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

**14<sup>th</sup> DECEMBER 2022**

**BOARD OF STUDIES  
MEETING**

**DEPARTMENT OF ARCHITECTURE**

# MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

## 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 of relevant documents/minutes |
|--|-------------|---------------------------|-----------------------|---|-----------------|------------------------------|------------------------------------|
| Elective – VII Professional Certification Course | 211003      | 28-11-2020                | 14-12-2022            | 100%<br>(Instead of professional certification adopted from NPTEL courses)              | 17              | Annexure 2, Page no. 8       | ■ Annexure 2_B...                  |
| Planning Principles and Theory                   | 670112      | 28-11-2020                | 14-12-2022            | (Change in credits & contact hours only)  | 17              | Annexure 2, Page no. 9       |                                    |
| Socio-Economic Basis for Planning                | 670113      | 28-11-2020                | 14-12-2022            | (Change in credits & contact hours only)  | 17              | Annexure 2, Page no. 9       |                                    |
| Planning Techniques                              | 670114      | 28-11-2020                | 14-12-2022            | (Change in credits & contact hours only)  | 17              | Annexure 2, Page no. 9       |                                    |
| Infrastructure and Transportation Planning       | 670116      | 28-11-2020                | 14-12-2022            | (Change in credits & contact hours only)  | 17              | Annexure 2, Page no. 9       |                                    |
| Housing  | 670117      | 28-11-2020                | 14-12-2022            | (Change in credits & contact hours only)  | 17              | Annexure 2, Page no. 9       |                                    |
| STUDIO I   | 670106      | 28-11-2020                | 14-12-2022            | Subject dissolved   | 17              | Annexure 2, Page no. 9       |                                    |
| GIS LAB  | 670118      | 28-11-2020                | 14-12-2022            | -<br>Shifted from II Sem to I Sem (Change in Name, credits & contact hours)             | 17              | Annexure 2, Page no. 9       |                                    |
| Studio - Local Level/ Sub-City Level Planning    | 670119      | 28-11-2020                | 14-12-2022            | 100%<br>(Change in Content, Name, credits & contact hours only)                         | 17              | Annexure 2, Page no. 9       |                                    |
| City and Metropolitan Planning                   | 670212      | 28-11-2020                | 14-12-2022            | (Change in credits & contact hours only)  | 17              | Annexure 2, Page no. 10      |                                    |
| Design Of Human Settlement                       | 670213      | 14-12-2022                | 14-12-2022            | 100%<br>Subject Introduced  | 17              | Annexure 2, Page no. 10      |                                    |
| Urban Development Finance & Project Planning     | 670214      | 28-11-2020                | 14-12-2022            | (Change in credits & contact hours only)  | 17              | Annexure 2, Page no. 10      |                                    |
| Statistics And Population Studies                | 670215      | 14-12-2022                | 14-12-2022            | 100%<br>Subject Introduced  | 17              | Annexure 2, Page no. 10      |                                    |
| Elective - I -Urban Heritage Conservation        | 670216      | 28-11-2020                | 14-12-2022            | -<br>Change in Name & Credits (Earlier it was core subject, now introduced as Elective) | 17              | Annexure 2, Page no. 10      |                                    |

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J. Shella  
14/12/2022

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|  |        |            |            |   |    |                            |
|--|--------|------------|------------|---|----|----------------------------|
| Elective - I<br>-Governance And<br>Management In<br>Planning     | 670217 | 14-12-2022 | 14-12-2022 | 100%<br>Subject Introduced  | 17 | Annexure 2, Page no.<br>10 |
| Seminar<br>(Social Research/<br>Report Writing)                  | 670218 | 28-11-2020 | 14-12-2022 | -<br>Shifted from III Sem to II<br>Sem, (Change in credits &<br>contact hours only) | 17 | Annexure 2, Page no.<br>10 |
| Studio -<br>City Level Planning                                  | 670219 | 28-11-2020 | 14-12-2022 | 100%<br>(Change in Name, credits &<br>contact hours)                                | 17 | Annexure 2, Page no.<br>10 |
| Studio II  | 670207 | 28-11-2020 | 14-12-2022 | Subject dissolved   | 17 | Annexure 2, Page no.<br>10 |
| Research<br>Methodology  | 670205 | 28-11-2020 | 14-12-2022 | Subject dissolved   | 17 | Annexure 2, Page no.<br>10 |
| Planning Legislation<br>& Professional<br>Practice               | 670315 | 28-11-2020 | 14-12-2022 | -<br>Change in Name & Credits   | 17 | Annexure 2, Page no.<br>11 |
| Regional Planning<br>& Development                               | 670316 | 14-12-2022 | 14-12-2022 | 100%<br>Subject Introduced  | 17 | Annexure 2, Page no.<br>11 |
| Elective -II -<br>Planning For Land<br>Economics &<br>Management | 670317 | 14-12-2022 | 14-12-2022 | 100%<br>Subject Introduced  | 17 | Annexure 2, Page no.<br>11 |
| Elective -II<br>- Public Policies In<br>Planning                 | 670318 | 14-12-2022 | 14-12-2022 | 100%<br>Subject Introduced  | 17 | Annexure 2, Page no.<br>11 |
| Pre- Dissertation  | 670319 | 28-11-2020 | 14-12-2022 | -<br>(Change in Code, Contact<br>Hours and Credits only)                            | 17 | Annexure 2, Page no.<br>11 |
| Studio<br>District Or Regional<br>Level Planning                 | 670320 | 14-12-2022 | 14-12-2022 | 100%<br>Subject Introduced  | 17 | Annexure 2, Page no.<br>-  |

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## DEPARTMENT OF ARCHITECTURE

### 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 of relevant documents/ minutes |
|---|-------------|--|-----------------|------------------------------|-------------------------------------|
| Graphics II                                     | 210213      | Students learn skills in architectural drawing by developing their drafting, visualizing and portraying skills.  | 17              | 20                           | ■ Anne...                           |
| Workshop II                                     | 210217      | Students obtain the ability to appreciate the three dimensional implications of design.  | 17              | 29                           |                                     |
| Housing   | 210611      | Students gain the knowledge of fundamental concepts and theories of Housing and apply them in their design projects, various types of Housing and its components.  | 17              | 59                           |                                     |
| Design Thinking in Architecture                 | 210619      | This course will help students to learn the process of creative and critical thinking that allows information and ideas to be organized, decisions to be made, situations to be improved and knowledge to be gained.   | 17              | 61                           |                                     |
| Strategies for Sustainable Design               | 210651      | This course will help students to seek to minimize the negative environmental impact of buildings by efficiency and moderation in the use of materials, energy, development space and the ecosystem at large and Built Environments, Policy, Growth, Development and 3 R's for Consumption and | 17              | 3                            | ■ Anne...                           |
| Environmental Impact Assessment                 | 210652      | This course will help students to learn about the EIA Procedure - Scoping & Screening and Establishing Baseline Conditions Environmental Impact Assessment and Lifecycle Analysis  | 17              | 1                            |                                     |
| Urban Services Planning                         | 210653      | This course will help students to understand the different types of municipal services, Strategic aspects, Regulatory framework, Role of stakeholders, Urban management and finance, Public private partnerships, Benchmarks, Government programs, policies.                                   | 17              | 2                            |                                     |
| Professional Practice & Ethics                  | 210803      | Students obtain understanding of the moral values that ought to guide the Engineering Profession, and to resolve the moral issues in the profession, and to justify the moral judgment concerning the profession.  | 17              | 69                           | ■ Anne...                           |
| Interior Architecture & Space Planning          | 210817      | Students obtain knowledge of the Interior design principles and their applications in Architecture. It will enhance the knowledge of fostering creative ability and understanding & conceive architectural Design.   | 17              | 74                           |                                     |
| Sustainable interventions in historic Buildings | 210814      | Students understand the field of heritage, sustainable interventions for conservation, and its techniques.   | 17              | 76                           |                                     |



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|  |         |  |    |    |           |
|--|---------|--|----|----|-----------|
| Strategies for Sustainable Design          | 211051  | This course will help students to seek to minimize the negative environmental impact of buildings by efficiency and moderation in the use of materials, energy, development space and the ecosystem at large and Built Environments, Policy, Growth, Development and 3 R's for Consumption and | 17 | 3  | ■ Anne... |
| Urban Services Planning                    | 211052  | This course will help students to understand the different types of municipal services, Strategic aspects, Regulatory framework, Role of stakeholders, Urban management and finance, Public private partnerships, Benchmarks, Government programs, policies.                                   | 17 | 2  |           |
| Geographic Information Systems             | 212053  | This course will help students to understand the Geographic Information Systems, how the GIS Softwares are used, what type of analysis can be done through GIS.  | 17 | 4  |           |
| An Introduction to Artificial Intelligence | 212053  | This course will help students to understand the Philosophy of AI, Definitions, Modeling a Problem as Search Problem and other basics of AI  | 17 | 6  |           |
| Planning Principles And Theory             | 670112  | Planning legislation & concepts, urban policy, its nature and process of making urban policy, Professional Practice in planning  | 17 | 9  | ■ Anne... |
| Socio-Economic Basis For Planning          | 670113  | socio-Economic Basis For Planning in its techniques and Policies and Programmes, Legislations  | 17 | 9  |           |
| Planning Techniques                        | 670114  | Structures supported by effective land markets, appropriate regulation, good public services, adequate public finance and transparent and accountable city level political systems.  | 17 | 9  |           |
| Infrastructure And Transportation Planning | 670116  | Infrastructure management, planning, finance and managing urban areas. Structures supported by effective land markets, appropriate regulation, good public services, adequate public finance and transparent and accountable city level political systems.                                     | 17 | 9  |           |
| Housing                                    | 670117  | Housing planning. Identification of present and future housing needs within an approved designated area and providing methods for developing needed housing.   | 17 | 9  |           |
| Gis Lab                                    | 670118  | Remote Sensing – Aerial and Satellite; introduction to GIS, Spatial data and Attribute data; Satellite images as input to GIS; Collection and presentation of baseline information.  | 17 | 9  |           |
| Studio - Local Level/ Sub-City Level Plan  | 6701197 | Dynamics of various components of the city and level interventions with multi-dimensional, dynamic and futuristic spaces.  | 17 | 9  |           |
| City And Metropolitan Planning             | 670212  | Planning, finance and managing urban areas. Structures supported by effective land markets, appropriate regulation, good public services, adequate public finance and transparent and accountable city level political systems.  | 17 | 10 |           |
| Design Of Human Settlement                 | 670213  | Functions of human settlements. These include protection, pooled economics, shared natural resources, and socioemotional connections. The following bulleted list outlines the important functions of rural settlements, and how each function aids in overall cultural wellness and success.  | 17 | 10 |           |



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|  |               |  |    |    |
|--|---------------|--|----|----|
| Urban Development Finance & Project Planning   | 670214        | Urban development covers infrastructure for education, health, justice, solid waste, markets, street pavements and cultural heritage protection. These constructions usually form part of specific sector programmes, including capacity building measures. Special attention is also paid to slums of large cities.   | 17 | 10 |
| Statistics And Population Studies  | 670215        | A scientific study of the human population and more specifically the study of size, geographic distribution, age-sex structure and the socio-economic composition of populations.  | 17 | 10 |
| Elective - I<br>-Urban Heritage Conservation<br>-Governance And Management In Planning | 670216/670217 | Urban conservation in planning, its techniques and Policies and Programmes, Legislations.<br>Governance is how the board exercises its authority, control, and direction over the organization." Strategic planning is "a disciplined effort to produce fundamental decisions and actions that shape and guide what an organization is, what it does, and why it does it | 17 | 10 |
| Seminar (Social Research/ Report Writing)  | 670218        | Basic principles & methods of Research, specifically in Design at Urban scale, and towards helping them conducting their own authentic & independent research. Research basics, defining research problems, Research Design, Developing a Research Plan, Plagiarism, IPR, etc.   | 17 | 10 |
| Studio - City Level Planning   | 670219        | Dynamics of various components of the city and level interventions with multi-dimensional, dynamic and futuristic spaces.  | 17 | 10 |
| Dissertation   | 670401        | Students obtain understanding of standards and conventions of doing dissertation and gain preliminary background information that puts the research in context and to clarify the focus of the study.  | 17 | 12 |



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## DEPARTMENT OF ARCHITECTURE

### 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 |
|---|-----------------|--|-----------------|------------------------------|-------------------------------------|
| Design Thinking in Architecture                     | 210619          | This course will help students to learn the process of creative and critical thinking that allows information and ideas to be organized, decisions to be made, situations to be improved and knowledge to be gained.   | 6               | 61                           | ■ Anne...                           |
| Interior Architecture & Space Planning              | 210817          | Students obtain knowledge of the Interior design principles and their applications in Architecture. It will enhance the knowledge of fostering creative ability and understanding & conceive architectural Design.   | 2               | 74                           |                                     |
| Urban Services Planning                             | 210653 & 211052 | This course will help students to understand the different types of municipal services, Strategic aspects, Regulatory framework, Role of stakeholders, Urban management and finance, Public private partnerships, Benchmarks, Government programs, policies.                                     | 7               | 2                            | ■ Anne...                           |
| Geographic Information Systems                      | 211053          | This course will help students to understand the Geographic Information Systems, how the GIS Softwares are used, what type of analysis can be done through GIS.  | 7               | 4                            |                                     |
| An Introduction to Artificial Intelligence          | 211054          | This course will help students to understand the Philosophy of AI, Definitions, Modeling a Problem as Search Problem and other basics of AI  | 7               | 6                            |                                     |
| Studio Local Level/ Sub-City Level Plan             | 670119          | Dynamics of various components of the city and level interventions with multi-dimensional, dynamic and futuristic spaces.  | 17              | 9                            | ■ Anne...                           |
| Design Of Human Settlement                          | 670213          | Functions of human settlements. These include protection, pooled economics, shared natural resources, and socioemotional connections. The following bulleted list outlines the important functions of rural settlements, and how each function aids in overall cultural wellness and success.    | 17              | 10                           |                                     |
| Statistics And Population Studies                   | 670215          | A scientific study of the human population and more specifically the study of size, geographic distribution, age-sex structure and the socio-economic composition of populations.  | 17              | 10                           |                                     |
| Elective - I -Governance And Management In Planning | 670217          | Governance is how the board exercises its authority, control, and direction over the organization." Strategic planning is "a disciplined effort to produce fundamental decisions and actions that shape and guide what an organization is, what it does, and why it does it                      | 17              | 10                           |                                     |
| Studio City Level Planning                          | 670219          | Housing planning. Identification of present and future housing needs within an approved designated area and providing methods for developing needed housing. Use of GIS, Spatial data and Attribute data; Satellite images as input to GIS; Collection and presentation of baseline information. | 17              | 10                           |                                     |

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**DEPARTMENT OF ARCHITECTURE**

**Summary of the meeting of Board of Study of Architecture Department**

**Feedback on curriculum received from stakeholders: Analysis & ATR**

| Stakeholder   | Student   | Faculty   | Alumni  | Employer  |
|---|---|---|---|---|
| No. of responses  | 76  | 07  | 13  | 25  |
| Link of Analysis  | <a href="https://drive.google.com/file/d/1LPOz9WHovR7DWQ91k_aHZ_5IXHE5pDTn/view?usp=share_link">https://drive.google.com/file/d/1LPOz9WHovR7DWQ91k_aHZ_5IXHE5pDTn/view?usp=share_link</a>   | <a href="https://docs.google.com/document/d/1hgARMSapmXwpWD0MoyqnoRnDEnzb5D6m/edit?usp=sharing&amp;ouid=103625777585879822478&amp;rtpof=true&amp;sd=true">https://docs.google.com/document/d/1hgARMSapmXwpWD0MoyqnoRnDEnzb5D6m/edit?usp=sharing&amp;ouid=103625777585879822478&amp;rtpof=true&amp;sd=true</a>     |   |   |
| ATR Link  | <a href="https://docs.google.com/document/d/1hgARMSapmXwpWD0MoyqnoRnDEnzb5D6m/edit?usp=sharing&amp;ouid=103625777585879822478&amp;rtpof=true&amp;sd=true">https://docs.google.com/document/d/1hgARMSapmXwpWD0MoyqnoRnDEnzb5D6m/edit?usp=sharing&amp;ouid=103625777585879822478&amp;rtpof=true&amp;sd=true</a> |   |   |   |
| Link showing Excel sheet of Google Form details of stakeholders | <a href="https://drive.google.com/drive/folders/1AWw9WAt_Hb9ITS97L53NmsHrwwppiDm?usp=sharing">https://drive.google.com/drive/folders/1AWw9WAt_Hb9ITS97L53NmsHrwwppiDm?usp=sharing</a>   | <a href="https://docs.google.com/spreadsheets/d/1bs-rmL5xDfMiaFMO1OW1SRJatMILkTj/edit?usp=sharing&amp;ouid=10362577585879822478&amp;rtpof=true&amp;sd=true">https://docs.google.com/spreadsheets/d/1bs-rmL5xDfMiaFMO1OW1SRJatMILkTj/edit?usp=sharing&amp;ouid=10362577585879822478&amp;rtpof=true&amp;sd=true</a> | <a href="https://docs.google.com/spreadsheets/d/1hRjdBExQB6WcFbibryGZdE8wOIMTnRby/edit?usp=sharing&amp;ouid=103794285711482402565&amp;rtpof=true&amp;sd=true">https://docs.google.com/spreadsheets/d/1hRjdBExQB6WcFbibryGZdE8wOIMTnRby/edit?usp=sharing&amp;ouid=103794285711482402565&amp;rtpof=true&amp;sd=true</a> | <a href="https://docs.google.com/spreadsheets/d/18xwzu5WgP_w0_gDZghwn8z8Uhlgam48ZFvNtBjRvBuQ/edit?usp=sharing">https://docs.google.com/spreadsheets/d/18xwzu5WgP_w0_gDZghwn8z8Uhlgam48ZFvNtBjRvBuQ/edit?usp=sharing</a> |

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## DEPARTMENT OF ARCHITECTURE

### Minutes of the meeting of Board of Study of Architecture Department Meeting

The meeting of Board of Studies of Architecture is being held on 14<sup>th</sup> December 2022 at 11:30 PM on  
GOOGLE MEET - <https://meet.google.com/efu-oxkt-yoq>

The following members were present-

|                      |  |
|----------------------|--|
| Dr. Sanjiv Singh     | Professor, School of Planning and Architecture Bhopal Madhya Pradesh (M.P.)<br>Nominee -honorable Vice – chancellor, RGPV BoS, Member          |
| Dr. Yogesh Garg      | Professor, Department of Architecture and Planning, MANIT, Bhopal<br>Subject experts from outside the parent university (RGPV)                 |
| Dr. Avlokita Agrawal | Associate Professor, School of Architecture & Planning IIT ROORKEE<br>Subject experts from outside the parent university (RGPV)                |
| Dr. Abhijit Lokre    | Co - founder the Urban Lab, Ahmedabad, Gujarat 380015<br>Representative of Industry, Subject experts from outside the parent university (RGPV) |
| Dr. Soma Anil Mishra | Principal School of Architecture, Bundelkhand University, Jhansi<br>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. Pranshi Jain     | 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  |

# MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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## Agenda of the BoS

(Approved by the Academic Development Cell for all BoS Meetings Scheduled during December 2022)

| BoS Agenda Items             |   |                              |  |  |       |             |             |   |  |        |   |   |        |
|------------------------------|---|------------------------------|--|--|-------|-------------|-------------|---|--|--------|---|---|--------|
| Item 1                       | To confirm the minutes of the previous BoS meeting held in the month of June 2022<br>The minutes of the previous BoS meeting held on 8 <sup>th</sup> June, 2022 are confirmed.  |                              |  |  |       |             |             |   |  |        |   |   |        |
| Item 2                       | <p>To propose the <b>scheme structure of VIII Semester</b> with the provision of <b>ONE DE &amp; ONE OC</b> course to be offered in online mode with credit transfer for the batch admitted in 2019-20. (The total credits from I-VIII semester should be 170 for this batch)</p> <p><b>No course</b> is opted from SWAYAM/NPTEL/ other MOOC Platforms/ Institution (MITS) MOOC for credit transfer in the <b>VIII Semester</b>. The scheme and structure of other courses are reviewed and finalized. The DE courses to opted from are listed below.</p> <table border="1"> <thead> <tr> <th colspan="3">Departmental Elective (DE-6)</th> </tr> <tr> <th>S.No.</th> <th>Course Name</th> <th>Course Code</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Interior Architecture &amp; Space Planning</td> <td>210817</td> </tr> <tr> <td>2</td> <td>Sustainable Interventions in Historic Buildings</td> <td>210814</td> </tr> </tbody> </table> <p><i>Annexure - 1 (Syllabus of the Courses), Annexure - 2 (Scheme of the Courses)</i><br/>                     ■ Annexure 1_B.Arch I, II, IV, VI, VIII, X Semester_BOS Dec 2022 Approved Syllabus_14.12.2022.doc...<br/>                     ■ Annexure 2_B.Arch I, II, IV, VI, VIII, X Semester_BOS Dec 2022 Approved Scheme_14.12.2022.pdf</p> | Departmental Elective (DE-6) |  |  | S.No. | Course Name | Course Code | 1 | Interior Architecture & Space Planning | 210817 | 2 | Sustainable Interventions in Historic Buildings | 210814 |
| Departmental Elective (DE-6) |   |                              |  |  |       |             |             |   |  |        |   |   |        |
| S.No.                        | Course Name   | Course Code                  |  |  |       |             |             |   |  |        |   |   |        |
| 1                            | Interior Architecture & Space Planning  | 210817                       |  |  |       |             |             |   |  |        |   |   |        |
| 2                            | Sustainable Interventions in Historic Buildings   | 210814                       |  |  |       |             |             |   |  |        |   |   |        |
| Item 3                       | <p>To propose the list of courses which the students can opt from SWAYAM/NPTEL/ other MOOC Platforms/ Institution (MITS) MOOC, to be offered in <i>online mode under Departmental Elective (DE) category courses (DE-5) and open category (OC4)</i> for credit transfer in the <b>VIII Semester</b> under the flexible curriculum (Batch admitted in 2019-20)</p> <p><b>No course</b> is opted from SWAYAM/NPTEL/ other MOOC Platforms/ Institution (MITS) MOOC for credit transfer in the <b>VIII Semester</b></p>   |                              |  |  |       |             |             |   |  |        |   |   |        |
| Item 4                       | <p>To propose the list of "Additional Courses" which can be opted for getting</p> <p>(i) Honours (for students of the host department)<br/>                     (ii) Minor Specialization (for students of other departments)</p> <p><i>(These will be offered through SWAYAM/NPTEL/MOOC based Platforms for the VI semester for the batch admitted in 2019-20. The list should be additive such that those MITS which were offered in previous semesters, should not be repeated in the current semester being offered on the platform during Jan-June 2023 semesters)</i></p> <p>As per CoA norms, Honours (for students of the host department) &amp; Minor Specialization (for students of other departments) is not offered in the B.Arch course.</p>  |                              |  |  |       |             |             |   |  |        |   |   |        |
| Item 5                       | <p>To review and finalize the syllabi for all <b>Departmental Core (DC) Courses of VI Semester (for batches admitted in 2020-21)</b> under the flexible curriculum along with their COs</p> <p>The scheme and structure of all courses are reviewed and finalized. Marking scheme changed. The credits of Working Drawing (210624) has been revised from 2 to 3 and Building Services revised from 4 to 3.</p> <p><i>Annexure - 1 (Syllabus of the Courses), Annexure - 2 (Scheme of the Courses)</i><br/>                     ■ Annexure 1_B.Arch I, II, IV, VI, VIII, X Semester_BOS Dec 2022 Approved Syllabus_14.12.2022.doc...</p>   |                              |  |  |       |             |             |   |  |        |   |   |        |

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|         | <p>■ <i>Annexure 2_B.Arch I, II, IV, VI, VIII. X Semester_BOS Dec 2022 Approved Scheme_14.12.2022.pdf</i></p>   |             |       |             |             |   |                                   |        |   |                                 |        |   |                         |        |
|---------|---|-------------|-------|-------------|-------------|---|-----------------------------------|--------|---|---------------------------------|--------|---|-------------------------|--------|
| Item 6  | <p>To review and finalize the courses &amp; syllabi to be offered (for batches admitted in 2020-21) under <b>Departmental Elective (DE) Course</b> in the <b>VI Semester</b><br/>The DE courses to opted from are listed below.</p> <p style="text-align: center;"><b>Departmental Elective (DE-3)</b></p> <table border="1"> <thead> <tr> <th>S.No.</th> <th>Course Name</th> <th>Course Code</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Housing</td> <td>210611</td> </tr> <tr> <td>2</td> <td>Design Thinking in Architecture</td> <td>210619</td> </tr> </tbody> </table> <p><i>Annexure - 1 (Syllabus of the Courses), Annexure - 2 (Scheme of the Courses)</i><br/>                 ■ <i>Annexure 1_B.Arch I, II, IV, VI, VIII. X Semester_BOS Dec 2022 Approved Syllabus_14.12.2022.docx...</i><br/>                 ■ <i>Annexure 2_B.Arch I, II, IV, VI, VIII. X Semester_BOS Dec 2022 Approved Scheme_14.12.2022.pdf</i></p>                                   |             | S.No. | Course Name | Course Code | 1 | Housing                           | 210611 | 2 | Design Thinking in Architecture | 210619 |   |                         |        |
| S.No.   | Course Name   | Course Code |       |             |             |   |                                   |        |   |                                 |        |   |                         |        |
| 1       | Housing   | 210611      |       |             |             |   |                                   |        |   |                                 |        |   |                         |        |
| 2       | Design Thinking in Architecture   | 210619      |       |             |             |   |                                   |        |   |                                 |        |   |                         |        |
| Item 7  | <p>To propose the list of courses from SWAYAM/NPTEL/MOOC Platforms to be offered (for batches admitted in 2020-21) in online mode under <b>Departmental Elective (DE) Course</b> with credit transfer, in the <b>VI Semester</b><br/>The DE courses to opted from platforms such as NPTEL/SWAYAM/MOOC are listed below.</p> <p style="text-align: center;"><b>Departmental Elective - 4 (DE-4) Courses opted From SWAYAM/NPTEL/MOOC Platforms</b></p> <table border="1"> <thead> <tr> <th>S.No.</th> <th>Course Name</th> <th>Course Code</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Strategies for Sustainable Design</td> <td>210651</td> </tr> <tr> <td>2</td> <td>Environmental Impact Assessment</td> <td>210652</td> </tr> <tr> <td>3</td> <td>Urban Services Planning</td> <td>210653</td> </tr> </tbody> </table> <p><i>Annexure - 3 (Weekwise Modules of the Courses proposed)</i><br/>                 ■ <i>Annexure 3_NPTEL Courses Jan-June 2023.pdf</i></p> |             | S.No. | Course Name | Course Code | 1 | Strategies for Sustainable Design | 210651 | 2 | Environmental Impact Assessment | 210652 | 3 | Urban Services Planning | 210653 |
| S.No.   | Course Name   | Course Code |       |             |             |   |                                   |        |   |                                 |        |   |                         |        |
| 1       | Strategies for Sustainable Design   | 210651      |       |             |             |   |                                   |        |   |                                 |        |   |                         |        |
| 2       | Environmental Impact Assessment   | 210652      |       |             |             |   |                                   |        |   |                                 |        |   |                         |        |
| 3       | Urban Services Planning   | 210653      |       |             |             |   |                                   |        |   |                                 |        |   |                         |        |
| Item 8  | <p>To review and finalize the courses &amp; syllabi to be offered (for batches admitted in 2020-21) under <b>Open Category (OC) Courses</b> (in traditional mode) for <b>VI semester</b> students of other departments along with their COs<br/>As per CoA norms, <b>Open Category (OC) Courses</b> (in traditional mode) is not offered to the B.Tech students.</p>  |             |       |             |             |   |                                   |        |   |                                 |        |   |                         |        |
| Item 9  | <p>To review and finalize the Experiment list/ Lab Manual for Laboratory Courses to be offered in <b>VI semester</b> (for batches admitted in 2020-21)<br/>No laboratory courses in the VI semester.</p>  |             |       |             |             |   |                                   |        |   |                                 |        |   |                         |        |
| Item 10 | <p>To review and finalize the scheme and syllabi of <b>B. Tech. IV Semester</b> (for batches admitted in 2021-22) under the flexible curriculum along with their COs<br/><b>Reviewed and finalized with no revisions.</b><br/> <i>Annexure - 1 (Syllabus of the Courses), Annexure - 2 (Scheme of the Courses)</i><br/>                 ■ <i>Annexure 1_B.Arch I, II, IV, VI, VIII. X Semester_BOS Dec 2022 Approved Syllabus_14.12.2022.docx...</i><br/>                 ■ <i>Annexure 2_B.Arch I, II, IV, VI, VIII. X Semester_BOS Dec 2022 Approved Scheme_14.12.2022.pdf</i></p>  |             |       |             |             |   |                                   |        |   |                                 |        |   |                         |        |
| Item 11 | <p>To review and finalize the Experiment list/ Lab Manual for Laboratory Courses to be offered in <b>IV semester</b> (for batch admitted in 2021-22)<br/>No laboratory courses in the IV semester.</p>  |             |       |             |             |   |                                   |        |   |                                 |        |   |                         |        |



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|   |  |             |  |
|---|--|-------------|--|
| Item<br>12  | <p>To review and finalize the suggestive list of projects under the 'Skill based mini-project' category in various laboratory courses to be offered in Jan - June 2023 semester during <b>IV Semester (for the batch admitted in 2021-22)</b>.<br/>The Skill based mini projects for various lab courses are listed below.</p> |             |  |
| Skill Based Mini-Projects   |  |             |  |
| S.No.   | Course Name  | Course Code | Skill based mini-projects  |
| 1   | Architectural Design IV  | 210411      | Making table top models using elements of design in rural architecture based on design brief |
| 2   | Building construction III  | 210412      | Making of models displaying modern techniques of RCC construction                            |
| <p><i>Annexure - 1 (Syllabus of the Courses), Annexure - 2 (Scheme of the Courses)</i><br/>                 ■ Annexure 1_B.Arch I, II, IV, VI, VIII. X Semester_BOS Dec 2022 Approved Syllabus_14.12.2022.doc...<br/>                 ■ Annexure 2_B.Arch I, II, IV, VI, VIII. X Semester_BOS Dec 2022 Approved Scheme_14.12.2022.pdf</p> |  |             |  |
| Item<br>13  | <p>To ratify the <i>Scheme &amp; Syllabi, list of experiments and skill based mini projects of First Semester &amp; Second Semester B. Tech. programmes [admitted batch 2022-23 Session]</i></p>   |             |  |
| <p><b>Reviewed and finalized with no revisions.</b></p>   |  |             |  |
| <p>The Skill based mini projects for various lab courses are listed below.</p>  |  |             |  |
| Skill Based Mini-Projects for I Semester students   |  |             |  |
| S.No.   | Course Name  | Course Code | Skill based mini-projects  |
| 1   | Architectural Design I   | 210112      | Making functional objects using elements of design based on design brief                     |
| 2   | Workshop I   | 210117      | Making tensile structures exploring various materials  |
| Skill Based Mini-Projects for II Semester students  |  |             |  |
| S.No.   | Course Name  | Course Code | Skill based mini-projects  |
| 1   | Architectural Design II  | 210211      | Conducting Anthropometric study of live models   |
| 2   | Building construction I  | 210212      | Making simple forms of brick (types of walls/Joints/Jaali Pattern, etc.)                     |
| 3   | Graphics II  | 210213      | Sciography captured through photography of buildings   |
| 4   | Workshop II  | 210217      | Product Design through Carpentry   |
| <p><i>Annexure - 1 (Syllabus of the Courses), Annexure - 2 (Scheme of the Courses)</i><br/>                 ■ Annexure 1_B.Arch I, II, IV, VI, VIII. X Semester_BOS Dec 2022 Approved Syllabus_14.12.2022.doc...<br/>                 ■ Annexure 2_B.Arch I, II, IV, VI, VIII. X Semester_BOS Dec 2022 Approved Scheme_14.12.2022.pdf</p> |  |             |  |
| Item<br>14  | <p>To review the CO attainments, to identify gaps and to suggest corrective measures for the improvement in the CO attainment levels for Jan-June 2022.</p>  |             |  |
| <p>List of subjects and their CO whose target levels are not achieved</p>   |  |             |  |

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| (Session Jan - June, 2022)   |  |   |  |   |   |
|--|--|---|--|---|---|
| Semester   | Subject Name   | CO attainment (Target not Achieved)   | Action Taken   |   |   |
| Semester - IV  | Building Construction - III (210415)   | CO 3, CO 5  | <ul style="list-style-type: none"> <li>Better attainment of these CO can be achieved by improving their weightage in question paper..</li> <li>Additional Classes which will focused on specific CO.</li> <li>More tutorials.</li> <li>Solutions of previous year question papers.</li> <li>Additional classes by expert</li> <li>Take care of CO distribution during question paper setting.</li> </ul> |   |   |
| Semester - VI  | Housing (210611)   | CO 3  |  |   |   |
|  | Site Plan. & Landscaping (210608)  | CO 4  |  |   |   |
| <p>Annexure - 4 (CO attainment Report)</p> <p>■ Annexure 4_Jan-June 2022_CO Attainments.doex (1).pdf</p> |  |   |  |   |   |
| Item 15  | <p>To review curricula feedback from various stakeholders, its analysis and impact<br/>{Stakeholder feedback analysis must also contain an action taken report (ATR) and the details/data of the stakeholder who have responded through GOOGLE form (such as Name, organization, mail id, phone no if available) must also be shared along with the feedback for the alumni/employer.}</p> |   |  |   |   |
|  | Stakeholder  | Student   | Faculty  | Alumni  | Employer  |
|  | No. of responses   | 76  | 07   | 13  | 25  |
|  | Link of Analysis   | <a href="https://drive.google.com/file/d/1LPOz9WHovR7DWO91k_uHZ_5fXHE5pDTn/view?usp=share_link">https://drive.google.com/file/d/1LPOz9WHovR7DWO91k_uHZ_5fXHE5pDTn/view?usp=share_link</a>   | <a href="https://docs.google.com/document/d/1hgARMSapmXwpWD0MoyamaRnDEEnzb5D6m/edit?usp=sharing&amp;oid=103625777585879822478&amp;rtopof=true&amp;sd=true">https://docs.google.com/document/d/1hgARMSapmXwpWD0MoyamaRnDEEnzb5D6m/edit?usp=sharing&amp;oid=103625777585879822478&amp;rtopof=true&amp;sd=true</a>  |   |   |
|  | ATR Link   | <a href="https://docs.google.com/document/d/1hgARMSapmXwpWD0MoyamaRnDEEnzb5D6m/edit?usp=sharing&amp;oid=103625777585879822478&amp;rtopof=true&amp;sd=true">https://docs.google.com/document/d/1hgARMSapmXwpWD0MoyamaRnDEEnzb5D6m/edit?usp=sharing&amp;oid=103625777585879822478&amp;rtopof=true&amp;sd=true</a> |  |   |   |
|  | Link showing Excel sheet of Google Form details of stakeholders  | <a href="https://drive.google.com/drive/folders/1AWw9WAAt_Hh9jTS97L53NmsHrwzppjDm?usp=sharing">https://drive.google.com/drive/folders/1AWw9WAAt_Hh9jTS97L53NmsHrwzppjDm?usp=sharing</a>   | <a href="https://docs.google.com/spreadsheets/d/1bs-rmL5xDfMiaFMO1QW18RlafMILkTj/edit?usp=sharing&amp;oid=103625777585879822478&amp;rtopof=true&amp;sd=true">https://docs.google.com/spreadsheets/d/1bs-rmL5xDfMiaFMO1QW18RlafMILkTj/edit?usp=sharing&amp;oid=103625777585879822478&amp;rtopof=true&amp;sd=true</a>  | <a href="https://docs.google.com/spreadsheets/d/1hRjdBExQB6WcFbibrvGZdE8wOIMTbRby/edit?usp=sharing&amp;oid=103794285711482402565&amp;rtopof=true&amp;sd=true">https://docs.google.com/spreadsheets/d/1hRjdBExQB6WcFbibrvGZdE8wOIMTbRby/edit?usp=sharing&amp;oid=103794285711482402565&amp;rtopof=true&amp;sd=true</a> | <a href="https://docs.google.com/spreadsheets/d/18xwzu5WpP_w0_pDZzbwn8z8Uhh1gam4521xNfBbRVBuc/edit?usp=sharing">https://docs.google.com/spreadsheets/d/18xwzu5WpP_w0_pDZzbwn8z8Uhh1gam4521xNfBbRVBuc/edit?usp=sharing</a> |
| Item 16  | <p>To review Course Outcomes (COs) feedback of various courses, its analysis and impact<br/>CO feedback reviewed.</p>  |   |  |   |   |

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|              | Impact of CO feedback of various courses reviewed and analyzed.<br><i>Annexure - 4 (CO Feedback Analysis Report)</i>   |   |  |                              |          |                        |          |                                  |    |                |     |             |        |                          |      |             |               |             |                          |                |   |             |      |   |   |   |               |               |                              |          |                                  |   |        |              |       |   |   |   |     |     |  |     |    |   |   |     |   |   |        |                          |        |   |   |   |    |    |  |    |   |   |   |   |   |   |   |   |      |   |   |   |   |   |    |    |     |   |   |   |   |              |  |  |  |  |  |  |     |     |    |    |     |    |   |    |    |         |          |              |          |        |   |             |        |                                   |                  |  |  |        |                         |  |  |  |        |                                |  |  |  |        |  |  |
|--------------|--|---|--|------------------------------|----------|------------------------|----------|----------------------------------|----|----------------|-----|-------------|--------|--------------------------|------|-------------|---------------|-------------|--------------------------|----------------|---|-------------|------|---|---|---|---------------|---------------|------------------------------|----------|----------------------------------|---|--------|--------------|-------|---|---|---|-----|-----|--|-----|----|---|---|-----|---|---|--------|--------------------------|--------|---|---|---|----|----|--|----|---|---|---|---|---|---|---|---|------|---|---|---|---|---|----|----|-----|---|---|---|---|--------------|--|--|--|--|--|--|-----|-----|----|----|-----|----|---|----|----|---------|----------|--------------|----------|--------|---|-------------|--------|-----------------------------------|------------------|--|--|--------|-------------------------|--|--|--|--------|--------------------------------|--|--|--|--------|--|--|
| Item 17      | <p>Any other matter</p> <ul style="list-style-type: none"> <li>• <b>Courses focusing on employability/entrepreneurship/ skill development in II, IV, VI &amp; VIII Semester</b> <ol style="list-style-type: none"> <li>1. Graphics II (210213)</li> <li>2. Workshop II (210217)</li> <li>3. Housing (210611)</li> <li>4. Design Thinking in Architecture (210619)</li> <li>5. Strategies for Sustainable Design (210651)</li> <li>6. Environmental Impact Assessment (210652)</li> <li>7. Urban Planning Services (210653)</li> <li>8. Professional Practice &amp; Ethics (210803)</li> <li>9. Interior Architecture &amp; Space Planning (210817)</li> <li>10. Sustainable interventions in historic Buildings (210814)</li> <li>11. Strategies for Sustainable Design (211051)</li> <li>12. Urban Planning Services (211052)</li> <li>13. Geographic Information Systems (211053)</li> <li>14. An Introduction to Artificial Intelligence (211054)</li> <li>15. Planning Principles And Theory (670111)</li> <li>16. Socio-Economic Basis For Planning (670102)</li> <li>17. Planning Technique (670103)</li> <li>18. Infrastructure And Transportation Planning (670104)</li> <li>19. Housing (670115)</li> <li>20. Studio Course-I Gis Lab (670106)</li> <li>21. Studio Course-II Local Level Or Sub-City Level Plan (670107)</li> <li>22. City And Metropolitan Planning (670211)</li> <li>23. Design Of Human Settlement (670212)</li> <li>24. Urban Development Finance &amp; Project Planning (670203)</li> <li>25. Statistics And Population Studies (670214)</li> <li>26. Elective - I -Urban Heritage Conservation (670215)</li> <li>27. Elective - I -Governance And Management In Planning (670216)</li> <li>28. Seminar/Self Study (Research Methodology/ Report Writing) (670217)</li> <li>29. Studio-I City Level Planning (670206)</li> <li>30. Dissertation (670401)</li> </ol> </li> <li>• <b>Scheme of X Semester</b> <p style="text-align: center;">Architecture &amp; Planning Department<br/>Bachelor of Architecture, Fifth Year, X Semester <span style="float: right;">For 2018 batch</span></p> <table border="1"> <thead> <tr> <th rowspan="3">S.N e.</th> <th rowspan="3">Subject Code</th> <th rowspan="3">Subject Name &amp; Title</th> <th rowspan="3">Category</th> <th colspan="4">Maximum Marks Allotted</th> <th colspan="2">MOOC</th> <th rowspan="3">Total Marks</th> <th rowspan="3">CT HRS</th> <th colspan="3">Contact Periods per week</th> <th rowspan="3">Total Credits</th> </tr> <tr> <th colspan="2">Theory Slot</th> <th colspan="2">Practical Slot</th> <th rowspan="2">Assignm ent</th> <th rowspan="2">Exam</th> <th rowspan="2">L</th> <th rowspan="2">T</th> <th rowspan="2">P</th> </tr> <tr> <th>End Sem</th> <th>Mid Sem. Exam</th> <th>Quiz/ Assignment / Sessional</th> <th>End Sem.</th> <th>Term Work / Lab Work &amp; Sessional</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>210001</td> <td>Team Project</td> <td>DC-13</td> <td>-</td> <td>-</td> <td>-</td> <td>400</td> <td>200</td> <td></td> <td>400</td> <td>16</td> <td>-</td> <td>-</td> <td>16*</td> <td>1</td> </tr> <tr> <td>2</td> <td>210002</td> <td>Professional Development</td> <td>SEC-12</td> <td>-</td> <td>-</td> <td>-</td> <td>20</td> <td>20</td> <td></td> <td>20</td> <td>2</td> <td>-</td> <td>-</td> <td>2</td> <td>1</td> </tr> <tr> <td>3</td> <td>-</td> <td>ELECTIVE-7B (SWAYAM/NPTEL/ MOOC COURSE)</td> <td>DE-7</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>20</td> <td>70</td> <td>200</td> <td>-</td> <td>-</td> <td>8</td> <td>3</td> </tr> <tr> <td colspan="4"><b>Total</b></td> <td></td> <td></td> <td></td> <td>420</td> <td>280</td> <td>20</td> <td>70</td> <td>600</td> <td>18</td> <td>-</td> <td>22</td> <td>24</td> </tr> </tbody> </table> <br/> <table border="1"> <thead> <tr> <th>Sl. No.</th> <th>Elective</th> <th>Sl. No. code</th> <th>Sub Name</th> <th>Remark</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>ELECTIVE-7B</td> <td>210001</td> <td>Strategies for Sustainable Design</td> <td>Opted from NPTEL</td> </tr> <tr> <td></td> <td></td> <td>210002</td> <td>Urban Services Planning</td> <td></td> </tr> <tr> <td></td> <td></td> <td>210003</td> <td>Geographic Information Systems</td> <td></td> </tr> <tr> <td></td> <td></td> <td>210004</td> <td>An Introduction to Artificial Intelligence</td> <td></td> </tr> </tbody> </table> </li> </ul> <p>The DE courses to opted from platforms such as NPTEL/SWAYAM/MOOC are listed below.<br/>Departmental Elective - 7 (DE-7) Courses opted From SWAYAM/NPTEL/MOOC Platforms</p> | S.N e.                                  | Subject Code                               | Subject Name & Title         | Category | Maximum Marks Allotted |          |                                  |    | MOOC           |     | Total Marks | CT HRS | Contact Periods per week |      |             | Total Credits | Theory Slot |                          | Practical Slot |   | Assignm ent | Exam | L | T | P | End Sem       | Mid Sem. Exam | Quiz/ Assignment / Sessional | End Sem. | Term Work / Lab Work & Sessional | 1 | 210001 | Team Project | DC-13 | - | - | - | 400 | 200 |  | 400 | 16 | - | - | 16* | 1 | 2 | 210002 | Professional Development | SEC-12 | - | - | - | 20 | 20 |  | 20 | 2 | - | - | 2 | 1 | 3 | - | ELECTIVE-7B (SWAYAM/NPTEL/ MOOC COURSE) | DE-7 | - | - | - | - | - | 20 | 70 | 200 | - | - | 8 | 3 | <b>Total</b> |  |  |  |  |  |  | 420 | 280 | 20 | 70 | 600 | 18 | - | 22 | 24 | Sl. No. | Elective | Sl. No. code | Sub Name | Remark | 1 | ELECTIVE-7B | 210001 | Strategies for Sustainable Design | Opted from NPTEL |  |  | 210002 | Urban Services Planning |  |  |  | 210003 | Geographic Information Systems |  |  |  | 210004 | An Introduction to Artificial Intelligence |  |
| S.N e.       | Subject Code   |   |  |                              |          | Subject Name & Title   | Category | Maximum Marks Allotted           |    |                |     |             |        | MOOC                     |      | Total Marks |               | CT HRS      | Contact Periods per week |                |   |             |      |   |   |   | Total Credits |               |                              |          |                                  |   |        |              |       |   |   |   |     |     |  |     |    |   |   |     |   |   |        |                          |        |   |   |   |    |    |  |    |   |   |   |   |   |   |   |   |      |   |   |   |   |   |    |    |     |   |   |   |   |              |  |  |  |  |  |  |     |     |    |    |     |    |   |    |    |         |          |              |          |        |   |             |        |                                   |                  |  |  |        |                         |  |  |  |        |                                |  |  |  |        |  |  |
|              |  |   |  |                              |          |                        |          | Theory Slot                      |    | Practical Slot |     |             |        | Assignm ent              | Exam |             |               |             | L                        | T              | P |             |      |   |   |   |               |               |                              |          |                                  |   |        |              |       |   |   |   |     |     |  |     |    |   |   |     |   |   |        |                          |        |   |   |   |    |    |  |    |   |   |   |   |   |   |   |   |      |   |   |   |   |   |    |    |     |   |   |   |   |              |  |  |  |  |  |  |     |     |    |    |     |    |   |    |    |         |          |              |          |        |   |             |        |                                   |                  |  |  |        |                         |  |  |  |        |                                |  |  |  |        |  |  |
|              |  | End Sem                                 | Mid Sem. Exam                              | Quiz/ Assignment / Sessional | End Sem. |                        |          | Term Work / Lab Work & Sessional |    |                |     |             |        |                          |      |             |               |             |                          |                |   |             |      |   |   |   |               |               |                              |          |                                  |   |        |              |       |   |   |   |     |     |  |     |    |   |   |     |   |   |        |                          |        |   |   |   |    |    |  |    |   |   |   |   |   |   |   |   |      |   |   |   |   |   |    |    |     |   |   |   |   |              |  |  |  |  |  |  |     |     |    |    |     |    |   |    |    |         |          |              |          |        |   |             |        |                                   |                  |  |  |        |                         |  |  |  |        |                                |  |  |  |        |  |  |
| 1            | 210001   | Team Project                            | DC-13                                      | -                            | -        | -                      | 400      | 200                              |    | 400            | 16  | -           | -      | 16*                      | 1    |             |               |             |                          |                |   |             |      |   |   |   |               |               |                              |          |                                  |   |        |              |       |   |   |   |     |     |  |     |    |   |   |     |   |   |        |                          |        |   |   |   |    |    |  |    |   |   |   |   |   |   |   |   |      |   |   |   |   |   |    |    |     |   |   |   |   |              |  |  |  |  |  |  |     |     |    |    |     |    |   |    |    |         |          |              |          |        |   |             |        |                                   |                  |  |  |        |                         |  |  |  |        |                                |  |  |  |        |  |  |
| 2            | 210002   | Professional Development                | SEC-12                                     | -                            | -        | -                      | 20       | 20                               |    | 20             | 2   | -           | -      | 2                        | 1    |             |               |             |                          |                |   |             |      |   |   |   |               |               |                              |          |                                  |   |        |              |       |   |   |   |     |     |  |     |    |   |   |     |   |   |        |                          |        |   |   |   |    |    |  |    |   |   |   |   |   |   |   |   |      |   |   |   |   |   |    |    |     |   |   |   |   |              |  |  |  |  |  |  |     |     |    |    |     |    |   |    |    |         |          |              |          |        |   |             |        |                                   |                  |  |  |        |                         |  |  |  |        |                                |  |  |  |        |  |  |
| 3            | -  | ELECTIVE-7B (SWAYAM/NPTEL/ MOOC COURSE) | DE-7                                       | -                            | -        | -                      | -        | -                                | 20 | 70             | 200 | -           | -      | 8                        | 3    |             |               |             |                          |                |   |             |      |   |   |   |               |               |                              |          |                                  |   |        |              |       |   |   |   |     |     |  |     |    |   |   |     |   |   |        |                          |        |   |   |   |    |    |  |    |   |   |   |   |   |   |   |   |      |   |   |   |   |   |    |    |     |   |   |   |   |              |  |  |  |  |  |  |     |     |    |    |     |    |   |    |    |         |          |              |          |        |   |             |        |                                   |                  |  |  |        |                         |  |  |  |        |                                |  |  |  |        |  |  |
| <b>Total</b> |  |   |  |                              |          |                        | 420      | 280                              | 20 | 70             | 600 | 18          | -      | 22                       | 24   |             |               |             |                          |                |   |             |      |   |   |   |               |               |                              |          |                                  |   |        |              |       |   |   |   |     |     |  |     |    |   |   |     |   |   |        |                          |        |   |   |   |    |    |  |    |   |   |   |   |   |   |   |   |      |   |   |   |   |   |    |    |     |   |   |   |   |              |  |  |  |  |  |  |     |     |    |    |     |    |   |    |    |         |          |              |          |        |   |             |        |                                   |                  |  |  |        |                         |  |  |  |        |                                |  |  |  |        |  |  |
| Sl. No.      | Elective   | Sl. No. code                            | Sub Name                                   | Remark                       |          |                        |          |                                  |    |                |     |             |        |                          |      |             |               |             |                          |                |   |             |      |   |   |   |               |               |                              |          |                                  |   |        |              |       |   |   |   |     |     |  |     |    |   |   |     |   |   |        |                          |        |   |   |   |    |    |  |    |   |   |   |   |   |   |   |   |      |   |   |   |   |   |    |    |     |   |   |   |   |              |  |  |  |  |  |  |     |     |    |    |     |    |   |    |    |         |          |              |          |        |   |             |        |                                   |                  |  |  |        |                         |  |  |  |        |                                |  |  |  |        |  |  |
| 1            | ELECTIVE-7B  | 210001                                  | Strategies for Sustainable Design          | Opted from NPTEL             |          |                        |          |                                  |    |                |     |             |        |                          |      |             |               |             |                          |                |   |             |      |   |   |   |               |               |                              |          |                                  |   |        |              |       |   |   |   |     |     |  |     |    |   |   |     |   |   |        |                          |        |   |   |   |    |    |  |    |   |   |   |   |   |   |   |   |      |   |   |   |   |   |    |    |     |   |   |   |   |              |  |  |  |  |  |  |     |     |    |    |     |    |   |    |    |         |          |              |          |        |   |             |        |                                   |                  |  |  |        |                         |  |  |  |        |                                |  |  |  |        |  |  |
|              |  | 210002                                  | Urban Services Planning                    |                              |          |                        |          |                                  |    |                |     |             |        |                          |      |             |               |             |                          |                |   |             |      |   |   |   |               |               |                              |          |                                  |   |        |              |       |   |   |   |     |     |  |     |    |   |   |     |   |   |        |                          |        |   |   |   |    |    |  |    |   |   |   |   |   |   |   |   |      |   |   |   |   |   |    |    |     |   |   |   |   |              |  |  |  |  |  |  |     |     |    |    |     |    |   |    |    |         |          |              |          |        |   |             |        |                                   |                  |  |  |        |                         |  |  |  |        |                                |  |  |  |        |  |  |
|              |  | 210003                                  | Geographic Information Systems             |                              |          |                        |          |                                  |    |                |     |             |        |                          |      |             |               |             |                          |                |   |             |      |   |   |   |               |               |                              |          |                                  |   |        |              |       |   |   |   |     |     |  |     |    |   |   |     |   |   |        |                          |        |   |   |   |    |    |  |    |   |   |   |   |   |   |   |   |      |   |   |   |   |   |    |    |     |   |   |   |   |              |  |  |  |  |  |  |     |     |    |    |     |    |   |    |    |         |          |              |          |        |   |             |        |                                   |                  |  |  |        |                         |  |  |  |        |                                |  |  |  |        |  |  |
|              |  | 210004                                  | An Introduction to Artificial Intelligence |                              |          |                        |          |                                  |    |                |     |             |        |                          |      |             |               |             |                          |                |   |             |      |   |   |   |               |               |                              |          |                                  |   |        |              |       |   |   |   |     |     |  |     |    |   |   |     |   |   |        |                          |        |   |   |   |    |    |  |    |   |   |   |   |   |   |   |   |      |   |   |   |   |   |    |    |     |   |   |   |   |              |  |  |  |  |  |  |     |     |    |    |     |    |   |    |    |         |          |              |          |        |   |             |        |                                   |                  |  |  |        |                         |  |  |  |        |                                |  |  |  |        |  |  |

# MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

| S.No. | Course Name                                | Course Code |
|-------|--|-------------|
| 1     | Strategies for Sustainable Design          | 211051      |
| 2     | Urban Services Planning                    | 211052      |
| 3     | Geographic Information Systems             | 211053      |
| 4     | An Introduction to Artificial Intelligence | 211054      |

*Annexure - 3 (Weekwise Modules of the Courses proposed)*

■ [Annexure 3\\_NPTEL Courses Jan-June 2023.pdf](#)

*Annexure - 1 (Syllabus of the Courses), Annexure - 2 (Scheme of the Courses)*

■ [Annexure 1\\_B.Arch I, II, IV, VI, VIII. X Semester\\_BOS Dec 2022 Approved Syllabus\\_14.12.2022.doc...](#)

■ [Annexure 2\\_B.Arch I, II, IV, VI, VIII. X Semester\\_BOS Dec 2022 Approved Scheme\\_14.12.2022.pdf](#)

- **Proposed SIP I Modules for III Semester Students**

| COURSE MODULE FOR SUMMER INTERNSHIP PROJECT<br>(TO BE HELD AFTER 2ND SEMESTER) |                          |             |  |
|--|--------------------------|-------------|--|
| S.No.  | Module Name              | Module Code | About  |
| 1  | Heritage Cities (SIP 1)  | AR0323S1    | Students understand the relationship of Heritage and Cities, the experience the places, artifacts and activities that authentically represent the stories and people of the past" and Heritage. These places or buildings are thought to: have special importance for everyone and the students will be able to identify them. |
| 2  | Graphic Thinking (SIP 2) | AR0323S2    | Students learn the process for solving problems by prioritizing the consumer's needs above all else with observing, with empathy and employing an iterative, hands-on approach to creating innovative solutions.   |
| 3  | Digital Painting (SIP 3) | AR0323S3    | Students learn traditional painting techniques such as watercolor, oils, impasto, etc., are applied using digital tools by means of a computer, a graphics tablet and software.  |

- **Changes proposed in the Scheme of MUP**

*The scheme of three semesters of MUP is proposed to be revised as per ITPI guidelines.*

*Annexure - 2 (Scheme of the Course)*

■ [Annexure 2\\_B.Arch I, II, IV, VI, VIII. X Semester\\_BOS Dec 2022 Approved Scheme\\_14.12.2022.pdf](#)

[Previous MUP Scheme](#)



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# MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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**Dr. A. S. Patil**  
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Architecture MITS, Gwalior

*(Present)*  
**Dr. Abhijit Lokre,**  
Co - founder the Urban Lab  
Ahmedabad, Gujarat

*(Present)*  
**Dr. Soma Anil Mishra,**  
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*(W)*

*Shukla*