



SHRI MATA VAISHNO DEVI UNIVERSITY
SCHOOL OF ARCHITECTURE & LANDSCAPE DESIGN
(Faculty of Engineering)
Sub Post Office, Katra-182320, Jammu & Kashmir, INDIA

Ref No.: SMVDU/SoALD/21/456

Dated: 15 Dec, 2021

Minutes of Meeting

Board of Studies (BOS) meeting was convened by the HoS, SoALD on 14 Dec, 2021 at 12:00 Noon through online Google Meet Link meet.google.com/oxp-crsi-pqq to discuss the BoS Agenda Items.

Following External Expert members were present:

- | | |
|------------------------------|----------------------------|
| 1. Ar. Sanjeev Maheshwari | External BOS Expert member |
| 2. Dr. Karamjit Singh Chahal | External BOS Expert member |

Following Internal BOS members were present:

- | | |
|------------------------------------|-----------------------|
| 1. Ar. Aditya K. Singh, HoS, SoALD | Chairman, BoS |
| 2. Ar. (Dr.) Rajeev Garg | Member |
| 3. Ar. Abhiney Gupta | Member Secretary, BoS |
| 4. Ar. Navin Gupta | Member |
| 5. Ar. Abhimanyu Sharma | Member |
| 6. Ar. Anoop Sharma | Member |
| 7. Ar. Vinod Kumar | Member |
| 8. Ar. (Dr.) Sourojee Dutta | Member |
| 9. Ar. Satyanshu Kumar | Member |
| 10. Ar. Vivek Agarwal | Member |

Following Member was on leave:

- | | |
|-------------------------|--------|
| 1. Er. (Dr.) V.K. Dogra | Member |
|-------------------------|--------|

Following agenda were discussed & confirmed in the meeting:

S.No.	Agenda Item	Resolution
1	Consideration of the names of External Examiners for session 2021-22.	Recommended & Confirmed as per Annexure-1
2	Consideration of elective subject 'Traffic Awareness' as recommended by CoA.	Recommended & Confirmed as per Annexure-2
3	Consideration of exit option as per CoA 2020 norms- The students who completes three years of B.Arch. but fails to complete the B.Arch. program within 7 years shall be considered for the Exit Degree as a Bachelor Degree in Building Science (B.Sc.).	Recommended & Confirmed as per Annexure-3
4	Consideration to form separate Faculty of Architecture as per CoA recommendation given in extension of approval letter 21-22.	Recommended & Confirmed as per Annexure-4
5	Consideration of postponing Practical Training semester (VII semester) of B.Arch. 2018 batch to X semester due to ongoing pandemic situation.	Recommended & Confirmed.

Meeting ended with vote of thanks to the Chair.

Member Secretary, BoS

3/115
15.12.2021
Chairman, BoS

Cc:

Dean, FoE for kind information,
Dean, AA for kind information,
Office records

SoALD Faculty Meeting Attendance Sheet

Date: 14.12.2021

Venue: SoALD Conference Room.

Sub: BOS Meeting

S. No.	Name of Faculty Members	Signature
1.	Ar. Aditya . K. Singh, HoS, SoALD	3715 14.12.21
2.	Er. (Dr.) V.K. Dogra, HoS, SoCE	On leave.
3.	Ar. (Dr.) Rajeev Garg	14/12/2021
4.	Ar. Abhiney Gupta	14/12/2021
5.	Ar. Navin Gupta	14/12/21
6.	Ar. Abhimanyu Sharma	14/12/2021
7.	Ar. Anoop Kr. Sharma	14-12-2021
8.	Ar. (Dr.) Sourovec Dutta	14/12/21
9.	Ar. Vinod Kumar	14/12/2021
10.	Ar. Satyanshu Kumar	14/12/21

11. Ar. VIVEK AGGARWAL

Signature
Coordinator
14/12/2021

3715
14.12.21
Signature
HoS, SoALD

S.No.	Name of Examiner	Affiliation	Designation
1	Prof. Manoj Mathur	SPA Delhi	Professor & Ex HoD
2	Prof. Anil Nagrath	AN Associates, Mumbai	Principal Architect & Ex Prof./Director
3	Ar.(Dr.) Sandeep Sankat	SPA Bhopal	Associate Professor
4	Ar. Ashish Gupta	First Principle, New Delhi	Principal Architect & Urban Designer
5	Ar. Ranjeet Kanaujia	Practicing Architect, Dharamshala	Practicing Architect, Dharamshala
6	Ar. Gurpreet Singh	CoA, IET Bhaddal	Principal
7	Ar. (Dr.) Chithra.K	NIT, Calicut	Assistant Professor
8	Prof. Mahua Mukherjee	IIT, Roorkee	Professor
9	Ar. (Dr.) Neha Bansal	SRM University, Chennai	Professor
10	Ar.(Dr.) Amritha P.K.	NIT, Calicut	Assistant Professor
11	Ar. Rajesh Rokade	Sir JJ CoA, Mumbai	Assistant Professor
12	Ar. Rahul Makhija	Design Attitude, Indore	Principal Architect & Interior Designer
13	Ar. Tania Shah	Rizvi CoA, Mumbai	Professor
14	Prof. Prassana Desai	PVP Pune	Principal & Urban Designer
15	Ar. Vineet Srivastava	Dept. of Architecture, Central University of Mizoram	Associate Professor & Head of Department
16	Ar. Ritu Rai	Dept. of Architecture, Central University of Rajasthan	Associate Professor & Head of Department
17	Ar.(Dr.) Anurag Verma	SoA, Amity University	Professor & Director
18	Ar. Amit Babbar	Practicing Landscape Architect, New Delhi	Practicing Landscape Architect, New Delhi
19	Ar.(Dr.) Sanjib Nag	Dept. of Architecture, Jadhavpur University	Professor & Ex Head
20	Ar. Puneet Sethi	IIA Haryana Chapter	Chairman

Ref. No. CA/377/2021 (Syllabus/Traffic)

October 28, 2021

**TO THE HEADS OF ALL THE ARCHITECTURAL INSTITUTIONS IMPARTING
RECOGNIZED ARCHITECTURAL EDUCATION**

Subject: Inclusion of Traffic Awareness subject in the syllabus of B. Arch course-reg.

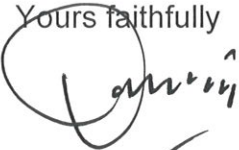
Dear Sir/Madam,

This is to inform you that Council in its 75th Meeting held on 28th and 29th August 2021 approved for the inclusion of Traffic Awareness subject in the syllabus of B. Arch course, as an elective subject. A copy of the syllabus is enclosed herewith for necessary action in the matter.

It is requested to kindly keep the Council posted with the action taken in the matter.

Thanking you,

Yours faithfully



R.K. Oberoi

Registrar

Encl: As above

Road Safety and Civic Sense

Credit: 01

Duration: 01 hour/week

Objective: To introduce the concepts, principles, tools and aids of Road Safety and Civic Sense to the students of B.Arch. To acquaint them with the design and safety standards for roads. Also inculcate the practice of safe road behaviour and civic sense among them.

Methodology: Lectures, Tutorials and Case Studies.

1. Introduction to Road Safety

Road as an active space, Types of Users, User Behaviour, Sensory Factors like Vision and Hearing in User Behaviour.

Types of Vehicles: Heavy Vehicles, Light Motor Vehicle, Two Wheelers, Auto-Rickshaw, Bicycles and Cycle Rickshaw, Non-Motorised Vehicles.

Vehicle Characteristics: Dimensions, Weight, Turning Radii, Braking Distance, Lighting System, Tyres, etc.

Type of Hazards: Conflicts and Accidents.

2. Typology of Roads: Components and Design

Road Classification: National Highways, State Highways, District Roads (MDR and ODR), Village Roads

Urban Road Classification: Expressways, Arterial, Sub-Arterial, Collector, Local, Service Roads, One-Way, Two-Way etc. Mountainous Roads. Speed Limits of the Road types.

Design of Roads: Cross-Sectional Elements- Right of Way, Carriageway, Median, Shoulders, Sidewalk, Lanes, Cycling Track, Green Strip, Curbs, Camber, etc. Spatial Standards for the Cross-Section Design.

Relationship between Road Design and Road Safety.

3. Intersections

Types of Road Intersections: Basic Forms of at-grade Junctions (T, Y, Staggered, Skewed, Cross, Scissors, Rotary, etc. Grade Separated Junctions (with or without interchange): Three-Leg, Four-Leg, Multi-Leg, etc.

Design of Intersections: Design and Spatial Standards for Traffic Islands, Turns, Turning Radii, Directional Lanes, Pedestrian Crossings, Median Openings, Traffic Calming Components like Speed Breakers and Table-Top Crossings etc.

Design Considerations for Diverging, Merging, and Weaving Traffic.

Location and Design for Traffic Signals.

4. Pedestrian Circulation and Barrier Free Design

Requirement of Pedestrian Infrastructure: Sidewalks and Footpaths, Recommended Sidewalk Widths, Pedestrian Crossings, Pedestrian Bridges, Subways, Cycle Tracks, etc.

Barrier Free Design: Location and Design Standards for Ramps for Wheel Chair Access, Other Provisions like Tactile for Visually Challenged etc.

Safety Provisions: Pedestrian Railings, Anti-skid Flooring, Pedestrian Signal, Walk Button, etc.

5. Traffic Signs and Road Markings

Type for Traffic Signs: Principles and Types of Traffic Signs, Danger Signs, Prohibitory Signs, Mandatory Signs, Informatory Signs, Indication Signs, Direction Signs, Place Identification Signs, Route Marker Signs, etc. Reflective Signs, LED Signs. Static and Dynamic Signs.

Standards for Traffic Signs: Location, Height and Maintenance of Traffic Signs

Types of Road Markings: Centre Lines, Traffic Lane Lines, Pavement Edge Lines, No Overtaking Zone Markings, Speed Markings, Hazard Markings, Stop Lines, Pedestrian Crossings, Cyclist Crossings, Route Direction Arrows, Word Messages, Marking at Intersections, etc.

Material, Colour and Typography of the Markings.

6. Traffic Signals, Traffic Control Aids, Street Lighting

Traffic Signals: Introduction, Advantages, and Disadvantages

Signal Indications: Vehicular, Pedestrian and Location of the Signals.

Signal Face, Illustration of the Signals. Red, Amber, Green Signals and its Significance, Flashing Signals

Warrant of Signals Co-ordinated Control of Signals



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Traffic Control Aids: Roadway Delineators (Curved and Straight Sections), Hazard Markers, Object Markers, Speed Breakers, Table Top Crossings, Rumble Strips, Guard Rails, Crash Barriers etc.

Street Lighting: Need for Street Lighting, Type of Lighting, Illumination Standard, Location and Intermediate Distance.

7. Road Accidents

Nature and Types of Road Accidents (Grievously Injured, Slightly Injured, Minor Injury, Non-Injury, etc.)

The situation of Road Accidents in India (Yearly), Fatality Rates, etc.

Factors (and Violations) that cause accidents, Prevention and First Aid to Victims

Collision Diagrams and Condition Diagrams exercises.

Traffic Management Measures and their influence in Accident Prevention.

8. Road Safety and Civic Sense

Need for Road Safety, Category of Road Users and Road Safety Suggestions.

Precautions for Driving in Difficult Conditions (Night, Rain, Fog, Skidding Conditions, Non-Functional Traffic Lights, etc.)

Types of Breakdowns and Mechanical Failures. Accident Sign (Warning Light, Warning Triangle, etc.)

Introduction to Concept of Civic Sense and its relationship to Road Safety: Importance of Civic Sense, Road Etiquettes and Road User Behaviour, Rules of Road, Right of the Way. Providing Assistance to Accident Victim. Sensitisation against Road Rage.

9. Traffic Regulations, Laws & Legislations

Indian Motor Vehicles Act (Chapter VIII: Control of Traffic to be discussed in detail)

Regulations Concerning Traffic: Cycles, Motor Cycles and Scooters, Rules for Pedestrian Traffic, Keep to the Left Rule, Overtaking Rules, Turning Rules, Priority Rules, Hand Signals, etc.

Speed and Hazard Management. Penal Provisions.

National Road Safety Policy, Central Motor Vehicle Rules, State Motor Vehicle Rules

Introduction to Good Practices.

Suggestive Readings:

1. Introduction to Traffic Engineering, R Srinivasa Kumar
2. Traffic Engineering and Transport Planning, LR Kadiyali
3. Book on Road Safety Signage and Signs, Ministry of Road Transport and Highways, Government of India
4. MORT&H Pocketbook for Highway Engineers, 2019 (Third Revision)
5. Publications by UTTIPEC namely, Street Design Guidelines, UTTIPEC Guideline for Road Markings, UTTIPEC Guideline and Specification for Crash Barriers, Pedestrian Railing and dividers, UTTIPEC Standard Typical Crossing Design
6. Street Design Standards as provided in TimesSavers, Neuferts etc.
7. Publications by Indian Road Congress.



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.

NORMS OF COUNCIL OF ARCHITECTURE FOR IMPARTING B.ARCH.COURSE

1. **5-year full-time Bachelor of Architecture (B.Arch.)** degree course is to be imparted by an architectural institution in an independent building and land having its own infrastructure and budgetary provisions, as provided under Council of Architecture (Minimum Standards of Architectural Education) Regulations, 2020, prescribed by the Council.

Institution must own a minimum 8000 Sq. M. or Independent or undivided and contiguous share of land adequate enough to provide for built floor space of 2,000 Sq.M. for Intake of 40; 3,000 Sq.M. for intake of 80; and 4,000 Sq.M. for intake of 120 in B.Arch. course; provided further that the built space should be contiguous. An institution applying for additional intake shall be required to create adequate infrastructural facilities in proportion to the additional intake sought, as and when sanctioned by the Council (as per the Minimum Standards). The Institution shall ensure that its building and premises and other spaces must be barrier free (i.e. disabled friendly).

2. The Institution must have valid affiliation with a University established by an Act of the Central or State Legislature or conferred authority by Law to award Degree Course in Architecture. **No admission shall be made by the Institution without valid affiliation with a University.** NOC/affiliation letter from the university must be obtained and submitted to the Council at the earliest.
3. The Institution having intake of more than 40 students shall be required to conduct separate classes for each batch of 40 candidates or part thereof.
4. The Institution shall be required to appoint/maintain the Faculty of Architecture and Physical Infrastructure & Facilities as per the under Council of Architecture (Minimum Standards of Architectural Education) Regulations, 2020.
5. The eligibility criteria for admission to 1st of 5-year B.Arch. degree course for 2021-2022 is as under:

“No candidate shall be admitted to architecture course unless she/ he has passed an examination at the end of the 10+2 scheme of examination with Physics, Chemistry & Mathematics subjects or passed 10+3 Diploma Examination with Mathematics as compulsory subject.”

6. The institution shall admit only such students who fulfill the eligibility criteria prescribed by the Council and have passed an Aptitude Test in Architecture conducted by the Council of Architecture.
7. No direct lateral admission of any student into any year/stage of the B.Arch. course is allowed as per Council Norms.
8. All admissions made by the institution under various quotas/categories must be strictly within the intake sanctioned by the Council for an academic session. The students belonging to NRI, Foreign National, PIO etc. are also required to be admitted within the sanctioned intake, subject to passing an aptitude test. Further, reservation of students/relaxation of marks in qualifying examination for admission to the B.Arch. course for reserved categories shall be as per the policy of the Central/ respective State Government.
9. All admissions must be completed by the institution before **1st October** i.e. the date of commencement of B.Arch. classes (or as amended by the Council) prescribed by the Council. The institution should apply for enrolment of students admitted for the academic session 2021-2022 at the portal of the Council latest by October 31, 2021.
10. The Institution shall follow the Duration and Stages of the Course, Admission to the Architecture Course, Courses and periods of Studies, Standards of staff, equipment, accommodation, training and other facilities for architectural education as per the Minimum Standards of Architectural Education prescribed by the Council from time to time,

11. The institution must acquire minimum 300 books on subjects of Architecture in its library for an intake of 40 (including minimum 100 titles) before the commencement of the course. Please add 150 books (including minimum 50 titles) for every additional intake of 40. From 2nd year onwards, minimum 120 books (including minimum 40 titles) for every year per intake of 40. Library of old schools, having more than 5000 books, should acquire minimum 10 titles on subjects of Architecture per intake of 40 every year.
12. As per Regulations, 2020, 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). Therefore, recruitments or promotions made to architecture faculty positions in the Institution without COA nominee shall not be deemed valid by the Council.
13. The Head as well as other core Architecture teaching faculty of the institution must have valid registration as an Architect from the Council of Architecture under the Architects Act, 1972. The 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.
14. The Institution shall initiate necessary steps to curb ragging in its premises and take appropriate action as prescribed by competent authority in case of any such incident.
15. The Institution shall ensure that women (staff, faculty or student) are protected against sexual harassment at the institution and initiate necessary steps as prescribed by competent authority.
16. All the circulars/ notices including the intake sanctioned by the Council to Institution(s) shall be displayed on the Notice Board of the Institution for information of the students and faculty members. The same shall be available on the website of the institution along with details regarding physical & academic infrastructure and faculty.
17. Any Institution which fails to maintain the Minimum Standards of Architectural Education shall be liable to attract sanctions which may include recommendation for withdrawal of recognition the qualification imparted at the Institution.
18. The affiliating University of the institution should preferably create an independent Faculty of Architecture and independent Board of Studies in Architecture for proper growth and development of course in Architecture and prepare Syllabus, Course Curriculum, Scheme of Examination in accordance with the Minimum Standards of Architectural Education as prescribed by Council. At least 1/3 of its members should be from the field of practice in Architecture.
19. In due course, the affiliating University should preferably also create a Board of Studies in Architecture, Interior Design, Building Construction Technology etc. under the Faculty of Architecture to deal with issues connected with these disciplines at UG and PG level, having at least 1/3 of its members from practice.
20. The institution is advised to constitute an independent Governing Council for a School of Architecture, having Architect members in majority. The institution may also create Course Committees for continuous development of educational programme in Architecture. At least 1/3 of its member may be from practice.



Registrar
Council of Architecture