cities and Communities |
| 34A. | Building Performance and Compliance |
| 35. | Architecture of South East Asia |
| 36. | Architectural Design with Steel |
| 37. | Architectural Design with Glass |
| 38. | Furniture Design |
| 39. | Appropriate Building Technologies |
| 40. | Earthquake Resistant Architecture |
| 41. | Architectural Conservation |
| 42. | Building Systems Integration and Management |
| OPEN ELECTIVE (OE) | |
| Courses approved by the Institution or University from subjects of study other than Architecture which will add value to the course and enable the overall development of the student | |
| IV. PROFESSIONAL ABILITY ENHANCEMENT COURSES | |



| PROFESSIONAL ABILITY ENHANCEMENT COMPULSORY COURSES | |
|---|---|
| 43. | Professional Practice |
| 44. | Internship or Practical Training |
| 45. | Project Management |
| 46. | Dissertation or Seminar or Research Methodology |
| V. SKILL ENHANCEMENT COURSES | |
| 47. | Communication Skills |
| 48. | Computer Studio |
| 49. | Building Information Modeling |
| 50. | Digital Graphics and Art |
| 51. | Entrepreneurship Skills for Architects |
| 52. | Foreign Language |

Notes : The names given to the courses of study are suggestive and institutions may use different nomenclatures. The emphasis on teaching various courses may vary from institution to institution. New courses may be introduced and certain courses given less emphasis depending upon the ideology of the institution and context of the region where the institution is located.

4. The regulations and curriculum of the University or Institution shall:

- (1) Provide flexibility in the teaching or learning system
- (2) Provide for a semester exchange in other Universities or Institutions (national or international) with transfer of credits based on course equivalence, wherever feasible.
- (3) Permit student to enroll for any one online certified course with the prior approval of the University or Institution. Such courses shall be considered equivalent to one Elective course.

5. **Teaching and learning methods** -(1) The contents of the courses as listed in Table shall be taught in an application- oriented manner on a scientific and design basis. The course contents shall be taught and learned in lectures, seminars, labs or workshops, studio exercises and design projects, internships and study tours.

- (2) Lectures are held to teach basic connections and the systemisation of theoretical knowledge and the methodology of scientific work. Specific subjects are presented in a well-structured form, incorporating new research results. The results shall be evaluated through periodic assessment of sessional work or an end semester examination or both.
- (3) In Seminars the contents shall be taught in dialogue and discussion phases between the teacher and the student. The results shall be evaluated through periodic assessment of sessional work and/ or end semester examination or both
- (4) In labs or workshops the contents of the course shall be delivered through hands on work and experiments. The results shall be evaluated through periodic assessment of sessional work or end semester examination or both.
- (5) In studio exercises the teachers shall take the lead to provide tasks and offer guidance for solutions finding. The students shall work either individually or in groups. The results shall be defended through drawings; models and reports and evaluated through periodic assessment and an end semester examination or viva-voice.
- (6) In design studios or construction studios or projects the students contribute to the processing, analysis and the solving of problems of direct professional practice, attended by faculty(s) entitled to conduct the studio and examine. The results shall be defended through drawings; models and reports and evaluated through periodic assessment and finally by a jury or panel.
- (7) In Internship the students engage in work in an architectural practice/ government architecture departments and train specifically under architects registered with the Council. The results shall be periodically assessed by the architect under whom they are assigned and defend their portfolio in front of a jury or panel at the end of the internship period.



- (8) Study tours shall be part of the course and conducted every year. They help to consolidate course contents by acquainting students not only with professional practice but also the culture and context of a region.

Note: These learning and teaching methods are only suggestive and every institution can innovate and engage in a pedagogy based on the strength of the institutions.

6. While calculating credits the following guidelines shall be adopted, namely:-

- (i) 1 lecture period or hour shall have 1 credit;
- (ii) 1 lab/workshop or studio exercises or seminar periods or hours shall have 1 credit and
- (iii) 1 design studio or construction studio or project or thesis period or hour shall have 1 credit.

For Practical training total number of credits shall be specified for one semester only.

7. Course work for every Semester except the Internship or practical training semester and Architectural Design Thesis Semester shall preferably have 3 or 4 lecture based courses; 2 labs or seminars or studio exercises courses and 1 Design course.

8. A suggested structure for one semester of the B. Arch course is worked out in the Table 2.0

TABLE 2.0

| Type of course | Credits per course | Periods or hours of study per course | | No of courses | Total Credits |
|---|--|--------------------------------------|------------------------------------|---------------|---------------------|
| | | Lecture | Studio or lab or workshop/ seminar | | |
| Lecture | 3 | 3 | - | 3 / 4 | 9 / 12 |
| Lab/workshop/ studio exercises/ seminar | 3 | 1 | 4 | 2 | 6 |
| Design project | Can vary from 9 in the lower semesters to 15 in the higher semesters | - | Varies from 6 to 10 | 1 | Varies from 9 to 15 |

Notes:

- (i) All courses of study put together would engage the students for a minimum of 26 periods or hours of study a week and a maximum of 30 periods or hours a week.
- (ii) Every semester shall offer a minimum of 26 credits and a maximum of 30 credits.
- (iii) Credits for the Architectural Design Project or Thesis can vary from 15 to 18.
- (iv) The total number of credits for the B. Arch Degree Course could vary from a minimum of 260 credits to a maximum of 300 credits.
- (v) This structure is suggestive and offers flexibility for the institutions to adopt as feasible.

I. Brief description of the courses listed as Professional Core (PC)

1. BASIC DESIGN AND VISUAL ARTS

The understanding the elements and principles of design as the building blocks of creative design will be facilitated through exercises that will develop originality, expression, skill and creative thinking. The grammar of design and visual composition will be explored through two dimensional compositions and three dimensional models using various media for representation. The objective is to enable the understanding of the relationship between the grammar of design and architecture.

2. ARCHITECTURAL DESIGN

This studio based course synthesises the knowledge gained from other courses and is central to the learning and practice of architecture. This course will engage in using conventional methods and linear processes of design to more exploratory nonlinear methods. The scale and complexity will increase progressively from lower semesters to senior semesters. The range should begin with small single activity or single space projects to large urban design projects.

3. ARCHITECTURAL DESIGN PROJECT OR THESIS

This is culmination of undergraduate studies and hence shall display the capability of the candidate to conceive/ formulate a design project and provide solution, aptly demonstrated through supporting research. The main areas of



study and research can include advanced architectural design, including contemporary design processes, urban design including urban-infill, environmental design, conservation and heritage precincts, housing etc. However, the specific thrust should be architectural design of built environment. Preparation of presentation drawings, working drawings, detailed drawings and study model are part of the requirements for submission. Submission of the Architectural Design Thesis Project shall be in the form of drawings, project report, models, slides, CDs and reports.

4. ARCHITECTURAL GRAPHICS AND DRAWING

Various mediums and techniques of art for artistic expression; free hand drawing; orthogonal projection of geometrical forms and representation; architectural and building representation through 2 dimensional and three dimensional drawings; measured drawing of building elements and simple building forms; presentation in graphic form all elements of building design; study of shades and shadows, textures, tones, colors etc.; rendering using manual mode as well as digital; hands on working with various mediums and materials.

5. HISTORY OF ARCHITECTURE AND CULTURE

Architecture as evolving within specific cultural contexts including aspects of politics, society, religion, climate; geography and geology, etc. through history both in the Western context as well as in the Indian sub-continent; Development of architectural form with reference to Technology, Style and Character- Examples from every historical style illustrating the same.

(This course may be delivered in 4- 5 semesters of the course with specific syllabus for each semester advancing in content progressively through the semesters)

6. PRINCIPLES/THEORY OF ARCHITECTURE

Principles and percepts of issues as related to architectural design in theory and practice; Appreciation of architecture with respect to man and his behavior; Nature and Design; Principles of organization on Nature; Ideas and Intent in design - Intuitive, contextual, Iconic, Experiential, Environmental, Energy based, Symbolic, Modular; Ideologies or philosophies from the practice of architecture through contemporary history; design communication through graphics.

7. URBAN DESIGN

Urban design as a discipline; Components of a city and their interdependent roles; Determinants of urban form; Evolution of historic urban form.; Theories and illustrations of Urban design and the interpretation of the urban form in different ways and layers; Identity and 'place' making; architectural codes and imageability; contemporary urban issues; sustainable urban design; case studies.

8. HUMAN SETTLEMENTS PLANNING

Elements and characteristics of human settlements; origins; determinants and their evolution through the course of history; Settlements as expression of political aspirations; Various planning concepts in urban, rural and regional level development plans in the context of India; Changing scenario in the context of Globalisation.

9. HOUSING

Social Housing post WW II ; Issues concerning housing in the Indian Context; Various agencies involved in the production of housing; Factors that influence housing affordability; Various schemes and policies of the government in the housing sector; Standards and guidelines for housing; Housing design typologies and the processes involved in housing project development; Case studies and post occupancy evaluation.

10. LANDSCAPE DESIGN

Man and Nature; Landscape traditions; Elements and principles of landscape design; Aspects of outdoor design and site planning in enhancing and improving the quality of building environs, functionally and aesthetically; Site structure relationship; Analytic, artistic and technical aspects of designing open spaces at different scales; Role of Landscape design in sustainability; Overview of ecological balance; Impacts of human activities and the need for environmental protection and landscape conservation.

11. SITE PLANNING

Site and its content in architectural creations; Influencing factors which governs the siting of a building or group of buildings in a given site; Topography analysis; Scientific techniques of site analysis- case studies; Methodology of preparing a site analysis diagram and mapping; Codes and building regulations; Site utilities and Infrastructure planning. Integration of Renewable Energy systems as per ECBC.

12. CARPENTRY AND MODEL MAKING WORKSHOP

Introduction to various carpentry tools and production of simple joints used in joinery; techniques for preparation of block models using various materials; detailed model of a small project using appropriate materials; exploration with plastic material such as clay, plaster of Paris, etc.



13. SPECIFICATIONS, COST ESTIMATION AND BUDGETING

Specifications of various building works as per National Building Code (NBC) and Energy Conservation Building Code (ECBC); Writing specifications for materials and various items of work; Systems of taking out quantities and estimating for all trades involved in construction of medium complexity; preparation of Bill of Quantities (BOQ); Cost estimating for building works (material and labor); valuation report preparation; Budgeting for specific projects.

II. Brief description of the courses listed as Building Sciences and Applied Engineering (BS and AE)**14. BUILDING MATERIALS**

Properties and behavior of both natural and man-made building materials such as bricks, stones, metals, timber, glass, steel and finishing materials in contemporary buildings; Application of these materials in construction; Effects of sun, rain, wind and other climatic and environmental conditions on various building materials and built environment and the science of design for creating effective human comfort conditions within the built environment. Understanding of parameters like U-factor, R-value, Thermal mass, Solar heat gain coefficient (SHGC), Visible light transmittance (VLT), etc.

(This course may be delivered in 3- 4 semesters of the course with specific syllabus for each semester advancing in content progressively through the semesters)

15. BUILDING CONSTRUCTION

Traditional and conventional knowledge systems that enable construction of a complete building; various structural systems and methods of construction and detailing of buildings of medium complexity using natural and manmade materials including foundation, walls, roofs, staircase, joinery and finishes; Technology that informs the construction of contemporary buildings using various structural systems and materials. Evaluation of overall assembly U-factor of different building and construction system for various climatic zones as per Energy Conservation Building Code(ECBC). The course will combine lecture and studio exercises whose results will be in the form drawings and models, culminating in a studio which will translate an architectural design into working drawings which are good for construction either in manual/ digital mode.

(This course may be delivered in 6-7 semesters of the course with specific syllabus for each semester advancing in content progressively through the semesters)

16. APPLIED MECHANICS

Forces and structural systems; analysis of plane trusses; Properties of Sections; Elastic properties of solids; elastic constants; bending of beams; deflection of beams; theory of columns; Statically indeterminate beams; concepts in analysis of structure

17. STRUCTURAL DESIGN AND SYSTEMS

Understanding the structural concepts and behavior of structural elements- load bearing structures, framed structures, composite systems, steel structures- - simple calculations for columns, beams, frames, footings, slabs, walls etc. using various systems and relating the knowledge acquired to architectural design.

18. CLIMATOLOGY

Climatology as a science for the study of weather conditions averaged over a period of time; the elements of climate; study of human comfort; design of solar shading devices; Heat flow through building envelopes; Air movement due to natural and built form; Design strategies in different climate zones; vernacular and contemporary responses to climate through case studies; analysis using appropriate software; assessment of appropriateness of various Renewable Energy Systems based on climatic conditions.

19. BUILDING SERVICES

Study of and design and detailing for water supply, drainage, sewage disposal, garbage disposal, electrification, illumination, air conditioning, fire hazard protection, acoustical treatment, rainwater harvesting, etc. in buildings and building premises, disaster management systems, intelligent energy conservation systems, electronic security and surveillance systems for buildings, etc.; compliance requirements w.r.t. National Building Code and Energy Conservation Building Code. (This course may be delivered over 3 or 4 semesters with specific syllabus for each semester)

20. SURVEYING AND LEVELING

Principles of surveying and leveling, use of various survey and leveling instruments, carrying out surveys of land of medium complexity (field work); preparation of survey plans.

21. ACOUSTICS

Science of sound; conditions for good hearing; appropriate materials for sound insulation; approaches in history for acoustic planning; planning for good hearing conditions in auditoriums, classrooms, churches and halls, conference rooms, etc.; analysis using software and simple design exercises; application of codes, case studies



22. ENVIRONMENTAL LAB

Lab based course which will involve measurements; documentation and recording; analysis and design using hand held and digital tools and through simulation using appropriate software focusing on areas such as thermal performance of built environment, natural and artificial lighting and ventilation and wind movement; evaluate performance of Renewable Energy Systems, Fenestration, Opaque Construction, etc. as per test standards specified in National Building Code (NBC) and Energy Conservation Building Code (ECBC).

23. ENVIRONMENTAL SCIENCE FOR ARCHITECTURE

Natural systems; Complex relationships between the built and natural environments; Impact of pollution on natural and man-made environments; Strategies to transform the built environment to meet the risks of climate change; Bio-mimicry - the study of natural structures and processes- in helping to solve man-made problems and enabling design; Concepts of urban ecology and landscape urbanism; case studies; integration of Renewable Energy Systems in built environment.

III. Brief description of the courses listed as Professional Electives (PE)**24. THEORY OF DESIGN**

Understanding design and design in history; Role of the designer in changing society; classification of design; Methodologies, theories and models of the design process; Creativity and techniques to enable creative thinking; creativity in architecture; pattern language and participatory approach to design.

25. VERNACULAR ARCHITECTURE

Vernacular architecture as a process and not a product; Determinants of vernacular form; Overview of the various approaches and concepts to the study of vernacular architecture; Various vernacular architectural forms in the various regions of India; Impact of Colonial rule on the vernacular architecture and settlements in India.

26. INTERIOR DESIGN

Vocabulary of interior design; Overview of interior and furniture design and design movements through history; various components of interior space and treatment and finishes; Interior lighting, Interior landscape and furniture. Design based studio exercises on ergonomics, materials and working parameters.

27. ART APPRECIATION

Vocabulary and principles of art; Perception and representation; categories of art in terms of media and technique; Appreciating art through the study of art production in the West from the beginnings to the birth of modern art; Context for new directions in art in the late 19th and early 20th century; Art production in India over history; Contemporary Art from India and its appreciation.

28. ART IN ARCHITECTURE

Role of art in history of world architecture; Symbiotic relationship of folk art and architecture; application of different art forms in architecture; Visual communication in architecture and way finding; Works of different artists and architects that reflect the inter relationship.

29. GRAPHIC AND PRODUCT DESIGN

Graphic design elements, principles and applications; Concept of form and space in product design; Relating Form to Materials and Processes of Manufacture. Use of Computers for Form generation; Creativity techniques; product detailing and manufacture; exploratory mockup models for concept development, refinement and detailing; product design prototyping and advanced manufacturing processes.

30. CONTEMPORARY PROCESSES IN ARCHITECTURE

Theories of media and its influence on the perception of space – Virtual Reality – Augmented Reality. An understanding of the various aspects of Digital Architecture and its exploration through emerging phenomena that relies on abstraction of ideas is facilitated. This is done through study the works of contemporary architects who have illustrated the influence of the digital media in evolving architecture.

31. ARCHITECTURAL JOURNALISM

Introduction to basic skills relevant to the practice of professional journalism; Fundamentals of writing, Technologies and journals; Contemporary architectural journalism; Code of Ethics and Press Laws; Regional, National and International discussion forums; Public Discourse on the Internet, Mass Media and Public Opinion; Critique on selected pieces of journalism; Introduction to Photojournalism; contributions of photography to the professional practice of architecture; modern photography techniques.



32. DISASTER MITIGATION AND MANAGEMENT

Disasters, their significance and types; Relationship between vulnerability, disasters, disaster prevention and risk reduction is understood. Inter- relationship between disasters and development; Disaster Risk Reduction (DRR); Disaster Risk Management in India; Disaster Management Act and Policy; Role of GIS and Information Technology Components in Preparedness, Risk Assessment, Response and Recovery Phases of Disaster; Disaster Damage Assessment; applications and case studies.

33. GREEN BUILDINGS AND RATING SYSTEMS

Passive design considerations; active systems; design for energy efficient building- day lighting and natural ventilation; technologies for alternative sources of energy; Net Zero buildings; software tools for the design of a building and the performance evaluation of a building with respect to energy; Rating systems: IGBC, LEED, GRIHA.

34. SUSTAINABLE CITIES AND COMMUNITIES

Introduction to Green concepts; Depleting resources and climate change; Sustainable site selection and development sustainable building materials and technologies; Low impact construction – Bio mimicry, Dimensions of sustainable, sustainable community; case studies of eco- cities/ communities.

34A. BUILDING PERFORMANCE AND COMPLIANCE

Building performance assessment and energy simulation tools, understanding of National Building Code (NBC) and Energy Conservation Building Code (ECBC) of India to provide minimum requirements for energy efficient design and construction of buildings; various compliance approaches; Building Envelope; Comfort Systems; Lighting systems; Electrical and renewable energy systems.

35. ARCHITECTURE OF SOUTH EAST ASIA

Architecture as evolving within specific cultural contexts including aspects of politics, society, religion, climate; geography and geology, etc. through history in the context of South East Asia (Indonesia, Malaysia, Thailand and Cambodia, Sri Lanka); Development of architectural form with reference to Technology, Style and Character illustrated with examples from each country.

36. ARCHITECTURAL DESIGN WITH STEEL

To understand the design potential of steel as a material in construction and the inherent structural benefits of the material. To inform the various components of steel as structural and aesthetic design element through various case studies. To familiarise the best practices of steel as a construction material.

37. ARCHITECTURAL DESIGN WITH GLASS

This is an Industry based course to provide the students with the latest & recent trends in the use of glass in architecture. The right selection and usage of glass for appropriate purposes is vital in the design of buildings. Therefore, modern concepts on Glass Architecture, Role of Glass in Green design and concepts on considerations for improving the building performance using glass are included.

38. FURNITURE DESIGN

Principles and history of furniture design; modern movements and the creation of ergonomic and functional furniture; modular concepts in furniture design, mass production and fabrication; codes and specifications; eco- design.

39. APPROPRIATE BUILDING TECHNOLOGIES

Appropriate technologies and cost-effective technologies; technologies as evolved from contexts through the practice of International architects and Indian architects; Systems and techniques developed in research labs, etc.

40. EARTHQUAKE RESISTANT ARCHITECTURE

Fundamentals of Earthquake and the basic terminology; Historical experience; Site Planning and Performance of Ground and Buildings; Seismic codes and building configuration; Seismic design and detailing of non-engineered construction; Seismic design and detailing of Reinforced Concrete and steel buildings; Design of non-structural elements; architectural design for Seismic resistance.

41. ARCHITECTURAL CONSERVATION

Various issues and practices of Conservation; values and ethics; status of conservation in India and the various agencies involved in the field of conservation worldwide and their policies; various guidelines for the preservation, conservation and restoration of buildings; management of historic sites; study of various charters; character and issues in our heritage towns through case studies; Role of INTACH, UNESCO, ICOMOS and other such Organisation.



42. BUILDING SYSTEMS INTEGRATION AND MANAGEMENT

System and Sub-systems in buildings, relationship and analysis of sub-systems; Building systems for different building typologies, Optimization and sub-system; Control systems for various buildings services, Types of controllers. Preparation of necessary drawings for installing control systems, Integrated building management system, remote monitoring and management, Home automation, Developments in service control systems.

IV. Brief description of the courses listed as Professional Ability Enhancement Compulsory Course (PAECC)**43. PROFESSIONAL PRACTICE**

The architectural profession and the role of professional bodies and statutory bodies; Code of Conduct and ethics in professional practice and the mandatory provisions of the Architects Act 1972; Building bye-laws, Important legislations which have a bearing on the practice of architecture; Arbitration and other legal aspects; Project Management- tender and contract; Implications of globalisation on professional practice with particular reference to World Trade Organisation and General Agreement on Trade in Services.

44. INTERNSHIP OR PRACTICAL TRAINING

Orientation under an architect that would include the process of development of conceptual ideas, presentation skills, involvement in office discussions, client meetings, development of the concepts into working drawings, tendering procedure, site supervision during execution and coordination with the agencies involved in the construction process and to facilitate the understanding of the evolution of an architectural project from design to execution.

45. PROJECT MANAGEMENT

Project management concepts—objectives & scope, planning / monitoring and control, scheduling / Quality and cost; Traditional management system; Development of bar chart; Critical Path Method networks- Merits and Demerits; Program Evaluation Review Technique network, theory of probability and statistics; Cost model and cost optimization; resource allocation—resource smoothing, resource leveling; Project Feasibility study, Real estate and regulatory strategies, Facility Programming & Planning, Design management, Engineering Procurement Construction, Testing and commissioning.

46. DISSERTATION / SEMINAR / RESEARCH METHODOLOGY

This is research writing in a thrust area in architecture. Methods of analysis should have a scientific basis and thorough investigative research is required from primary and secondary sources— through library research and literature review; documentation, etc. This can be a prelude to the 'Architectural Design Thesis'.

V. Brief description of the courses listed as Skills Enhancement Courses (SEC)**47. COMMUNICATION SKILLS**

Communication skills in English through listening, speaking, reading and writing; Listening skills through talks for specific information; Speaking skills with specific reference to prospective/ actual clients, suppliers, business partners and colleagues; Reading particularly, rules and regulations, catalogues, architecture journals and textbooks; writing skills especially writing emails, resumes; statement of purpose, proposals and reports.

48. COMPUTER STUDIO

Computer operation principles and image editing through a graphical Composition; Computer aided 2D drafting and 3D Modeling through simple exercises; Rendering of a building to create a photo realistic image.

49. BUILDING INFORMATION MODELING

Lab based course to build comprehensive Building Information Models (BIM) using appropriate Digital software and Media; BIM for building energy simulation; BIM for cost estimating, project phasing and administration.

50. DIGITAL GRAPHICS AND ART

Lab based course involving video, image and vector editing using editing software; scripting; synchronization of sound with patterns generated; Presentation using voice over and production of CD ROMs.

51. ENTREPRENEURSHIP SKILLS FOR ARCHITECTS

Introduction to entrepreneurship; leadership skills and self-motivation; marketing and finance management; starting a small business; future-oriented design principles to increase the design organization's innovative and competitive qualities; Sustainability; Risk-taking; Job procurement; Employee management; marketing; Social entrepreneurship and its relevance to the practice of architecture.



52. FOREIGN LANGUAGE

Course on any foreign language.

GUIDELINES FOR CONDUCT OF**PRACTICAL TRAINING AND ARCHITECTURAL DESIGN THESIS**

1. **PRACTICAL TRAINING** –(1) Practical Training shall be undergone during 8th/ 9th semester of the Architecture Degree course for a period of six months or one semester in the office of an architect or an organization operating in an allied field of practice or research, duly approved by the institution, under mentorship of an architect having experience of at least 5 years.
 - (2) The practical training shall be supervised and evaluated through periodic assessment by the mentoring architect and end semester examination (viva voice) as part of curricular studies.
 - (3) Training in Foreign Country shall be done under the Registered Architect of that Country and to be approved and monitored by the Head of the University or Institution.
2. **ARCHITECTURAL DESIGN THESIS** – (1) The Architectural Design Thesis shall be prepared under the guidance of a core Faculty member.
 - (2) The University or Institution shall conduct the internal evaluation at stages for the Architectural Design Thesis with the guide as a co-assessor.
 - (3) A jury comprising of an internal and external examiner and the guide shall conduct the final examination (Viva-voice) of the Architectural Design Thesis. External Examiners shall have minimum 10 years' experience.
 - (4) Practical Training shall be completed before the commencement of Architectural Design Thesis.

APPENDIX-B**STAFF REQUIREMENT**

(Strength of full time-faculty based on sanctioned intake)

A. FULL TIME TEACHING STAFF:

| Year | I | | | | II | | | | III | | | | IV | | | | V | | | | Total |
|------|---|---|-----|----|----|---|-----|----|-----|---|-----|----|----|---|-----|----|---|---|-----|----|-------|
| | H | P | APr | AP | H | P | APr | AP | H | P | APr | AP | H | P | APr | AP | H | P | APr | AP | |
| 40 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 4 | 1 | 0 | 2 | 6 | 1 | 0 | 3 | 8 | 1 | 1 | 3 | 10 | 15 |
| 80 | 1 | 0 | 1 | 4 | 1 | 0 | 3 | 8 | 1 | 1 | 4 | 12 | 1 | 2 | 5 | 15 | 1 | 2 | 6 | 20 | 29 |
| 120 | 1 | 0 | 2 | 6 | 1 | 1 | 4 | 11 | 1 | 2 | 6 | 17 | 1 | 3 | 8 | 22 | 1 | 4 | 10 | 28 | 43 |

H- Head of Institution; P- Professor; A Pr- Associate Professor; AP- Assistant Professor

Notes:

1. Only candidates registered with Council under the provisions of the Architects Act, 1972 shall be eligible for the core faculty posts subject to minimum qualifications, pay and experience as prescribed in Appendix B.
2. In addition to above, approximately 25 per cent. of the teaching load should be allotted to the Visiting faculty drawn from profession.
3. Full time faculty may be recruited in the allied areas from the field of Engineering, Fine Arts, Humanities, etc. provided that there is a minimum of 12 core full time faculty along with Head for an intake of 40. The faculty from allied areas shall not exceed more than 3 for an intake of 40, 6 for an intake of 80 and 9 for an intake of 120. Further, they should be appointed only at the posts of Associate Professor and Assistant Professor in the cadre ratio of 1:2. The minimum qualifications and experience required for appointment of these faculty shall be as per All India Council for Technical Education (AICTE) or University Grants Commission (UGC) Norms, as the case may be. However, the concerned faculty should have the minimum qualification in the respective field(s) at Bachelor's and/or Master's level with at least 60 per cent. marks at either level.
4. To maintain teacher and student ratio of 1:10, the institution shall have requisite number of visiting faculty teaching equivalents in addition to Full time teaching staff.



Prof. Chakor A. Mehta
Principal
VIVA School of Architecture

5. One Professor Design Chair for every intake of 40 students can be appointed and shall be counted against Professor Cadre.
6. Professor Design Chair and other faculty members appointed on tenure basis cannot be considered as Head of the Institution or Principal or Dean or Head of Department.
7. Upto 50 per cent. of the faculty members other than Professors (excluding Professor Design Chair) can be on tenure basis.

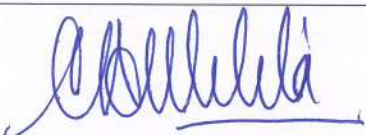
B. NON -TEACHING STAFF

| S. No. | Position | Intake | | | | | | | | | Remarks |
|--------|---------------------------|-------------|----|-----|----|----|-----|-----|----|-----|--------------------------------------|
| | Intake | 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- Qualifications As per UGC |
| 3 | Lab / Workshop Technician | - | 1 | 2 | - | 1 | 2 | 1 | 2 | 2 | Minimum one for computer centre |
| 4 | Administrative personnel | 1 | 2 | 2 | 2 | 3 | 4 | 3 | 3 | 4 | |
| | Accounts personnel | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 3 | 4 | |
| 5 | Class IV employees | As required | | | | | | | | | |

**C. MINIMUM QUALIFICATIONS, PAY, EXPERIENCE AND STRUCTURE OF
CORE FACULTY IN DEGREE LEVEL ARCHITECTURAL INSTITUTIONS**

| Sl. No. | Designation of Teaching Faculty | Pay Level in Paymatrix | Qualifications and Experience |
|---------|---------------------------------|--|---|
| 1. | Assistant Professor | Level 10 Rs.57700-Rs.182400 in Paymatrix | Bachelor's Degree in Architecture or equivalent to B. Arch. with minimum 60 per cent. marks and three years of relevant professional experience. OR Bachelor's Degree in Architecture or equivalent to B. Arch. and Master's Degree in Architecture or in allied subjects of Architecture with minimum 60 per cent. marks at either level and one year of relevant professional experience. |
| 2. | Associate Professor | Level 13A Rs.131400-Rs.217100 in Paymatrix | Bachelor's Degree in Architecture or equivalent to B. Arch. and Master's Degree in Architecture or in allied subjects of Architecture with minimum 60 per cent. marks at either level, and Eight years experience in teaching/ research/ professional work out of which a full-time teaching experience of minimum three years Or Thirteen years of professional experience. |
| 3. | Professor | Level 14 Rs.144200 -Rs. 218200 in Pay matrix | Bachelor's Degree in Architecture or equivalent to B. Arch and Master's Degree in Architecture or in allied subjects of Architecture with minimum 60 per cent. marks at either level, and |




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| | | | |
|----|---|--|---|
| | | | Fourteen years experience in teaching/ research/ professional work out of which a full-time teaching experience of minimum five years Or Nineteen years of professional experience. Desirable: Ph.D. in Architecture. |
| 4. | Principal/ Director/HOD | Level 14 Rs.144200 -Rs.218200 in Paymatrix | Bachelor's Degree in Architecture or equivalent to B. Arch and Master's Degree in Architecture or in allied subjects of Architecture with minimum 60 per cent. marks at either level, and Seventeen years' experience in teaching/ research/ professional work out of which a full-time teaching experience of minimum eight years Or Twenty years of professional experience. Desirable: Ph.D. in Architecture. Experience in Administration at a responsible position. |
| 5. | Professor (Design Chair) Institution may appoint one Professor (Design Chair) per intake of 40 students, strictly on tenure basis | | Bachelor's Degree in Architecture or equivalent to B.Arch. and twenty five years professional experience of commendable, acknowledged and published professional work. |

1. Note :

1. It is advisable that approximately 25 per cent. of the teaching load should be allotted to the visiting faculty so that the students are brought in closer contact with the persons actively engaged in practice.
2. Each University or Institution may have a staff structure (faculty) consisting of the following, namely:-
Principal/ Director and Professors, Associate Professor and Assistant Professors in the ratio of **1:2:6**.
3. The University or Institutions may recruit faculty in the field of Engineering, Qty. Surveying, Art/ Humanities depending on the actual requirements against the total sanctioned strength. However, the faculty should have the minimum qualification in the respective field at Bachelor and/ or Master's level with at least 60 per cent. marks at either level.
4. The equivalent qualification shall mean any such qualification as recognised by the Council for registration as an Architect under section 25 of the Architects Act, 1972.
5. The University or Institution may appoint Professor (Design chair) on tenure basis.

Explanations – (1) Experience shall mean professional experience and/or Teaching and/or Research in the field of Architecture, counted from the date of registration with Council for core faculty or valid equivalent certification from concerned authorities. Professional experience shall be substantiated by Experience certificates from employers, Work orders, Completion certificates and Sample Drawings of the projects undertaken, as the case may be.

- (2) Full time faculty means a registered architect, who has put up full time service as a faculty member with the University or institutions approved by Council, either on regular (Permanent) or tenure basis (full time).
- (3) The Post Graduate degree or diploma courses in various areas of specialisation in Architecture or its allied fields, with minimum duration of Two year/Four Semester (Full-Time) or Three years/ Six Semester (Part-Time), awarded by Indian Universities or competent authorities recognized by Central Government and granted equivalence by any competent authority of the Central Government to M. Arch. degree awarded by Indian Universities, shall be valid for the purposes of appointment in the University or Institutions imparting Architectural education.

All Architects possessing Post Graduate Degree or Diploma awarded by Authorities outside India shall be required to produce certificate of equivalence to that of Master's Degree in Architecture or Allied fields granted by competent authority of the Central Government, in order to be considered for appointment as faculty.



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- (4) Undergraduate qualifications acquired through self-study or non-formal mode though acceptable for purpose of Registration shall not be considered as equivalent Qualification for recruitment as faculty. The candidate must have acquired the recognized qualification through formal mode at undergraduate or Post-Graduate level.
- (5) Ph.D. shall be Doctorate conferred by recognised Indian Universities or Institution(s) on any topic related to various subjects related to Architecture or its allied fields. Ph.D. awarded by universities or Institution(s) outside India shall be considered equivalent only after such certification from Association of Indian Universities and/or any other competent authority of the Central or State Government.
- (6) Published Professional Work shall mean publication of Professional Work by candidate in any journal(s) or reputed magazine(s) related to design or architecture or its allied fields.

2. Other Notes:

- (1) Only candidates registered with Council under the provisions of the Architects Act, 1972 shall be eligible for the posts of core faculty.
- (2) All the qualifications appearing in the schedule of qualifications under section 14 or notified under 15 of the Architects Act 1972 shall be considered at par with Bachelor's Degree in Architecture for the purpose of recruitment as faculty member.
- (3) (i) Each University or Institution shall have minimum staff of 20 faculty members for an intake of 40, including the Principal / Head of Department. The staff structure prescribed by the Council for an intake of 40 shall be 15 full time faculty with minimum 12 core faculty including the Principal or Head, 3 faculty from allied areas and 5 visiting faculty teaching equivalents. The cadre ratio for full time faculty shall be Principal (Professor Cadre) – 1, Professors- 1, Associate Professors- 3 and Assistant Professors – 10.
(ii) Each University or institution may have one position of full time Professor (Design Chair) for every intake of 40 and may be counted against the Professor Cadre provided one Full-time Professor is already appointed.
(iii) For intake more than 40, proportionate increase in the above posts shall be made as outlined in Appendix- B
(iv) The full- time faculty in allied areas shall be governed by norms prescribed by the All India Council for Technical Education (AICTE)/ University Grants Commission (UGC) or as prescribed under the relevant Central Acts, respectively for employment and up gradation
(v) Of these full- time faculty members, minimum 50 per cent. must be on permanent posts or regular appointments and rest may be on tenure/ contract basis (full time). However, Principal or Head of Institution shall be a regular (permanent) Employee.
(vi) 12 hours or periods of contact within the working week is considered as one teaching equivalent for visiting faculty.
- (4) If a grade point system is adopted the CGPA will be converted into equivalent marks as given in the table E-6 of the notification no. 1-65/NEC/98-99, March 15, 2000 (Degree level – Government institutions) and May 3, 2000 (Degree level – Self-financing institutions)

| Grade point | Percentage of Marks |
|-------------|---------------------|
| 6.25 | 55 |
| 6.75 | 60 |
| 7.25 | 65 |
| 7.75 | 70 |
| 8.25 | 75 |

Note:- For converting the marks into CGPA, following formula may be followed:

(Percentage of Marks / 10) + 0.75

- (5) All full time, regular faculty members must be paid the remuneration/ salary prescribed by University Grants Commission or such other Government body, in force at the time of appointment and duly revised from time to time.



- (6) To recognise the services rendered by senior faculty members who do not fit into above requirements and are already in full-time employment at the same Institution for 15 years, the requirement of qualifications may be relaxed only once in the career for promotion to higher post.
- (7) All faculty members must be encouraged to actively pursue practice or research without neglecting their duties towards Institution or students and with due permission from the University or Institution.
- (8) Service conditions of affiliating university and respective government for faculty members shall be applicable to all full-time permanent faculty members.
- (9) The Retirement Age including Superannuation for Teaching posts of Assistant Professor, Associate Professors and Professors, including Professor (Design Chair) shall be 65 years or as stipulated by the Central Government or State Government from time to time. Re-employment after superannuation shall be permissible against sanctioned vacancies and the faculty may continue to serve, at the discretion of the concerned University or Institution, until the age of 70 but shall not hold an administrative position.
- (10) All faculty members shall be required to undergo three months' faculty training course conducted by Council before completion of their probation period. The training period shall be treated as part of service of the concerned faculty in the concerned University or Institution.

APPENDIX-C

INFRASTRUCTURE REQUIREMENTS

A: SPACE

| S. 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 | 12 | 4/5 | 9 | 13 | 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. Studios for Stage 2 of the course are to make provision for use of laptops with internet connectivity. |
| 2. | Lecture rooms- 60 sq. m each | 1 | 2 | 3 | 1 | 2 | 3 | 2 | 4 | 6 | 2 | 4 | 6 | 2 | 4 | 6 | If studios incorporate lecture spaces within them, then the area of studio spaces shall be calculated at 4 sq m per student. To be provided with OHP and digital projection facilities and sound amplifier system. |
| 3. | Labs and Workshops - 40 sq.m each | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 3 | 4 | 4 | Climatology/Environmental lab, Surveying lab, Model making and carpentry workshop, Material Museum etc. |
| 4. | Computer Centre - 60 sq. m | - | - | - | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 5. | Library | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | Library shall have 0.6 Sq. m. per student upto total student strength of 200 and 0.3 Sq. m for every additional student beyond student strength of 200. Library shall be provided with reprography and scanning facilities. |
| 6. | Principal/Director/HOD's Office - 30 sq.m | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 7. | Administrative Office - 30 sq. m 60 sq.m | 1 - | - 1 | - 1 | 1 - | - 1 | - 1 | 1 - | - 1 | - 1 | 1 - | - 1 | - 1 | 1 - | - 1 | - 1 | |



| | | | | | | | | | | | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| 8. | Staff Rooms / Cabins - Professor- 12 sq. m each Associate Professor- 8 sq. m each Assistant Professor- 6 sq. m each | | | | | | | | | | | | | | | | | As per the faculty norms in the yearly progressive manner |
| 9. | Staff Lounge 30 sq. m/ 60 sq.m | | | | | | | | | | | | | | | | | |
| 10. | Construction Yard - 200 sq. m | | | | | | | | | | | | | | | | | Open space activity from second year onwards |
| 11. | Students Common/Rest Rooms | | | | | | | | | | | | | | | | | Adequate as per Building Regulations |

Note: Depending on local conditions, the areas mentioned above may vary by up to 10 per cent.

Other Desirable Activity Spaces:

1. Canteen
2. Stationary Shop
3. Reprography Section and Digital printing
4. Open air theatre with stage
5. Permanent Exhibition space
6. Provision for outdoor sports facility
7. Girls Common Room.
8. Resource Center.
9. Submission and Exam Room.

Desirable Labs:

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

Recommended Workshops

1. Model making and carpentry *
2. Fabrication workshop

*Note: Labs or workshops with * are mandatory.*

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 120 books on subjects of Architecture (including minimum 40 titles) for every year per intake of 40.
4. Library of old schools, having more than 5000 Titles; should acquire minimum 10 titles on subjects of Architecture per intake of 40 every year.
5. Journals and Periodicals of architectural relevance as below –



| Intake/ Year | I | | II | | III | | IV | | V | |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | (INT) | (NAT) | (INT) | (NAT) | (INT) | (NAT) | (INT) | (NAT) | (INT) | (NAT) |
| 40 | 1 | 4 | 1 | 4 | 2 | 6 | 2 | 8 | 2 | 8 |
| 80 and above | 1 | 4 | 2 | 5 | 2 | 8 | 4 | 10 | 4 | 10 |

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.

Note: INT- International NAT- National

C: COMPUTER CENTER

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

1. Requisite licensed software and peripherals such as printers, plotters, scanners, etc. shall be available at the computer center.
2. Upgrading of systems (hardware and software) shall be done every three years.
3. Computers more than three years old shall not be counted as part of lab.
4. Broadband internet connectivity of appropriate bandwidth shall be available to all computers.

Desirable:

1. All faculty and staff shall be provided with individual/ personal computers in addition to above outlined computer center requirements.
2. Wifi connectivity throughout the campus freely accessible to faculty and students.

LAND REQUIREMENTS: 1. The University or Institution shall possess a Minimum 8000 Square meter or Independent or undivided and contiguous share of land adequate enough to provide for built floor space of 2,000 Square meter for intake of 40 candidates, 3,000 Square meter for intake of 80 candidates and 4,000 Square meter for intake of 120 candidates in Architecture degree course. The built space should be contiguous.

2. Further, the University or Institution should also have sufficient space for sports, co-curricular activities and hostel, canteen and other facilities.
3. The land where the building of the University or Institution is located or built must be institutional land and must be owned by the trust or society or company.
4. The relaxation in the above may be made by the Council on the case to case basis for University or Institution located in hilly areas

APPENDIX-D

1. ADMISSIONS- (1) The candidates admitted to 1st year of the five year Architecture degree course without fulfilling the admission eligibility prescribed by the Council shall not be deemed to have attained recognized qualification listed in the schedule of qualifications appended to the Act. Such candidates shall not be eligible for registration as an architect with the Council.

(2) Admission shall not be made under any quota whatsoever, including the Central Government Nominee or Minority Institution or Management or Non-Resident Indian or Persons of Indian Origin or Foreign National or any another Quota, unless a candidate has passed an Aptitude Test in Architecture conducted by Council.

2. COMPETENT AUTHORITY FOR ADMISSION – (1) University, or Institution, shall conduct the admission to the Architecture degree course through a merit-based process in a transparent, fair and non-exploitative manner.

(2) The University or Institution shall submit a list of students admitted to the Architecture Degree course every year to the Council in the prescribed format, containing the score in the Aptitude Test in Architecture, and the marks secured in the qualifying examination, and in Physics, Chemistry and Mathematics subjects.



3. ADMISSION COUNSELING - Counseling for admission to the Architecture Degree course should be held independently and not combined with the counseling for Engineering, Pharmacy, Medicine or any other discipline.

4. FEE STRUCTURE, PERCENTAGE AND RESERVATION OF SEATS -The fee structure and admission of students to Architecture degree course under various categories or admission quota shall be as determined by the Council.

5. COMMENCEMENT OF COURSE - Classes for 1st year or Semester of a 5-year Architecture degree course shall not commence later than the 1st working day in the month of September of a calendar year and all admissions must be completed before the said date.





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President

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Secretary

Prof. Chakor A. Mehta
Principal

CRITERIA 2: TEACHING – LEARNING AND EVALUATION

KEY INDICATOR:

2.4. TEACHER PROFILE AND QUALITY

2.4.1 Percentage of full-time teachers against sanctioned posts during the last five years

2.4.1.1. Number of sanctioned posts year wise during the last five years.

| Year | 2022-23 | 2021-22 | 2020-21 | 2019-20 | 2018-19 |
|--------|---------|---------|---------|---------|---------|
| Number | 29 | 26 | 23 | 20 | 17 |

As per **Minimum Standard of Architectural Education, 2020** by Council of Architecture,
(Appendix B- Staff Requirement: Strength of full-time faculty based on sanctioned intake)

| | 2022-23 | 2021-22 | 2020-21 | 2019-20 | 2018-19 |
|---------------------|--------------------------------------|--|--|---|---|
| Designation | 80 intake up to 5 th year | 80 intake up to 4 th yr., 40 intake for 5 th yr. | 80 intake up to 3 rd yr., 40 intake for 4 th & 5 th yr. | 80 intake up to 2 nd yr., 40 intake for 3 rd to 5 th yr. | 80 intake for 1 st yr., 40 intake for 2 nd to 5 th yr. |
| Principal(H) | 1 | 1 | 1 | 1 | 1 |
| Professor | 2 | 1 | 1 | 1 | 1 |
| Associate Professor | 6 | 6 | 5 | 4 | 4 |
| Assistant Professor | 20 | 18 | 16 | 14 | 11 |
| | 29 | 26 | 23 | 20 | 17 |



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52. FOREIGN LANGUAGE

Course on any foreign language.

GUIDELINES FOR CONDUCT OF**PRACTICAL TRAINING AND ARCHITECTURAL DESIGN THESIS**

1. **PRACTICAL TRAINING** –(1) Practical Training shall be undergone during 8th/ 9th semester of the Architecture Degree course for a period of six months or one semester in the office of an architect or an organization operating in an allied field of practice or research, duly approved by the institution, under mentorship of an architect having experience of at least 5 years.
 - (2) The practical training shall be supervised and evaluated through periodic assessment by the mentoring architect and end semester examination (viva voce) as part of curricular studies.
 - (3) Training in Foreign Country shall be done under the Registered Architect of that Country and to be approved and monitored by the Head of the University or Institution.
2. **ARCHITECTURAL DESIGN THESIS** – (1) The Architectural Design Thesis shall be prepared under the guidance of a core Faculty member.
 - (2) The University or Institution shall conduct the internal evaluation at stages for the Architectural Design Thesis with the guide as a co-assessor.
 - (3) A jury comprising of an internal and external examiner and the guide shall conduct the final examination (Viva-voce) of the Architectural Design Thesis. External Examiners shall have minimum 10 years' experience.
 - (4) Practical Training shall be completed before the commencement of Architectural Design Thesis.

APPENDIX-B**STAFF REQUIREMENT**

(Strength of full time-faculty based on sanctioned intake)

A. FULL TIME TEACHING STAFF:

| Year | I | | | | II | | | | III | | | | IV | | | | V | | | | Total |
|------|---|---|-----|----|----|---|-----|----|-----|---|-----|----|----|---|-----|----|---|---|-----|----|-------|
| | H | P | APr | AP | H | P | APr | AP | H | P | APr | AP | H | P | APr | AP | H | P | APr | AP | |
| 40 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 4 | 1 | 0 | 2 | 6 | 1 | 0 | 3 | 8 | 1 | 1 | 3 | 10 | 15 |
| 80 | 1 | 0 | 1 | 4 | 1 | 0 | 3 | 8 | 1 | 1 | 4 | 12 | 1 | 2 | 5 | 15 | 1 | 2 | 6 | 20 | 29 |
| 120 | 1 | 0 | 2 | 6 | 1 | 1 | 4 | 11 | 1 | 2 | 6 | 17 | 1 | 3 | 8 | 22 | 1 | 4 | 10 | 28 | 43 |

H- Head of Institution; P- Professor; A Pr- Associate Professor; AP- Assistant Professor

Notes:

1. Only candidates registered with Council under the provisions of the Architects Act, 1972 shall be eligible for the core faculty posts subject to minimum qualifications, pay and experience as prescribed in Appendix B.
2. In addition to above, approximately 25 per cent. of the teaching load should be allotted to the Visiting faculty drawn from profession.
3. Full time faculty may be recruited in the allied areas from the field of Engineering, Fine Arts, Humanities, etc. provided that there is a minimum of 12 core full time faculty along with Head for an intake of 40. The faculty from allied areas shall not exceed more than 3 for an intake of 40, 6 for an intake of 80 and 9 for an intake of 120. Further, they should be appointed only at the posts of Associate Professor and Assistant Professor in the cadre ratio of 1:2. The minimum qualifications and experience required for appointment of these faculty shall be as per All India Council for Technical Education (AICTE) or University Grants Commission (UGC) Norms, as the case may be. However, the concerned faculty should have the minimum qualification in the respective field(s) at Bachelor's and/or Master's level with at least 60 per cent. marks at either level.
4. To maintain teacher and student ratio of 1:10, the institution shall have requisite number of visiting faculty teaching equivalents in addition to Full time teaching staff.



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