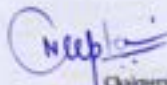
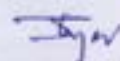




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Shri Vaishnav institute of Architecture
Choice Based Credit System (CBCS) Scheme in the light of NEP-2020 by COA
B. ARCH (2021-22)


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VISION	
	Excellence in design education enables sustainable endeavors for societal well-being with leadership
MISSION	
i.	Develop core competencies of design and professionalism to address societal and environmental concerns.
ii.	Enable experiential learning and community engagement to create inclusive and sustainable design.
iii.	Provide an international platform for interdisciplinary learning and collaborative research

Barch Curriculum-2021

Preface: About the Institute

To provide meaningful architecture is not to parody history but to articulate it - Daniel Libeskind

Shri Vaishnav Institute of Architecture is a new school of architecture in Madhya Pradesh. It is also the most vigorous. In addition to architecture, the school has foresight over the years to embrace a broader range of fields that address and improve human environments, including planning and the arts.

Good education is so important, we need to look at the way people are taught, it is not just about qualifications to get a job, it's about being educated

- Zaha Hadid

What binds these fields together?

- is a strong commitment to the deployment of technology toward social good
- The use of design and deliberation approaches towards action that is distinct from but complementary to the engineering approach to problem-solving.
- The shared belief in heightening the aesthetic attributes of our lived experience.

While advocating the forward-looking, technologically-driven optimism of SVIA, the school shall also invest in critically reflecting on technological innovation, its social impact, and its confrontation with cultural values.

The school is fully committed to **the mission of leadership**. The tradition of innovation has begun and shall be taken ahead with its faculty and students striving to articulate its mission and show the way.

The school's abundance of resources stems primarily from the Institute's full endorsement and support of the university's vision. These resources include an unmatched concentration of talent among its faculty and staff, a wealth of state-of-the-art facilities, and generous financial support that shall enable the students to experiment, innovate and take risks.

While this "SVIA model" is new we shall seek to constantly test it and renew it. SVIA shall be involved in inventing the future. The new department of architecture in the institute exists within a context deeply committed to the advancement of knowledge through scholarship, research, and innovation. There are even fewer operating in a place with as pressing a sense of responsibility to "bring this knowledge to bear on the world's great challenges". The Department of Architecture at SVVV is truly unique among architecture programs in its commitment to creating a culture of experimentation **to expand the discipline and change the world**.

At SVIA, processes, and acts of design, research, testing, and experimentation are intertwined and grounded in critical contemporary questions which require deep knowledge

Of the past and present as well as insights into the future. We enable and open up our student's understanding of the built environment as a cultural, technological, social, and

Ecological condition is one in which design is as critically focused on answering questions as it is on solving problems through intervening in the world.

The department offers an undergraduate degree program and an energetic and rich site to study the field. This structure presents research on the one hand and possibilities for integration on the other. It allows undergraduate students to learn, bringing a plurality of views and interests to the fore and fostering a culture of intense and productive debate.

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PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)	
I.	Graduates will exhibit competencies in professional engagements in the industry, government, academia, research, entrepreneurial pursuit, and consulting firms, and higher education by applying knowledge of architecture and allied fields.
II.	Graduates, guided by the principles of sustainable development and global interconnectedness, will understand how architectural projects affect society and environment contribute to society as broadly educated, expressive, ethical, and responsible citizens with proven expertise.
III.	Graduates will exhibit adaptability, flexibility, communication skills, team spirit, ethical conduct, achieve peer recognition; as an individual or in a team; through demonstration of good analytical, design and implementation skills and leadership qualities.
IV.	Graduates will engage in will thrive to pursue continuous life-long learning, career enhancement, pursuing higher education with critical thinking and interdisciplinary approach with changing global and local needs to fulfil their goals.

Architecture education must bridge theory and practice. As educators we need to lead, not follow.” - Karen Fairbanks, partner, marble Fairbanks

In the New Year, we shall launch several new initiatives to support experimentation collaborative teaching, and practice. We continue to strive to provide precise and rigorous architectural training, teaching students how to frame and test ideas and arguments through the design process, while also challenging them to pursue questions that push us all beyond our comfort zones.

Our goal, as a department, is to prepare our students not only with “best practices” but to find ways to transform the profession to meet future challenges.

The Mind without Educating the Heart Is No Education at All – Aristotle

The Bachelor of Architecture is a 5-year full-time course offered by SVIA.

The Bachelor of Architecture curriculum includes

- Integrated learning methodology
- Learning techniques such as block models, sketches, illustrations, and PBL.

Assessment

- Assignments and sessional (interactive and regular)
- Design reviews and display of marks break-up at regular intervals.

University Vision and mission

The revised curriculum for the Under-Graduate program of Architecture at SVIA, Indore is based on international and national best practices of education, institute charter, and faculty feedback. The curriculum is the first step towards ‘Outcome Based Education’ to bring substantial equivalency to the architectural education offered at the institute with international standards. To plan the substantial equivalency, each course is written with expected educational outcomes followed by details, so that it provides a clear outline of the academic experience received by the students and its compliance with acceptable standards and practices. To prepare the curriculum two faculty workshops were conducted to connect with Outcome Based Education and Learning Theories. Then there were several

faculty meetings to plan vertical progression and horizontal integration of subjects, pedagogical approach (distribution of skill, knowledge, and value), credit-based system, the relation of credit to contact hours, and expectations of Council of Architecture norms. Several national and international architectural curriculums were referred to make this. The process was led by a core committee from the department. The ten semesters of B.Arch. the program has 268 credits, and each semester has 28 credits based on 28 contact hours per semester students’ opportunities for Under-Graduate research, the curriculum has seminars that will help students explore their interests and connect with design. These seminars are so arranged that students get research training which finally culminates into a design thesis.

- All subjects have different components like L-lecture, T-tutorial, and Studio, and all are given equivalent credits as per the contact hours. These components are defined as below: Lecture (L) Lecture is a one-way mode of transferring information/ concepts/ theory to students, usually delivered by an instructor. To check the understanding of concepts, frequent tests and quizzes are supplemented with the lecture. Tutorial (T) for completing class assignments, and one-to-one practice sessions conducted by and with faculty member(s) are tutorials. Studio (S) Studios are sessions where students use various mediums and modes to define the real-life problem(s) and solution(s) for the same, individually or in a group.
- The curriculum includes professional training in the eight-semester. This is given equivalent credit compared to a regular semester, based on the professional training received in equivalent contact hours.
- The subject coding system adopted for the syllabus is as follows: -


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Graduate Attributes

1.	ARTS & CRAFT	o Basic Design; Architectural Graphic Skill
2.	ARCHITECTURE:	o Design; Humanities; History; Theory & Criticism
3.	SKILLS:	o Hand skills; Computer-based skills
4.	TECHNOLOGY:	o Building Materials; Construction; Technology; Services & Structure
5.	PRACTICE:	o Professional Practice, Office/field Training
6.	ENVIRONMENT:	o Environmental Science; Sustainability
7.	SUPPLEMENTARY:	o Related Study Program (RSP)/ Electives/ Communication Skills

- Every subject code has 4 Arabic numeric digits: - ARCH- XXX
- Each code starts with the semester number, i.e., 1 to 6 (STARTS FROM 1 TILL 10 AS 0 semester)
- Last two digits denote the subject number where even stands for studio/ practice-based subjects and odd number stands for theory-based subjects.

Graduate Attributes

- Equipped with professional architectural knowledge.; Competent in design and development.; Proficient in conducting site Investigation and analysis.; Good at Modern Technology Usage.; Emphases on Environment Sustainability concerns.; Ethical.; Efficient in coordination with consultants.; Good at communication.

Course Structure

Salient features of the B. Arch Program

- Architectural Design Learning is focused on spatial experiences and live case studies.
- Building Technology will provide hands-on learning through carpentry workshops, construction yards & site visits.
- In Architectural graphics, students will be trained in sketching, 3-D software, and various rendering techniques.
- Model-making workshop is a highlight of our program wherein students will work at various scales experimenting with different materials.
- In the state-of-the-art CAD Centre, students will simulate climatic data and structural systems.
- Art Room will facilitate the students to develop creative skills like painting, mural making, clay modelling, etc.

The matrix of Course structure having ten semesters is made up of the following "Areas" on the next page

Unique Features

The International framework of 21st-century skills is divided into three skill sets and twelve components laid out.

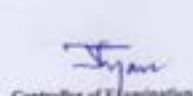
- **Skill Set 1:** Learning and Innovation with the components: Critical thinking and problem-solving, communication and collaboration, and creativity and innovation.
- **Skill Set 2:** Digital Literacies with the components: of information literacy, media literacy, and information and communication literacy.
- **Skill Set 3:** Life and Career Skills with the components: flexibility and adaptability, initiative and self-direction, social and cross-cultural interaction, productivity and accountability, and leadership and responsibility.
- The program follows a modern dynamic curriculum with a wide range of courses. A wide range of electives nurtures the interests of students. Students are encouraged to develop critical thinking.
- Hands-on practical experience is imparted through workshops. The scholarship is given to meritorious students. The Institute is equipped with a Material lab and climate Lab. The Institute has academically strong core faculties with diverse backgrounds. Expert lectures and seminars by professionals and academicians are regularly organized.

Programme Outcomes (Pos)

PO1	Architectural Knowledge:	Use what you've learned about art, different design styles from different places, and how things look in 2D and 3D. Also, think about how buildings are put together and how people act in them. Consider making things better in design, planning, and building, especially in cities and preserving old buildings. Combine all this with how art is done traditionally. Use it to create designs for buildings that look good, work well, and use the right methods. Make places
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Programme Outcomes (Pos)

Cognitive
 Analyze Critical Thinking/ Decision Making/ Analyze
 Learning/ Problem Solving/ Creative Problem Solving
 Learning/ Interpretation/ Self-Reflection/ Critical Thinking/ ICT
 Learning/ Communication/ Research/ Presentation

Interpersonal
 Analyze/ Interpret/ Appreciate/ Analyze/ Self
 Motivating/ Collaborate/ Learning/ Initiative
 Probability/ Ethics/ Professionalism/ Flexibility/ Self
 Evaluation/ Responsibility/ Leadership
 Performance/ Career Orientation

Intrapersonal
 Responsibility/ Social Behavior with
 Others/ Learning/ Initiative
 Communication/ Empathy/ Perspective/ Taking/ Team/ Self
 Presentation/ Goal Setting/ Conflict Resolution/ Service
 Orientation/ Negotiation/ Collaboration/ Researching
 Adaptability

		where people can live happily, and also keep in mind how it affects society and the environment.
PO2	human behaviour, diversity and being human-centric	Embracing Diversity in Design: Architects recognize diverse needs, beliefs, and abilities, including those of genders and LGBTQA+. They understand human behaviour and its interaction with the environment. In creating inclusive spaces, architects prioritize people's well-being and consider the impact of surroundings on behaviour. They design places for all, emphasizing inclusivity and uniqueness.
PO3	technical knowledge:	Master Building Materials, Techniques, and Safety: Architects grasp construction materials, techniques, and systems for safety and functionality. This includes environmental, structural, and life-safety systems. They understand material impacts on the environment and creatively explore architecture-related fields. Acoustics, lighting, climate control, and emergency measures are integrated into designs. Architects ensure safety through plumbing, electrical, and security systems, crafting eco-friendly and secure structures.
PO4	Problem analysis:	Architects Master Problem Solving and Technical Precision: Architects skillfully analyze complex problems, considering human behaviour and the environment's impact. They excel in research, drawing conclusions, and devising innovative solutions. With technical finesse, architects create precise drawings, and specifications, and incorporate research-based insights. They skillfully predict, design, and simulate outcomes, balancing qualitative and quantitative aspects.
PO5	Creating Solutions through Design/Development	Architects Ensure Functional, Inclusive, and Aesthetic Spaces: Architects master the art of problem-solving through design. They consider diverse human behaviours, connecting people with their surroundings. Using their expertise, architects create safe, eco-friendly structures by blending construction techniques and materials. They analyze sites, legal standards, and client needs to plan projects effectively. Learning from the past, architects innovate with creative solutions while following urban design and conservation principles to enhance cities. Ultimately, architecture creates inclusive, beautiful spaces that improve lives and honour the environment.
PO6	Utilizing Contemporary Tools	Identity, select and apply the appropriate tools to access, predict, design, and simulate qualitative and quantitative outcomes within limitations. Ability to assess, select, and conceptually integrate structural systems, building envelope systems, environmental systems, life-safety systems, and building service systems into building design.
PO7	Architects: Environment, Society & Sustainability Focus.	Architects & Society: Balancing Culture, Environment, and Responsibility : Architects play a pivotal role in society, preserving cultural heritage, understanding clients' needs, and addressing environmental and societal challenges. By combining artistic vision with practical design, architects create sustainable and aesthetically pleasing structures. They also uphold social and ethical responsibilities, ensuring the well-being of communities while embracing global trends. This holistic approach shapes a modern architect's role, enhancing both the built environment and people's lives.
PO8	Architectural Ethics and Legal Navigation.	Cultivating Ethical Architects and Global Professionals: Our architectural education instills ethical values and professional norms. Students develop critical thinking, and honing skills in planning, management, and regulations. With a focus on social responsibility, graduates excel individually and within teams, upholding ethical standards. They navigate architectural complexities, considering political and financial influences, and fostering informed decision-making. Practical facets encompass organizational principles, risk management, and legal insights. Our program shapes architects who seamlessly integrate ethics into their professional journey, making a positive global impact.

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Programme Outcomes (Pos)

PO9	Solo-Team Balance: Navigating Collaboration	Architects: Adapting and Leading Across Fields: Architects excel as adaptable individuals and leaders within diverse interdisciplinary environments. They proficiently handle tasks such as commission acquisition, contract negotiation, personnel management, and consultant selection. Understanding the value of internships for licensure, architects harmonize intern-employer dynamics. Their versatile expertise empowers architects to effectively navigate and lead in varied roles and collaborative settings.
PO10	Effective Architectural Communication	Architectural Responsibility: Architects excel in conveying complex ideas visually and verbally, ensuring effective discourse with clients, peers, and the wider community. Connecting Education and Practice: Architectural education and practice embody a commitment to societal well-being. This includes applying professional principles in multidisciplinary settings, effective Communication, understanding client needs, and fostering self-awareness and higher aspirations. Exploring the Industry-Institute Interface enhances industry comprehension. Ultimately, architects are equipped to contribute meaningfully to society through their technical competence and ethical values.
PO11	Project management and finance:	Demonstrate knowledge and understanding of professional and management principles to apply to one's work, as a member and a leader, to manage projects in multidisciplinary environments. Project financing and management: To understand the nuances of project financing, project management, cost control, and methods of project delivery Construction Cost Control: Understanding of the fundamentals of building cost, life-cycle cost, and construction estimating.
PO12	Lifelong Learning Journey	Continual Learning: Embracing Tradition and Global Practice: Architects understand local contexts and global architectural traditions. Lifelong learning is integral, empowering architects to adapt to change, set goals, and develop independently throughout their careers. This prepares them for impactful contributions post-graduation.

BASIC COURSE MATRIX FOR FIVE YEARS: 10 Semesters/ 268Credits

BASIC COURSE MATRIX FOR FIVE YEARS: 10 SEMESTERS/ 268 CREDITS

SEMESTER	COURSE NAME	CREDITS	SEMESTER										BASIC PREREQUISITES									
			I SEM		II SEM		III SEM		IV SEM		V SEM		VI SEM		VII SEM		VIII SEM		IX SEM		X SEM	
			1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2		
SEMESTER I	1. ARCHITECTURE HISTORY	3																				
	2. ARCHITECTURE THEORY	3																				
	3. ARCHITECTURE DRAWING	3																				
SEMESTER II	1. ARCHITECTURE HISTORY	3																				
	2. ARCHITECTURE THEORY	3																				
	3. ARCHITECTURE DRAWING	3																				
SEMESTER III	1. ARCHITECTURE HISTORY	3																				
	2. ARCHITECTURE THEORY	3																				
	3. ARCHITECTURE DRAWING	3																				
SEMESTER IV	1. ARCHITECTURE HISTORY	3																				
	2. ARCHITECTURE THEORY	3																				
	3. ARCHITECTURE DRAWING	3																				
SEMESTER V	1. ARCHITECTURE HISTORY	3																				
	2. ARCHITECTURE THEORY	3																				
	3. ARCHITECTURE DRAWING	3																				
SEMESTER VI	1. ARCHITECTURE HISTORY	3																				
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	3. ARCHITECTURE DRAWING	3																				
SEMESTER VII	1. ARCHITECTURE HISTORY	3																				
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	3. ARCHITECTURE DRAWING	3																				
SEMESTER VIII	1. ARCHITECTURE HISTORY	3																				
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	3. ARCHITECTURE DRAWING	3																				
SEMESTER IX	1. ARCHITECTURE HISTORY	3																				
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	3. ARCHITECTURE DRAWING	3																				
SEMESTER X	1. ARCHITECTURE HISTORY	3																				
	2. ARCHITECTURE THEORY	3																				
	3. ARCHITECTURE DRAWING	3																				

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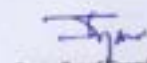
Attendance Penalties For This Course*

Attendance Penalties For This Course*

- 1 absence from a workshop = 1 point off the course's final grade
 - 1 absence from work (internship placement) = 1 point off the course's final grade
 - more than 3 unexcused absences = f for the course
 - unsubmitted written work* = f (0 points) for the assignment in question
 - work handed in late = 1 point off the assignment per day
 - unsubmitted midterm evaluation = 2 points off the course's final grade
 - poorly filled out midterm evaluation = 1 point off the course's final grade
 - plagiarism = f (0 points) for the assignment in question
- * past Friday - week 15 (11:59 pm), no written work will be accepted (grade for the assignment = 0).


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