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MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

D No 221

05.09.2023 06th JUNE 2023

**BOARD OF STUDIES
MEETING**

DEPARTMENT OF ARCHITECTURE

DEPARTMENT OF ARCHITECTURE

Summary of the meeting of Board of Study of Architecture Department

Courses where revision was carried out

(Course/ subject name)	Course Code	Year/Date of introduction	Year/Date of revision	Percentage of content added or replaced	Agenda Item No.	Page No. (Attached Annexure)	Link to relevant documents/minutes
Building Construction II	210312	2020	2023	20%	12	32 of Annexure 3	<u><i>Annexure - 3</i></u> <u><i>(Syllabus of the Courses)</i></u>

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Summary of the meeting of Board of Study of Architecture Department

Courses focusing on employability/entrepreneurship/ skill development

(Course/ subject name)	Course Code	Activities/contents which have a bearing on increasing skill and employability	Agenda Item No.	Page No. (Attached Annexure)	Link to relevant documents/minutes
Workshop I	210117	Hands-on training in various construction techniques, material handling, and fabrication processes to develop practical skills and an understanding of construction methods. Collaborative projects and problem-solving exercises to enhance teamwork, communication, and critical thinking abilities, preparing students for real-world architectural practice and employability.	15	11 of Annexure 3	<u>Annexure - 3 (Syllabus of the Courses)</u>
Professional Communication	210118	Instruction in effective verbal and written communication, presentation skills, and visual representation techniques to develop professional communication abilities crucial for architectural practice and employability. Practical exercises in client interaction, project proposal writing, and architectural documentation to enhance professional communication skills and prepare students for successful collaboration with clients, stakeholders, and industry professionals.	15	13 of Annexure 3	
Graphics III	210313	Practical training in computer-aided design software to develop proficiency in architectural drafting, 2D and 3D modeling, and visualization techniques, enhancing technical skills and employability in architectural firms.	12	34 of Annexure 3	
Summer Internship Project I	AR0323S1/S2/S3	Paper Mache Hands-on Programme - Practical experience in working with paper mache techniques, exploring material properties, construction methods, and creative applications to enhance craftsmanship and artistic skills. Graphic Design - Practical application of graphic design principles and software tools to create visually engaging architectural graphics, presentations, and branding materials, enhancing design communication skills and employability. Abstract art Wall Murals (Hands-On) - Hands-on experience in mural art techniques, exploring various styles, themes, and materials to develop artistic skills, creativity, and an understanding of the cultural and aesthetic aspects of mural art.	12	5 of Annexure 2	<u>Annexure - 2 (Scheme of the Courses)</u>
Architectural Photography & Journalism	210521	Hands-on training in architectural photography techniques, visual storytelling, and architectural journalism to develop skills in capturing architectural spaces, communicating design narratives, and enhancing employability in architectural publications, media organizations, and architectural photography studios.	9	67 of Annexure 3	<u>Annexure - 3 (Syllabus of the Courses)</u>
Vernacular Architecture	210522	Study of traditional building techniques, regional architectural styles, and cultural context to develop a deep understanding of vernacular architecture, foster expertise in sustainable design and heritage conservation, and enhance employability in architectural firms and organizations focused on cultural preservation.	9	69 of Annexure 3	
Project Management & Building economics	210713	project planning, scheduling, cost management, and building economics to develop skills in project management, financial analysis, and construction administration, enhancing employability in architectural firms and construction project management companies.	2	93 of Annexure 3	
Estimating, Costing & Specification	210714	Developing technical perspectives. Practical training in cost estimation, quantity surveying, and specification writing is needed to develop proficiency in construction budgeting, project costing, and material specifications, enhancing employability in architectural firms and construction companies.	2	95 of Annexure 3	

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Summer Internship Project III	210719	Practical experience gained through a one-month internship in architectural firms or research institutions to develop industry-specific skills, professional network, and practical knowledge, enhancing employability and providing real-world exposure to architectural practice and research.	2	9 of Annexure 2	<u>Annexure - 2 (Scheme of the Courses)</u>
Professional Training	210901	Developing professional ethics and extensive four-month internship in architectural firms to gain practical experience, refine professional skills, and establish industry connections, significantly enhancing employability and providing comprehensive exposure to architectural practice, project execution, and client interactions.	23	113 of Annexure 3	<u>Annexure - 3 (Syllabus of the Courses)</u>
Planning Principles and Theory	670112	In-depth study of urban planning principles, theory, and policy frameworks to develop expertise in urban planning strategies, spatial analysis, and policy formulation, enhancing employability in urban planning agencies, research institutions, and consulting firms.	21	1 of Annexure 8	<u>Annexure - 8 (Syllabus of the MUP Courses)</u>
Socio-Economic Basis for Planning	670113	Analysis of socio-economic factors, demographic trends, and urban development patterns to develop skills in understanding social dynamics, equity considerations, and economic implications in urban planning, enhancing employability in government agencies, NGOs, and urban development organizations.	21	3 of Annexure 8	
Planning Techniques	670114	urban planning tools, techniques, and methodologies, including GIS, spatial analysis, and data visualization, to develop proficiency in data-driven decision-making and enhance employability in urban planning agencies, consulting firms, and research organizations.	21	5 of Annexure 8	
Infrastructure and Transportation Planning	670116	Practical Study of infrastructure systems, transportation networks, and sustainable mobility solutions to develop expertise in infrastructure planning, transport modeling, and policy analysis, enhancing employability in transportation planning agencies, urban development authorities, and consulting firms.	21	6 of Annexure 8	
Housing	670117	Comprehensive study of housing policies, affordable housing models, and housing development strategies to develop skills in housing planning, project management, and community engagement, enhancing employability in housing departments, urban development agencies, and nonprofit organizations.	21	8 of Annexure 8	
GIS Lab	670118	Hands-on training in Geographic Information Systems (GIS) software and spatial analysis techniques to develop expertise in data mapping, spatial planning, and urban analytics, enhancing employability in urban planning agencies, research institutions, and geospatial technology firms.	21	10 of Annexure 8	
Studio - Local Level/ Sub-City Level Planning	670119	Practical studio-based projects focusing on local-level and sub-city planning, involving site analysis, community engagement, and urban design proposals, enhancing skills in urban design, neighborhood planning, and participatory approaches, improving employability in urban planning departments, urban design firms, and urban development authorities.	21	11 of Annexure 8	
Planning Legislation & Professional Practice	670315	In-depth study of planning legislation, policies, and professional practices, including legal frameworks, development regulations, and project management, equips students with the knowledge and skills required for effective urban planning decision-making, policy formulation, and professional practice, enhancing employability in government agencies, planning departments, consulting firms, and non-profit organizations.	21	24 of Annexure 8	
Regional Planning & Development	670316	Comprehensive analysis of regional planning principles, development strategies, and spatial planning techniques to address regional disparities, promote sustainable development, and enhance employability in regional planning agencies, development authorities, research institutions, and international organizations.	21	26 of Annexure 8	

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Planning for Land Economics & Management	670317	Developing expertise in land economics, land management strategies, land value assessment, and real estate market analysis, equips students with the skills required for employment in urban development agencies, real estate firms, and government organizations involved in land management and economic planning.	21	27 of Annexure 8	
Public Policies in Planning	670318	Analyzing and evaluating public policies related to urban planning, understanding their implications on urban development, and developing skills to formulate effective policies, enhancing employability in government agencies, research institutions, and advocacy organizations focused on urban policy-making.	21	28 of Annexure 8	
Pre- Dissertation	670319	work, Undertaking in-depth research, data analysis, and critical evaluation of urban planning issues to develop strong analytical and research skills, preparing students for advanced dissertation work and enhancing employability in research organizations, consulting firms, and academia.	21	29 of Annexure 8	
Studio - District or Regional Level Planning	670320	Engaging in comprehensive planning projects at the district or regional level, applying strategic thinking, data analysis, and stakeholder engagement to develop sustainable and inclusive urban plans, enhancing employability in government agencies, planning firms, and regional development organizations.	21	30 of Annexure 8	

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Summary of the meeting of Board of Study of Architecture Department

New Courses added

(Course/subject name)	Course Code	Activities/contents which have a bearing on increasing skill and employability	Agenda Item No.	Page No. (Attached Annexure)	Link of relevant documents /minutes
Building Materials And Composites	210764	Gaining knowledge and practical experience in the selection, properties, and application of various building materials and composites, enhancing skills in material specification, sustainable construction practices, and employability in architectural firms and construction industries.	4	1 of Annexure 1	<u>Annexure - 1 (Week Wise Modules of the Courses Proposed)</u>
Sustainable Architecture	210765	Developing an understanding of sustainable design principles, exploring green building techniques, renewable energy systems, and sustainable material choices to enhance skills and employability in designing environmentally conscious and energy-efficient buildings.	4	2 of Annexure 1	
Contemporary Architecture And Design	210766	Exploring modern architectural trends, contemporary design theories, advanced construction technologies, and innovative design approaches to enhance skills and employability in creating cutting-edge and aesthetically appealing architectural designs.	4	3 of Annexure 1	
Introduction To Urban Planning	210767	Developing a comprehensive understanding of urban planning principles, methodologies, and strategies to enhance skills and employability in the field of architecture, focusing on the dynamics of urban spaces and their sustainable development.	4	4 of Annexure 1	
Principles And Applications Of Building Science	210551	Studying the principles and applications of building science to develop skills and enhance employability in areas such as building performance analysis, energy efficiency, thermal comfort, and sustainable building design.	11	1 of Annexure 4	<u>Annexure - 4 (Week Wise Modules of the Courses proposed)</u>
Introduction To Interaction Design	210552	Exploring interaction design principles, user-centered design methodologies, and prototyping techniques to develop skills and enhance employability in creating intuitive and user-friendly architectural interfaces and experiences.	11	2 of Annexure 4	
International Studies In Vernacular Architecture	210553	Examining diverse vernacular architectural traditions across the globe to cultivate cross-cultural design sensitivity, contextual understanding, and global perspectives for enhanced skills and employability in architectural practice.	11	3 of Annexure 4	
Visual Communication Design For Digital Media	210554	Developing proficiency in digital media tools, visual storytelling, and interactive design to enhance communication skills, creativity, and employability in the field of architecture and design.	11	4 of Annexure 4	
Basics of Web Development	210523	Gaining foundational knowledge in web development, HTML, CSS, and JavaScript to enhance digital design skills and employability in architectural firms with a focus on online platforms and interactive web-based projects.	9	71 of Annexure 3	<u>Annexure - 3 (Syllabus of the Courses)</u>

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Summary of the meeting of Board of Study of Architecture Department

Feedback on curriculum received from stakeholders: Analysis & ATR

Stakeholder	Student	Faculty	Parents	Alumni	Employer
No. of responses	70	6	28	26	25
Link of Analysis	https://docs.google.com/spreadsheets/d/luaaKPJBTjzymhueqJMaQu9nMKh5xCrVSkO4cCLcWAFw/edit#gid=1414947975				
ATR Link	https://docs.google.com/document/d/16BVgVYfxilXowqJUf9jFLqWe9lgxwaen/edit?usp=sharing&ouid=103625777585879822478&rtpof=true&sd=true				
Link showing Excel sheet of Google Form details of stakeholders	https://drive.google.com/drive/folders/1JlZguPbslkKstPG7yGKSd1s9JiA_7yx?usp=sharing	https://docs.google.com/spreadsheets/d/1zdfduAK52c9rQnCjchhsbh_g0S_mWce/edit?usp=sharing&ouid=10362577585879822478&rtpof=true&sd=true	https://docs.google.com/spreadsheets/d/1uiUoTOyOgxjh37e73tWNiqR6qJ8X1sjH/edit?usp=drive_link&ouid=103625777585879822478&rtpof=true&sd=true	https://docs.google.com/spreadsheets/d/1ChKlzu4RyqVTpi0a7crX4rs4w_iysnhllvZXeun6QDo/edit?resourcekey#gid=2118145705	https://docs.google.com/spreadsheets/d/18xmzu5WgP_w0gDZghwn8z8Uhlgam48ZFvNfBjRVBuQ/edit?usp=sharing

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Minutes of the meeting of Board of Study of Architecture Department

The meeting of Board of Studies of Architecture is being held on **June 6, 2023**, at 3:00 PM on
GOOGLE MEET - <https://meet.google.com/svm-hedd-avc>

The following members were present-

Dr. Sanjiv Singh	Professor, School of Planning and Architecture Bhopal Madhya Pradesh (M.P.) Nominee -honorable Vice – chancellor, RGPV BoS, Member
Dr. Yogesh Garg	Professor, Department of Architecture and Planning, MANIT, Bhopal Subject experts from outside the parent university (RGPV)
Dr. Avlokita Agrawal	Associate Professor, School of Architecture & Planning IIT ROORKEE Subject experts from outside the parent university (RGPV)
Dr. Abhijit Lokre	Co - founder the Urban Lab, Ahmedabad, Gujarat 380015 Representative of Industry, Subject experts from outside the parent university (RGPV)
Dr. Soma Anil Mishra	Principal School of Architecture, Bundelkhand University, Jhansi Alumnus, Subject experts from outside the parent university (RGPV)
Dr. S. S. Jadon	Professor, Department of Architecture MITS, Gwalior
Dr. A. S. Patil	Head, Asso Professor, Department of Architecture MITS, Gwalior
Dr. Archana Tiwari	Professor, Department of Civil MITS, Gwalior
Ar. Versha Sinha	Asst. Professor, Department of Architecture MITS, Gwalior
Ar. Richa Mishra	Asst. Professor, Department of Architecture MITS, Gwalior
Ar. Ankit Kumar	Asst. Professor, Department of Architecture MITS, Gwalior
Ar. Harshita Mishra	Asst. Professor, Department of Architecture MITS, Gwalior
Ar. Satyam Shukla	Asst. Professor, Department of Architecture MITS, Gwalior
Ar. Jaspreet Walia	Asst. Professor, Department of Architecture MITS, Gwalior

Handwritten signatures and names:
Ankit, Versha, Anhe, Jaspreet, Gupta, Patil, Tiwari

Handwritten signature: M. Pandic
03/08/2023
DEAN (ACADEMICS)
M.I.T.S
GWALIOR