MBS COLLEGE

Approved by CoA and A.I.C.T.E
Affiliated to GGSIPU, New Delhi

Ref. No. MBSC/GGSIPU/AAR/2026/ 4745

Dated: 23.01.2026

Affiliation Branch
Guru Gobind Singh Indraprastha University
Sector-16-C, Dwarka, New Delhi-110078

23/01/2026

To,
The Deputy Registrar,
Affiliation Branch,
Guru Gobind Singh Indraprastha University,
Sector – 16C, Dwarka,
New Delhi – 110078.

Subject: Compliance of Observations as mentioned in Academic Audit Report AS 2024-2025.

In reference to the Report of Academic Audit AS 2024-2025 received by an email, all the observation and recommendations listed on the Academic Audit Form AS 2024-25, have been addressed and the necessary actions have been taken, as listed below:

- As per Council of Architecture-Eligibility criteria for Professor/ Associate Prof. / Assistant (B.Arch Program) Prof. Ph.D. is not an essential qualification. It is only desirable at the level of Professor and Director. As such, faculty members are being encouraged to enroll for Ph.D. List of faculty members who were pursuing Ph.D. in AS 2025-26 is attached as per Attachment -1)
- MBS College organized - 5 days Faculty Development programme with ten varied Expert sessions on Urban System Research Methodologies : Towards a Sustainable Environment from 29th Dec 2025 to 2nd Jan 2026 . In the same the faculties were encouraged to write Research papers/ Book Chapters for publication in various Scopus indexed Journals and to deepen their career opportunities. (FDP Poster and Report Attached- Attachment -2)
- Regarding Guest Lectures / Webinars: MBS College has framed the Academic Calendar of AS 2025-26 accordingly and conducted various Guest Lectures / Webinars in the Odd Semester of AS 2025-26 and scheduled for Even semester also. (Attachment-3)
- Regarding Entrepreneurship Activities - MBS college has framed the Institute's Innovation and Entrepreneurship cell in Annual Session 2025-26 to fosters a campus-wide culture of innovation and entrepreneurship by engaging students, faculty, and staff in activities like ideation, problem-solving, and startup development, coordinating year-round events, connecting with industry and providing mentorship. (Attachment-4)

With regards,

Yours faithfully,

23/01/2026

(Prof. Bijay Dash)
Director

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Encl:

Attachment 1: COA norms and List of Faculty Members (Awarded & Pursuing Ph.D.)
Attachment 2: FDP poster and report attached
Attachment 3: Academic Calendar AS 2025-26
Attachment 4: Institute's Innovation and Entrepreneurship Cell

O/C

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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 section15 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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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.	Bachelor's Degree in Architecture with minimum 60% marks and Three years of relevant professional experience. OR 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.
2.	Associate Professor	Pay-Scale as prescribed by Central/respective State Government from time to time.	Bachelor's Degree in Architecture and Master's Degree in Architecture with minimum 60% 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	Pay-Scale as prescribed by Central/respective State Government from time to time.	Bachelor's Degree in Architecture and Master's Degree in Architecture with minimum 60% marks at either level and 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	Pay-Scale as prescribed by Central/respective State Government from time to time.	Bachelor's Degree in Architecture and Master's Degree in Architecture with minimum 60% marks at either level and Seventeen years experience in teaching/ research/ professional work out of which a full-time teaching

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			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

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Sector – 9, PSP Area, Dwarka, New Delhi – 110077
Affiliated to GGSIPU and Approved by CoA & AICTE

Academic Session 2025-26
List of Faculty Members Pursuing/Awarded Ph.D Degree

S.No.	Faculty Name	Programme	Ph.D Status (Degree Awarded / Pursuing)
1	Dr. Praveen Chander Ragtah	B.Arch	Awarded
2	Prof. Alpna Rohatgi	B.Arch	Pursuing
3	Ar. Sramana Banerjee	B.Arch	Pursuing
4	Ar. Namita Kathuria	B.Arch	Pursuing
5	Ar. Richa Jain	B.Arch	Pursuing
6	Ar. Shashi Singh	B.Arch	Pursuing
7	Ar. Rajshree Mathur	B.Arch	Pursuing
8	Prof. (Dr.) Sangeeta Malik	BBA	Awarded
9	Prof. (Dr.) Nagendra Singh Nehra	BBA	Awarded
10	Prof. (Dr.) Garima Saini	BCA	Awarded
11	Dr. Jyoti Sharma	BBA	Awarded
12	Dr. Ritu Rai	BBA	Awarded
13	Dr. Pratiba Bhat	BBA	Awarded
14	Dr. Prabhjot Kaur	BBA	Awarded
15	Dr. Shweta Dabas	BBA	Awarded

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Council Of Architecture Training & Research Centre, Pune

In collaboration with

MBS College, Dwarka, Delhi

Organizes **05-Day Online Faculty Development Program** on

Urban Systems and Design Research Methodologies :

Towards a Sustainable Environment.

Date : 29th December 2025 – 2nd January 2026 | **Time: 10:30 AM – 1:45 P.M**

Preamble:

The FDP is focused on strengthening key research areas in urban planning and tackling urban issues through policy frameworks. It also seeks to educate on technical pathways applications within the domain.

Key takeaways for participants:

- Understand and apply policy frameworks relevant to **Urban Planning and sustainable Urbanism.**
- Analyse and evaluate the primary **urban planning issues in megacities** related to **density, infrastructure, mobility, and resource management.**
- Formulate strong research problems and identify potential research gaps for **focused urban issues.**
- Address issues related to **human wellness, safety, and livability** in the design of high-density urban structures and developments.
- Commitment to Justice and Equity through ethical frameworks on Urban Planning, research, and addressing informed consent & privacy.

Notes:

- Teachers/ architects who wish to register for the training program either under Collaborative Training Program (CTP 2022-23) or as independent individuals may do so by filling up the Google form available on the given link.
- To confirm registration, kindly upload proof of payment towards the registration fees /nomination form on the college letterhead before submitting the registration form.
- Link to join the program will be shared one day prior to the program.
- This program is not for students.
- E-Certificate of said training program shall be send via email on the registered email id of participants, after successful completion of training program by the participant i.e., attending all sessions and submitting all assignments, EOPT and feedback form of training program.

Registration fees:

INR 1500/- (Rupees One thousand five hundred only)

Link to register:
https://forms.gle/Ao4XS2JH9E7PZRseA

Link for payment:
https://eazypay.icicibank.com/eazypayLink?P1=KOOkQYjNFb8LZHkyuUDx6Q==

Link for Nomination form under CTP 2023-2024 & 2024-2025:
https://drive.google.com/file/d/1NUWCckxuXdABP44kxCETJmRUnWIRHKK/view?usp=drive_link
Colleges may nominate faculty under CTP 2023-2024 & 2024-2025

EoPT : 2nd January 2026, 2:00 P.M - 3:00 P.M

Last Date for Registration: 26th December 2025 @ 5:30 P.M

EXPERT SPEAKERS

DAY 01 – 29th Dec 2025



Dr. Sanjukkta Bhaduri
Research Approach in Urban Planning



Ar. Lovlesh Sharma
Blue-Green Infrastructure & Water Management Systems

DAY 02 – 30th Dec 2025



Dr. Mandeep Singh
Disaster Risk Mitigation and Resilience in Urban Fabric



Dr. Sanjay Gupta
Capacity Building and Research Methodology in Urban Planning

DAY 03 – 31st Dec 2025



Ar. Alka Arya
Environmental Design Research methodology in Vedic town & country planning



Dr. Mahfuzuar Rahman Barbhuiya
New Research Method for Quantitative Analysis in Architecture

DAY 04 – 01st Jan 2026



Dr. Tanaya Verma
Methodological Approaches to Studying Vernacular Architecture for Sustainable Urban Systems



Ar. Punit Sethi
Professional Ethics and Standards

DAY 05 – 02nd Jan 2026



Dr. Siddhartha Koduru
Beyond the Virtual City: AI, AR, VR and the Transformation in Urban Design Research



Ar. Tanushree Das
Urban Design Pedagogy in Research

Convenor	Coordinator	Online Coordinator	Online Coordinator
Prof. Jayashree Deshpande	**Prof. Alpna Rohatgi**	**Prof. HKG. Nambiar**	**Ar. Pallabi Banerjee**
Director	Professor, MBS College	Professor, MBS College	Asst. Professor, MBS College
COA-TRC, Pune	+91 9910570400	+91 9582828986	+91 9837306242

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Council of Architecture Training & Research Centre (COA TRC)

The Academic Wing of Council of Architecture was constituted in 2005 as National institute of Advanced Studies in Architecture (NIASA) with the purpose of creating training centers for teachers in schools of architecture and practicing architects. It also aims to become a resource center with research facilities for academicians and professionals and to provide a platform for discourse on issues related to architectural education and practice.

COA-TRC as NIASA is now called, is set to grow in function and stature as per the growing demands of studies in architecture. At present, it functions in areas of:

- Teacher's Training & Continuing Education
- Awards & Competitions
- Architecture Publications
- Research and development

Activities of the Training Wing:

The Training wing of COA-TRC concerns itself with the training of teachers in the field of architecture and practicing architects. COA-TRC aspires to conduct training programs with a focus on education technology covering all aspects of teaching for teachers to enhance the quality of teaching inputs and upgrade their knowledge base.

COA-TRC has been conducting faculty induction programs and training programs for teachers in architecture on a variety of subjects since 2005. The programs have been highly appreciated by the participants for their content and scope. The increasing participation and positive feedback received has been very encouraging.

About the Host College and Coordinators.

MBS College, nestled in Dwarka, our vibrant 2-acre campus college in Delhi, is a transformative learning ecosystem with state-of-the-art laboratories, versatile workshops, and cutting-edge facilities. From specialized design studios to advanced technology spaces, we create an immersive environment that bridges academic theory with real-world professional excellence. MBS College transcends traditional education, cultivating a dynamic and inclusive community where students discover their potential beyond classroom walls. We provide a vibrant ecosystem that encourages personal expression, meaningful connections, and transformative learning experiences. Our campus empowers students to build academic excellence while developing leadership skills, preparing them for future professional challenges. MBS college Dwarka resonates with creativity, innovation, and an unrelenting spirit of growth. Throughout the academic year, our meticulously curated event calendar offers students extraordinary opportunities to expand knowledge, enhance professional skills, and engage in transformative experiences. We create an environment where ideas flourish, boundaries dissolve, and learning knows no limits.

About the Co-Ordinator's

Alpna Rohatgi. Professor
Hari K. G. Nambiar, Professor
Pallabi Banerjee, Assistant Professor
Overview/Preamble of Program

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Preamble: The FDP is focused on strengthening key research areas in urban planning and tackling urban issues through policy frameworks. It also seeks to educate on technical pathways applications within the domain.

Objective: The program is consciously planned in the context of global rapid urbanization, climate change, and resource depletion, addressing key urban infrastructure issues, planning research areas, and addressing potential gaps.

Key takeaways for participants:

- Understand and apply policy frameworks relevant to **Urban Planning and sustainable Urbanism.**
- Analyse and evaluate the primary **urban planning issues in megacities** related to **density, infrastructure, mobility, and resource management.**
- Apply complex urban challenges and suggest feasible, research-backed solutions by applying the knowledge to real-world problems.
- Formulate strong research problems and identify potential research gaps for **focused urban issues.**
- Address issues related to **human wellness, safety, and liveability** in the design of high-density urban structures and developments.
- Commitment to Justice and Equity through ethical frameworks on Urban Planning, research, and Addressal of informed consent and privacy.

Schedule of Program

Day & Date	**Monday** 29th December 2025	**Tuesday** 30th December 2025	**Wednesday** 31st December 2025	**Thursday** 1st January 2026	**Friday** 2nd January 2026
Session I 10:45 a.m. - 12:15 p.m.	**Dr. Sanjukkta Bhaduri-** Research Approach in Urban Planning	**Dr. Mandeep Singh -** Disaster Risk Mitigation and Resilience in Urban Fabric	**Ar. Alka Arya** Environmental Design Research methodology in the Vedic town & country planning	**Dr. Tanaya Verma** Methodological Approaches to Studying Vernacular Architecture for Sustainable Urban Systems	**Ar. Punit Sethi** Professional Ethics and Standards
Session II 12:30 p.m. – 2:00 p.m.	**Ar. Lovlesh Sharma** Blue- Green Infrastructure & Water Management Systems	**Dr. Sanjay Gupta -** Capacity Building and Research Methodology in Urban Planning	**Dr. Mahfuzuar Rahman Barbhuiya** New Research Method for Quantitative Analysis in Architecture	**Dr. Siddhartha Koduru** Beyond the Visible City: AI, AR, VR and Transformation in Urban Design Research.	**Ar. Tanushree Das** Urban Design Pedagogy in Research

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06.	New Research Method for Quantitative Analysis in Architecture	
07.	Methodological Approaches to Studying Vernacular Architecture for Sustainable Urban Systems.	
08.	Beyond the Visibility City: AI, AR, VR, and the Transformation in Urban Design Research.	
09.	Professional Ethics and Standards	
10.	Urban Design Pedagogy in Research	

Disclaimer:

This course material has been compiled from the contributions of the various resource persons and coordinators of the training program.

Permission of reproduction of other published matter / images and / or graphics is solely the responsibility of the contributing resource persons. Views expressed in this booklet are solely those of the contributors. Council of Architecture shall not be responsible for any statement, information, content matter or opinion of the contributors.

Any errors that might have inadvertently crept in are sincerely regretted.

Abstract of Each Session

Session I: Prof. Dr. Sanjukkta Bhaduri delivered the inaugural technical session on Research Approaches in Urban Planning, focusing on the identification of research areas, formulation of research questions, methodology selection, data sources, and application of research outcomes to real urban challenges.

This presentation by Prof. Dr. Sanjukkta Bhaduri outlines a systematic research approach for urban planning, emphasizing the transition from theoretical inquiry to actionable urban interventions. The scope of research is remarkably broad, covering contemporary themes such as environmental sustainability (sponge cities and blue-green infrastructure), disaster resilience (heat islands and climate adaptation), social inclusivity (gender and child-friendly design), and urban informality. These research areas are applied across various scales, ranging from macro-level city policies and governing principles to micro-level design interventions at the ward or neighbourhood scale.

The methodology is defined as a holistic process that ensures the credibility and validity of findings through a structured framework. It adopts a mixed-methods approach, also known as methodological triangulation, which integrates qualitative data on human experiences and beliefs with quantitative measurements and numbers. The research process begins with a problem statement and the identification of research gaps, followed by a literature synthesis to establish theoretical underpinnings and variables. Researchers distinguish between independent and dependent variables to investigate cause-and-effect relationsh ps and utilize indicators to assess current conditions or forecast trends.

Data collection leverages both traditional and modern sources, including physical surveys, census data, and real-time feeds from Integrated Command and Control Centres (ICCC). For spatial analysis, the document highlights the use of open-source GIS software like QGIS and GRASS GIS for 3D visualization and thematic mapping. This spatial data is sourced from platforms like Bhuvan/ISRO, with mapping scales ranging from macro-regional perspectives (1:50,000) to micro-project levels (1:1,000). Analytical rigor is maintained through statistical techniques such as Correlation, Regression, and the Analytical Hierarchical Process (AHP), which facilitates decision-making by ranking alternatives. Ultimately, this research approach aims to provide a "Way Forward" through evidence-based recommendations and policy guidelines.

Course Material of each session:

- Relevant links
- Articles
- Reading Material etc

Session II: Ar. Lovlesh Sharma presented a session on **Blue-Green Infrastructure and Water-Sensitive Urban Planning,** highlighting river cities, urban water systems, flood management, wastewater reuse, and policy-driven implementation frameworks through national-level initiatives.

This abstract summarizes the presentation by Ar. Lovlesh Sharma on the integration of Blue-Green Infrastructure (BGI) within urban planning to enhance city resilience and sustainability. The document advocates for a shift from traditional "Grey Infrastructure" to a hybrid approach that leverages natural ecosystems to manage water, temperature, and biodiversity.

The presentation explores several critical themes of BGI, including its role in mitigating **Urban Heat Islands (UHI),** managing urban floods through **Sponge City** concepts, and promoting biodiversity. Key components discussed include bioswales, rain gardens, permeable pavements, and urban forests, which serve as multifunctional spaces for both environmental regulation and community recreation. Ar. Sharma emphasizes that BGI is not merely an aesthetic choice but a necessary response to climate change, providing essential ecosystem services such as carbon sequestration and improved air quality.

The methodology for implementing BGI involves a multi-scalar approach, ranging from **Macro-level** regional planning (watershed management) to **Micro-level** site interventions (green roofs and local parks). The presentation details technical strategies like site suitability analysis, hydrological modeling, and the use of geospatial tools to identify optimal locations for green interventions. Furthermore, it highlights the importance of policy integration, suggesting that BGI should be embedded into city master plans and building bylaws to ensure long-term viability.

Ultimately, the document concludes that a well-integrated Blue-Green network creates "Future Ready Cities" that are more livable, economically vibrant, and resilient to environmental shocks. By prioritizing nature-based solutions, urban planners can move toward a sustainable "Way Forward" that balances development with ecological health.

Course Material of each session:

- Relevant links
- Articles
- Reading Material etc

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Session III: Prof. Dr. Mandeep Singh conducted a session on **Seismic Risk Mitigation and the Role of Architects,** emphasizing earthquake-resistant design principles, building configuration, structural systems, detailing, and architects' responsibility in disaster-prone regions.

This abstract summarizes the presentation by **Dr. Mandeep Singh** regarding the critical role of architects in **Seismic Risk Mitigation.** The document emphasizes that while engineers focus on structural strength, architects are responsible for the primary configuration, which significantly dictates a building's performance during an earthquake.

The presentation highlights that seismic safety is not merely an "add-on" but must be integrated into the initial design phase. Dr. Singh outlines several architectural principles that influence seismic vulnerability, such as building mass, height, and "Regularity" in both plan and elevation. A major focus is placed on avoiding "Irregularities" like **Soft Storeys, Re-entrant Corners,** and **Torsional Couplings,** which often lead to structural failure.

The methodology for risk mitigation involves understanding the seismic hazard of a region - such as India's division into four seismic zones - and applying appropriate design strategies. Architects must balance functional requirements with seismic logic, ensuring that the building's shape and load paths are continuous and symmetrical. The document also discusses the importance of non-structural elements, noting that the failure of partitions, ceilings, and glass can cause significant injuries and economic loss even if the main structure remains intact.

Ultimately, the presentation calls for a proactive approach where architects serve as the first line of defense in disaster mitigation. By adhering to seismic codes and collaborating closely with structural engineers from the conceptual stage, architects can significantly reduce the "Seismic Footprint" of the built environment.

Course Material of each session:

- Relevant links
- Articles
- Reading Material etc

Session IV: Prof. Dr. Sanjay Gupta discussed **Research Methodology in Urban Transport and Planning,** covering research design, data analysis, problem formulation, and policy-oriented transport research with examples from national and international projects.

This abstract summarizes the session by **Prof. Dr. Sanjay Gupta** on **"Capacity Building and Research Methodology in Urban Planning."** The presentation addresses the critical need to strengthen research capabilities among faculty and practitioners to navigate the complex, multi-dimensional challenges of contemporary urban systems.

Dr. Gupta emphasizes that robust research methodology serves as the backbone of effective planning, moving beyond simple data collection to a deeper understanding of **Research Paradigms,** such as Positivism and Interpretivism. The discourse outlines a systematic journey from identifying a **Research Problem** to formulating a clear **Conceptual Framework.** A key highlight is the focus on **Capacity Building,** which involves upskilling researchers to apply evidence-based planning to issues like high density, infrastructure deficits, and resource management.

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The methodology advocates for the use of diverse analytical tools to translate raw data into "Actionable Knowledge." By prioritizing ethical frameworks, validity, and reliability, the session provides a comprehensive roadmap for generating research that directly informs policy and enhances the sustainability and livability of future cities. Examples of research avenues in urban planning were very helpful and insightful especially for early researchers in the field.

Course Material of each session:

- Relevant links
- Articles
- Reading Material etc

Session V: Ar. Alka Arya presented insights into **Urban Planning Practice and Policy Frameworks,** drawing from her experience with the Delhi Development Authority. The session focused on master planning, land pooling, TOD, MPD-2041, and institutional mechanisms shaping large-scale urban development.

This abstract summarizes the presentation by Ar. Alka Arya titled "Environmental Design Research methodology in Vedic town and country planning," which explores the application of ancient Indian wisdom to contemporary urban development. The session advocates for a return to Vedic principles to achieve "Viksit Bharat 2047," focusing on creating self-sufficient, well-coordinated clusters of settlements that prioritize health, security, and prosperity.

The core of the presentation details the meticulous sizing and hierarchy of settlements based on the *Samrangana Sutradhara.* Ar. Arya outlines a structured growth model where a village (the smallest independent unit) spans approximately 1 sq. km and caters to 20,000 people. This hierarchy scales upward, with towns being four times the size of a village, and cities being sixteen times larger, ensuring a balanced distribution of resources and population. The methodology emphasizes rectangular planning and precise dimensions to optimize the living environment.

A significant portion of the discourse is dedicated to "Agnihotra"-a Vedic process of purification through fire-as a scientific tool for environmental remediation. The presentation cites empirical evidence showing that Agnihotra and its resulting ash can significantly improve air quality by reducing microbial counts, purify water sources, and enhance soil health. Specifically, research findings indicate that Agnihotra ash can neutralize soil pH, increase nitrogen-fixing bacteria by 100 times, and boost plant growth (root and shoot length) by over 30%.

In conclusion, Ar. Arya presents a "Way Forward" that integrates these Vedic environmental design methodologies with modern needs. By combining traditional spatial planning with ancient ecological practices, the session proposes a sustainable model for future cities that ensures food security, environmental purity, and overall human well-being.

Session VI: Dr. Mahfuzuar Rahman Barbhuiya delivered a session on **Sustainability, Climate Resilience, and Data-Driven Research,** highlighting quantitative research tools, statistical modelling, GIS, and sustainability assessment frameworks in urban and infrastructure projects.

This abstract summarizes the session delivered by **Dr. Mahfuzuar Rahman Barbhuiya** (also known as Mehfuz Rahman) on the integration of **Sustainability, Climate Resilience, and Data-Driven Research** in the built environment. As an expert in climate-resilient infrastructure and an IGBC/GRIHA professional, Dr. Barbhuiya emphasizes a transition from intuitive design to evidence-based architectural and urban systems.

The discourse centers on the necessity of high-fidelity data in addressing urban vulnerabilities. Dr. Barbhuiya highlights the role of **Quantitative Research Tools and Statistical Modelling (SEM)** in predicting the performance of urban systems under climate stress. By leveraging **Python** for data processing and **Geographic Information Systems (GIS)** for spatial analysis, researchers can map environmental risks-such as urban water management issues and tourism-induced ecological pressure-at a granular level.

A significant portion of the session is dedicated to **Sustainability Assessment Frameworks.** Dr. Barbhuiya explains how metrics from GRIHA and IGBC, combined with advanced statistical techniques, allow for a rigorous evaluation of infrastructure projects. This quantitative approach enables the identification of specific "resilience gaps" in smart city projects, such as those in Kanpur and Jhansi. The session further explores how longitudinal data and predictive modeling can guide the development of "Future Ready" cities that are not only sustainable but also capable of adapting to extreme climate events.
In conclusion, the presentation serves as a technical roadmap for architects and planners. It advocates for a multidisciplinary methodology that combines the physical precision of architecture with the analytical power of data science, ensuring that urban development is both ecologically balanced and scientifically validated.

Session VII: Dr. Tanaya Verma conducted a session on **Vernacular Architecture and Research Methodologies,** focusing on systematic documentation, interpretation of traditional knowledge systems, passive design strategies, and integration of vernacular principles in contemporary urban contexts.

This abstract summarizes the session delivered by **Dr. Tanaya Verma on "Methodological Approaches to Studying Vernacular Architecture for Sustainable Urban Systems."** The presentation focuses on bridging the gap between traditional wisdom and contemporary architectural requirements through a structured, research-oriented lens.

Dr. Verma advocates for a shift in how vernacular architecture is perceived-moving from a purely "nostalgic" view to a "functional" one. The core of the session details a **Systematic Documentation Process,** which involves not just physical mapping of structures, but the deep interpretation of **Traditional Knowledge Systems (TKS).** This includes studying the socio-cultural rituals, craftsmanship, and local materials that have historically informed the built environment. Dr. Verma emphasizes that these traditional systems offer time-tested solutions for resource management and community resilience.

A significant portion of the methodology is dedicated to the analysis of **Passive Design Strategies.** By evaluating how traditional buildings naturally regulate light, ventilation, and thermal comfort, Dr. Verma illustrates how these principles can be scientifically quantified. The session explores strategies such as thermal massing, courtyard effects, and natural orientation, which are essential for reducing the energy footprint of modern buildings.Her presentation carried several live examples of traditional courtyard and vernacular planning concepts to be carried for future peri-urban and city planning research.

In conclusion, the presentation provides a framework for the **Integration of Vernacular Principles** into contemporary urban contexts. Dr. Verma argues that by applying modern simulation tools to traditional techniques, architects can develop "Neo-Vernacular" solutions. This research-driven approach ensures that the sustainable wisdom of the past is effectively translated into policy-ready, energy-efficient designs for the future.

Session VIII: Prof. Dr. Siddhartha Koduru presented a forward-looking session on **Emerging Technologies in Architectural Education and Research,** focusing on AR–VR, GIS-based planning, digital fabrication, energy studies, and technology-driven pedagogy.

This abstract summarizes the presentation by **Dr. Siddhartha Koduru** titled **"Beyond the Visual City: AI, AR, VR and Transformation in Urban Research."** The session explores the disruptive potential of immersive technologies and Artificial Intelligence (AI) in bridging the gap between academic theory, industry practice, and the complex realities of modern urban environments.

Dr. Koduru begins by identifying a dual "GAP": an **Academic GAP** involving the generation, assessment, and presentation of ideas, and an **Industry GAP** centered on globalization, adaptability, and profitability. To resolve these, he proposes the integration of "Extended Reality" (XR) tools-comprising **Virtual Reality (VR), Augmented Reality (AR),** and **Mixed Reality (MR)**-alongside AI to transform how urban spaces are researched and designed.

The methodology focuses on the "Birth of the Digital City" through **Digital Twin** technology. By creating real-time virtual replicas of physical cities, planners can simulate various scenarios, from traffic flow to environmental impacts, before physical implementation. The session highlights how AI enhances this process by processing "Big Data" to identify patterns that remain "invisible" to traditional visual observation. This enables the creation of **Smart Cities** that are more responsive to the needs of their inhabitants.

Furthermore, the presentation traces the evolution of visual technology from historical stereoscopes to modern head-mounted displays, emphasizing that information only becomes knowledge through "experience." By utilizing AR/VR, stakeholders can experience a proposed urban intervention empathetically and spatially, leading to more inclusive and community-driven design outcomes.

In conclusion, Dr. Koduru envisions a future where urban research moves beyond static 2D representations. By embracing AI and immersive technologies, the field can achieve a "Future Ready" status, characterized by predictive modeling, high-fidelity visualization, and a curriculum co-designed with industry to ensure students and faculty are equipped for the digital transformation of the built environment.

Session IX: Ar. Punit Sethi addressed **Ethics, Statutory Frameworks, and Professional Conduct,** reinforcing the importance of integrity, accountability, and sustainability in architectural and planning practice.

In this session, **Ar. Punit Sethi** discusses the critical intersection of professional practice, academic research, and technological innovation within the architectural and urban planning domains. The presentation emphasizes that the complexity of contemporary urban challenges requires architects to transition from traditional design roles to becoming research-driven practitioners capable of navigating various policy and technical frameworks.

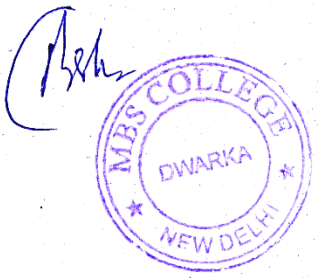
The core of the discourse focuses on the **formulation of research problems** and the identification of gaps within the current urban fabric. Ar. Sethi highlights that effective research must address the primary stressors of megacities, including high density, infrastructure deficits, and resource management. By integrating ethical frameworks-specifically those concerning justice, equity, and informed consent-researchers can ensure that urban interventions contribute to human wellness and livability rather than just physical expansion.

A significant portion of the presentation is dedicated to **technical pathways and applications.** Ar. Sethi explores how modern tools and methodologies can be used to evaluate the performance of high-density developments. This includes a commitment to "Future Ready" strategies where design is informed by data-driven insights and policy-relevant outcomes. The session advocates for a multidisciplinary approach where architectural research is not conducted in isolation but is part of a larger ecosystem involving environmental sustainability and socio-economic equity.

Ultimately, Ar. Sethi concludes that the goal of architectural research is to produce "Actionable Knowledge." By bridging the gap between theoretical exploration and field-based application, architects can lead the way toward a sustainable environment and more resilient urban systems.

Report By

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MBS College

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Affiliated to GGSIPU and Approved by COA & AICTE

Integrated Major Events Calender _ AS 2025-26

S. No.	Date	Day	Important Events and Exams
1	14th August 2025	Thursday	Orientation and Independence Day Celebration
2	4th September 2025	Thursday	Teachers Day Celebration
3	13th September 2025	Saturday	MBS College- Sports Trials
4	17th September 2025	Wednesday	Vishwakarma Pooja
5	19th September 2025	Friday	Seminar/webinar/Workshop
6	24th September 2025	Wednesday	Dandiya
7	10th October 2025	Friday	Seminar/webinar/Workshop
8	13th to 15th October 2025	Monday, Tuesday, Wednesday	MID-TERM EXAMINATION
9	17th October 2025	Friday	Rangoli Competition- Diwali
10	20th October 2025 to 24th October 2025	Monday to Friday	Diwali Break
11	29th to 31st October 2025	Wednesday to Friday	Annual Inter College Sports Meet in GGSIPU
12	28th October 2025 to 3rd November 2025	Tuesday to Monday	Vigilance Awareness Week
13	13th and 14th November 2024	Thursday and Friday	Value added programme
14	1st December to 5th December 2025	Monday to Friday	FINAL PORTFOLIO SUBMISSION WEEK
15	29th Dec 2025 to 2nd Jan 2026		END TERM EXAMINATION (PRACTICAL & THEORY) INCLUDING PREPARATORY LEAVE
16	5th January to 9th January 2026	Monday to Friday	5 days Faculty Development Program
17	13th January 2026	Tuesday	Lohri Celebration
18	16th January 2026	Friday	EVEN SEMESTER STARTED
19	19 January 2026	Monday	Guest lecture on Personality devlopment
20	23rd January 2026	Friday	Basant Panchmi- Saraswati Pooja, Recognition and Motivational Awards to students
21	26th January to 30th January 2026	Monday to Friday	STUDY TOUR
22	28 January & 29 January 2026	Thursday OR Friday	Blood Donation Camp(waiting for reply on mail for date confirmatiom) and lecture(B.Arch/BBA/BCA)
23	02 Feburary 2026	Monday	World Wetland Day at Yamuna Diversity Park(Three day@ 50 Students.
24	4th - 6th February 2026	Wednesday to Friday	GGSIPU Annual Fest - Anugoonj 2026
25	7th February 2026	Saturday	College Annual Fest
26	Industrial Visit (Mother Dairy)	7 Feb or 22 Feb	BBA & BCA(waiting for reply on mail for date confirmatiom)
27	11th February to 13th February	Wednesday to Friday	Anugoonj- GGSIPU Fest
28	14th February	Saturday	Aagman and Udaan
29	20th February 2026	Friday	Seminar/webinar/Workshop on Health talk(/B.Arch/BBA/BCA)
30	11th March to 13th March 2026	Wednesday to Friday	Annual Sports Day
31	20th March 2026	Friday	Theme Based Poetry Competition-World Poetry Day, International Day of Colour, International day of Forests (21st March 2026, Friday) World Water Day (22nd March 2026)
32	30 March,31 March,01 April	Monday to Wednesday	MID-TERM EXAMINATION
33	17th April 2026	Friday	Seminar/webinar/Workshop
34	22nd April 2026	Wednesday	Earth Day- Plantation Drive on college campus. Plant a tree.
35	18th May to 22nd May 2026	Monday to Friday	FINAL SUBMISSION WEEK
36	22nd May 2026	Friday	LAST WORKING DAY OF THE SESSION
37	25th May to 18th June 2026	Monday to Thursday	END TERM EXAMINATION (PRACTICAL & THEORY) INCLUDING PREPARATORY LEAVE
38	21st June 2026 & 22nd June 2026	Monday	Yoga Day
39	25th & 26th June 2026	Thursday & Friday	2- Day Online National National Conference
40	19th June 2026 to 16th July 2026		15 days Summer Break (Rotational in this period)

MBS COLLEGE DWARKA NEW DELHI

Institute Innovation & Entrepreneurship Cell

MBS College Innovation Cell is established to promote a culture of creativity, innovation, and problem-solving among students and faculty. The policy aims to create an ecosystem that encourages innovative thinking, research orientation, and development of novel ideas that address real-world challenges. The Innovation Cell acts as a platform to nurture talent, support interdisciplinary collaboration, and transform ideas into viable products, services, or solutions.

The policy focuses on encouraging students and faculty members to participate in innovation-driven activities such as idea generation, design thinking, prototype development, research projects, and technology-based solutions. Through workshops, seminars, hackathons, competitions, and mentorship programs, the Innovation Cell enhances awareness of emerging technologies and industry trends. The cell also facilitates collaboration with industries, research organizations, startups, and funding agencies to support innovation and entrepreneurship.

Overall, the Innovation Cell Policy aims to strengthen innovation capabilities, enhance employability, and contribute to societal and economic development by fostering an innovative mindset within the college community.

INNOVATION CELL POLICY

Preamble: In alignment with NEP 2020 and UGC/AICTE guidelines, MBS College establishes an Innovation cell to promote creativity, research, and problem-solving.

Vision: To develop MBS College as a hub of innovation and creativity.

Mission: To encourage interdisciplinary innovation, research-based solutions, and societal impact.

Objectives: Promote idea generation, patents, industry linkage, and innovation-driven education.

Scope: Applicable to students, faculty, staff, and alumni mentors.

Structure: Governing Committee, Coordinator, Faculty Members, Industry Experts.

Functions: Ideathons, hackathons, patent facilitation, workshops, and industry collaboration.

Funding: College budget, government grants, CSR, alumni support.

Review: Policy reviewed every three years.

MBS COLLEGE DWARKA NEW DELHI

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Constitution of Institute Innovation & Entrepreneurship Cell

The following committee is constituted to ensure the smooth and effective functioning of the activities under Institute Innovation & Entrepreneurship Cell.

S.No.	Name	Designation	Status	Phone No.
1	Prof. Bijay Dash	Director	Chairperson	9953627371
2	Prof.(Dr.) Sangeeta Malik	Deputy Director	Member	9971870830
3	Prof. Praveen Arora	Dean	Member	9810023479
4	Prof. Vivek Sabharwal	Professor	Member	9810162932
5	Prof.(Dr.) Garima Saini	Professor	Member	9205641651
6	Prof. (Dr.) Nagendra Singh Nehra	Professor	Member	8860214175
7	Ms. Sarita Nehra	Assistant Professor	Member	8285670825

Director

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