



Celebrating 50 Years of Excellence

Symbiosis School of Planning, Architecture and Design, Nagpur
Bachelor of Architecture
Programme Structure 2021-26

1.	OBJECTIVE	To train design professionals who are innovative, creative for the environmental context, sensitive to social responsibilities to develop built environs that are lively, safe and with an identify of their own.					
2.	DURATION (IN MONTHS)	60 (Full Time)					
3.	INTAKE	40					
4.	RESERVATION	I. Within the sanctioned intake	a) SC (In Percentage)	b) ST (In Percentage)	c) Differently abled (In Percentage)	d) Domicile of Nagpur (In Percentage)	e) International Students (In Percentage)
			15	7.5	3	25 (Includes i. Scheduled Caste (percentage) - 15 ii. Scheduled Tribes (percentage) - 7.5 iii. Differently Abled (percentage) - 3)	15
		II. Over and above the sanctioned intake	a) Kashmiri Migrants (In Seats)				
			2				
5.	ELIGIBILITY	<p>a) No candidate shall be admitted to architecture course unless she/he has passed an examination at the end of the 10+2 scheme of examination with Physics, Chemistry and Mathematics subjects OR passed 10+3 Diploma examination with Mathematics as compulsory subject.</p> <p>b) The candidate needs to qualify an Aptitude Test in Architecture conducted by the Council complying with the admission norms prescribed in Appendix-D</p>					
6.	SELECTION PROCEDURE	<p>1. Qualify in NATA - 50%</p> <p>2. Qualifying examination i.e. 10+2 OR 10+3 years Diploma recognized by the Central / State governments OR IB Diploma OR equivalent- 50%</p>					
7.	MEDIUM OF INSTRUCTION	English					
8.	PROGRAMME	Semester					



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PATTERN					
9.	COURSE & SPECIALIZATION	As per Annexure A			
10.	FEE		Academic Fee p.a	Institute Deposit	Total
	Indian Students	Other than Nagpur Domicile	300000	20000	320000
		Nagpur Domicile	255000	20000	275000
	International Students (USD equivalent to INR)		450000	20000	470000

11.	ASSESSMENT	All external courses would have 40% Internal Component {Continuous Evaluation (CA)} & 60 % External Component {End Semester Evaluation (ESE)}. All Internal courses will have 100 % component as internal evaluation at the Institute level. Internal Assessment of Sessional work shall be done periodically for all courses during a semester, in addition to the end-of-semester evaluation.																																								
12.	STANDARD OF PASSING	The pass percentage shall not be less than 50% in each course. Independent Passing under each Head (CA and ESE) is necessary for all the courses. A candidate shall not be permitted to enroll for the tenth semester Architectural Design Thesis/ dissertation/project course unless he/ she has successfully completed Practical Training/ Internship.																																								
		<p>Grading Scale</p> <table border="1"> <thead> <tr> <th>Grade</th> <th>Marks</th> <th>Grade Point</th> <th>Class</th> </tr> </thead> <tbody> <tr> <td>P</td> <td>50 - 54.99</td> <td>5.75</td> <td>Pass Class</td> </tr> <tr> <td>D</td> <td>55 - 59.99</td> <td>6.25</td> <td>Second Class</td> </tr> <tr> <td>C</td> <td>60 - 64.99</td> <td>6.75</td> <td>Higher Second Class</td> </tr> <tr> <td>C+</td> <td>65 - 69.99</td> <td>7.25</td> <td>First Class</td> </tr> <tr> <td>B</td> <td>70 - 74.99</td> <td>7.75</td> <td>First Class</td> </tr> <tr> <td>B+</td> <td>75 - 79.99</td> <td>8.25</td> <td>First Class</td> </tr> <tr> <td>A</td> <td>80 - 84.99</td> <td>8.75</td> <td>First Class with Distinction</td> </tr> <tr> <td>A+</td> <td>85 - 89.99</td> <td>9.25</td> <td>First Class with Distinction</td> </tr> <tr> <td>O</td> <td>90 and above</td> <td>9.75</td> <td>First Class with Distinction</td> </tr> </tbody> </table>	Grade	Marks	Grade Point	Class	P	50 - 54.99	5.75	Pass Class	D	55 - 59.99	6.25	Second Class	C	60 - 64.99	6.75	Higher Second Class	C+	65 - 69.99	7.25	First Class	B	70 - 74.99	7.75	First Class	B+	75 - 79.99	8.25	First Class	A	80 - 84.99	8.75	First Class with Distinction	A+	85 - 89.99	9.25	First Class with Distinction	O	90 and above	9.75	First Class with Distinction
Grade	Marks	Grade Point	Class																																							
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13.	AWARD OF DEGREE/ DIPLOMA/ CERTIFICATE	Bachelor of Architecture (B. Arch.) will be awarded at the end of semester X examination by taking into consideration the performance of all semester examinations, upon completion of the minimum requirements of the programme by obtaining 5.0 CGPA out of 10 CGPA. (Refer: Minimum Standards of Architectural Education, 2017 prescribed under section 21 of the Architects Act, 1972)
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14. NATURE WISE DISTRIBUTION OF CREDITS							
Semester	Generic Core	Generic Elective	Specialization Core	Specialization Elective	Open Elective	Audit	Total
1	28	0	0	0	0	1*	28
2	27	0	0	0	0	1*	27
3	27	0	0	0	0	0	27
4	23	4	0	0	0	1*	27
5	23	4	0	0	0	0	27
6	27	0	0	0	0	0	27
7	21	6	0	0	0	0	27
8	18	0	0	0	0	0	18
9	22	6	0	0	0	0	28
10	20	6	0	0	0	0	26
Total	236	26	0	0	0	0	262

* Satisfactory completion of the non letter grade courses 'Integrated Disaster Management' and 'Fitness for Life' and 'Certificate in COVID-19 Care for the Community' is mandatory for the award of degree.

This Programme Structure is aligned with the norms laid down by the University and is approved by the Academic Council. Hereafter changes (if any) which conform to the policy on "Curriculum Development and Review" would be permissible, subject to revision of the Programme Structure, following the specified processes.

Head - Academics

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Annexure A

Catalog Course Code	Course Code	Course Title	Nature	Lecture	Tutorial	Studio / Practical	Total Credits	Continuous Assessment	Evaluation		Total
									Practical / Studio / Tutorial Marks	ESE	
Semester : 1											
Generic Core Courses											
T8559	0802210101	Architectural Design I	PC	0	2	3	5	125	0	0	125
T8664	0802210102	Architectural Graphics Skills-I	PC	5	0	0	5	50	75	0	125
T8560	0802210103	Building Construction and Materials I	BS & AE	1	1	1	3	30	0	45	75
T8562	0802210104	Basic Design and Visual Arts I	PC	3	0	0	3	30	45	0	75
T8651	0802210105	Carpentry and Model Making Workshop I	PC	4	0	0	4	100	0	0	100
T8649	0802210106	Structural Design System I	BS & AE	2	0	0	2	20	0	30	50
T8565	0802210107	Surveying and Leveling	BS & AE	1	1	0	2	50	0	0	50
T8691	0802210108	Introduction to History of Architecture and Culture	PC	2	0	0	2	50	0	0	50
T8567	0802210109	Environmental Studies I	BS & AE	2	0	0	2	50	0	0	50
TH4272	0802210110	Certificate in COVID-19 Care for the Community *		0	0	0	Non Letter Grade	0	0	0	0
Total				20	4	4	28	505	120	75	700
Semester : 2											
Generic Core Courses											
T8568	0802210201	Architectural Design II	PC	0	2	3	5	125	0	0	125
T8665	0802210202	Architectural Graphics Skills-II	PC	5	0	0	5	50	75	0	125
T8569	0802210203	Building Construction and Materials II	BS & AE	1	1	1	3	30	0	45	75
T8653	0802210204	Carpentry and Model Making Workshop II	PC	4	0	0	4	100	0	0	100
T8572	0802210205	Basic Design and Visual Arts II	PC	3	0	0	3	30	45	0	75
T8645	0802210206	Structural Design System II	BS & AE	2	0	0	2	20	0	30	50
T8654	0802210207	History of Architecture, Art and Culture I	PC	3	0	0	3	30	0	45	75
T8575	0802210208	Climatology I	BS & AE	2	0	0	2	20	0	30	50



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									Practical / Studio / Tutorial Marks	ESE	
T4005	0802210209	Integrated Disaster Management *		0	0	0	Non Letter Grade	0	0	0	0
Total				20	3	4	27	405	120	150	675
Semester : 3											
Generic Core Courses											
T8577	0802210301	Architectural Design III	PC	0	3	3	6	150	0	0	150
T8655	0802210302	Architectural Graphics Skills III	PC	3	0	0	3	30	45	0	75
T8578	0802210303	Building Construction and Materials III	BS & AE	1	1	1	3	30	0	45	75
T8643	0802210304	Digital Graphics & Art	SEC	3	0	0	3	75	0	0	75
T8646	0802210305	Structural Design System III	BS & AE	2	0	0	2	20	0	30	50
T8656	0802210306	Architecture Computer Application	SEC	3	0	0	3	75	0	0	75
T8657	0802210307	History of Architecture, Art and Culture II	PC	3	0	0	3	30	0	45	75
T8584	0802210308	Climatology II	BS & AE	2	0	0	2	20	0	30	50
T2474	0802210309	Project Business Development	OE	2	0	0	2	50	0	0	50
Total				19	4	4	27	480	45	150	675
Semester : 4											
Generic Core Courses											
T8586	0802210401	Architectural Design IV	PC	0	3	3	6	150	0	0	150
T8587	0802210402	Building Construction & Materials IV	BS & AE	1	1	1	3	30	0	45	75
T8647	0802210403	Structural Design System IV	BS & AE	2	0	0	2	20	0	30	50
T8593	0802210404	Specification & Estimation I	PC	3	0	0	3	30	45	0	75
T8369	0802210405	Basics of Media and Film Design	OE	2	0	0	2	50	0	0	50
T8591	0802210406	Building Services I	BS & AE	2	0	0	2	20	0	30	50
T8658	0802210407	History of Architecture, Art and Culture III	PC	3	0	0	3	30	0	45	75
T2802	0802210408	Project-Customer Relationship Management	OE	2	0	0	2	50	0	0	50



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									Practical / Studio / Tutorial Marks	ESE	
TH4095	0802210409	Fitness for Life *		0	0	0	Non Letter Grade	0	0	0	0
Total				15	4	4	23	380	45	150	575
Generic Elective Courses Group											
T8680	0802210410	Principles of Product Design	PE	2	0	0	2	50	0	0	50
T8588	0802210411	Vernacular Architecture	PE	2	0	0	2	50	0	0	50
T8682	0802210412	Photography	PE	2	0	0	2	50	0	0	50
T8674	0802210413	Design Thinking and Innovation	PE	2	0	0	2	50	0	0	50
T8642	0802210414	Presentation skills	PE	2	0	0	2	50	0	0	50
T8670	0802210415	Indian Art and Culture	PE	2	0	0	2	50	0	0	50
Total				0	0	0	4	0	0	0	0
Semester : 5											
Generic Core Courses											
T8595	0802210501	Architectural Design V	PC	0	3	4	7	175	0	0	175
T8648	0802210502	Structural Design System V	BS & AE	2	0	0	2	20	0	30	50
T8596	0802210503	Building Construction & Materials V	BS & AE	1	1	1	3	30	0	45	75
T8598	0802210504	Building Services II	BS & AE	2	0	0	2	20	0	30	50
T8652	0802210505	History of Architecture, Art and Culture IV	PC	3	0	0	3	30	0	45	75
T8600	0802210506	Specification and Estimation II	PC	2	0	0	2	20	30	0	50
T8692	0802210507	Introduction to Working Drawing	SEC	2	0	0	2	20	30	0	50
T6730	0802210508	Short Stories from Around the World	OE	2	0	0	2	50	0	0	50
Total				14	4	5	23	365	60	150	575
Generic Elective Courses Group											
T8669	0802210509	Theory of Design	PE	2	0	0	2	50	0	0	50
T8672	0802210510	Urban Design	PE	2	0	0	2	50	0	0	50
T8671	0802210511	Fundamental of Sculpture	PE	2	0	0	2	50	0	0	50
T8696	0802210512	Advanced Software Skills	PE	2	0	0	2	50	0	0	50
Total				0	0	0	4	0	0	0	0



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									Practical / Studio / Tutorial Marks	ESE	
Semester : 6											
Generic Core Courses											
T8602	0802210601	Architectural Design VI	PC	0	3	4	7	175	0	0	175
T8000	0802210602	Service Learning	OE	4	0	0	4	40	60	0	100
T8603	0802210603	Building Construction & Materials VI	BS & AE	1	1	1	3	30	0	45	75
T8604	0802210604	Landscape Design	PC	0	3	0	3	30	45	0	75
T8606	0802210605	Structural Design System VI	BS & AE	3	0	0	3	30	0	45	75
T8607	0802210606	Building Byelaws	PAECC	2	0	0	2	50	0	0	50
T8608	0802210607	Building Services III	BS & AE	2	0	0	2	20	0	30	50
T8659	0802210608	History of Architecture, Art and Culture V	PC	3	0	0	3	30	0	45	75
Total				15	7	5	27	405	105	165	675
Semester : 7											
Generic Core Courses											
T8660	0802210701	Architecture Design VII (Housing Studio)	PC	0	5	5	10	100	150	0	250
T8661	0802210702	Seminar	PAECC	2	0	0	2	20	30	0	50
T8611	0802210703	Building Construction & Materials VII	BS & AE	1	1	1	3	30	0	45	75
T8613	0802210704	Advanced Building Services I	BS & AE	2	0	0	2	20	0	30	50
T8605	0802210705	Study of Human Settlement	PC	2	0	0	2	20	30	0	50
F0002	0802210706	Flexi-Credit Course	PAECC	2	0	0	2	50	0	0	50
Total				9	6	6	21	240	210	75	525
Generic Elective Courses Group											
T8686	0802210707	Architectural Journalism	PE	2	0	0	2	20	30	0	50
T8678	0802210708	Green Building Rating System	PE	2	0	0	2	20	30	0	50
T8694	0802210709	Urban Art	PE	2	0	0	2	20	30	0	50
T8681	0802210710	Parametric Architecture	PE	2	0	0	2	20	30	0	50
T8683	0802210711	Typography	PE	2	0	0	2	20	30	0	50
T8684	0802210712	Art Appreciation	PE	2	0	0	2	20	30	0	50
T8685	0802210713	Contemporary Processes in Architecture	PE	2	0	0	2	20	30	0	50
T8677	0802210714	Biomimicry in Architecture	PE	2	0	0	2	20	30	0	50



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									Practical / Studio / Tutorial Marks	ESE	
T8687	0802210715	Architectural Design with Glass and Steel	PE	2	0	0	2	20	30	0	50
Total				0	0	0	6	0	0	0	0
Semester : 8											
Generic Core Courses											
T8818	0802210801	Practical Training	PAECC	18	0	0	18	0	450	0	450
Total				18	0	0	18	0	450	0	450
Semester : 9											
Generic Core Courses											
T8650	0802210901	Architecture Design VIII (Urban Design)	PC	0	6	6	12	100	200	0	300
T8702	0802210902	Dissertation	PAECC	2	0	0	2	20	30	0	50
T8618	0802210903	Advanced Building Services II	BS & AE	2	0	0	2	20	0	30	50
T8693	0802210904	Building Information Modelling	SEC	4	0	0	4	40	60	0	100
T8676	0802210905	Entrepreneurship Skills for Architects	SEC	2	0	0	2	50	0	0	50
Total				10	6	6	22	230	290	30	550
Generic Elective Courses Group											
T8695	0802210906	Campus Planning	PE	2	0	0	2	20	30	0	50
T8705	0802210907	Graphic & Animation Design	PE	2	0	0	2	20	30	0	50
T8704	0802210908	Interior Design	PE	2	0	0	2	20	30	0	50
T8700	0802210909	Regional Architecture	PE	2	0	0	2	20	30	0	50
T8703	0802210910	Architectural Conservation	PE	2	0	0	2	20	30	0	50
T8701	0802210911	High- tech architecture	PE	2	0	0	2	20	30	0	50
T8619	0802210912	Town Planning	PE	2	0	0	2	20	30	0	50
T8673	0802210913	Building Performance and Compliance	PE	2	0	0	2	20	30	0	50
T8675	0802210914	Introduction to Design Management	PE	2	0	0	2	20	30	0	50
Total				0	0	0	6	0	0	0	0
Semester : 10											
Generic Core Courses											
T8818	0802211001	Architectural Design IX (Thesis Project)	PC	0	9	9	18	200	250	0	450
T8667	0802211002	Professional Practice	PAECC	2	0	0	2	20	0	30	50
Total				2	9	9	20	220	250	30	500



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									Practical / Studio / Tutorial Marks	ESE	
Generic Elective Courses Group											
T8679	0802211003	Earthquake Resistance Architecture	PE	3	0	0	3	30	0	45	75
T8688	0802211004	Disaster Mitigation and Management	PE	3	0	0	3	30	0	45	75
T8689	0802211005	Universal Design	PE	3	0	0	3	30	0	45	75
T8699	0802211006	Sustainable Cities and Communities	PE	3	0	0	3	30	45	0	75
T8690	0802211007	Philosophy of Architecture	PE	3	0	0	3	30	45	0	75
T8702	0802211008	Furniture Design	PE	3	0	0	3	30	45	0	75
Total				0	0	0	6	0	0	0	0

Abbreviations:

1	PC	Professional Core
2	BS & AE	Building Sciences and Applied Engineering
3	EC	Elective Course
4	PE	Professional Elective
5	OE	Open Elective
6	PAEC	Professional Ability Enhancement Courses
7	PAECC	Professional Ability Enhancement Compulsory Courses
8	SEC	Skill Enhancement Courses
9	FCC	Floating Credit Courses

Nature wise Credit Distribution:

Nature	PC	BS&AE	PE	OE	PAEC	SEC	Total
Total credits Existing	130	52	26	12	28	14	262
COA %	50	20	10	5	10	5	100
SSPAD %	49.6	19.8	9.9	4.6	10.7	5.3	100



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Semester	Internal Credits	External Credits	Total Credits	Total Marks
Semester 1	15	13	28	700
Semester 2	9	18	27	675
Semester 3	14	13	27	675
Semester 4	14	13	27	675
Semester 5	13	14	27	675
Semester 6	9	18	27	675
Semester 7	2	25	27	675
Semester 8	0	18	18	450
Semester 9	2	26	28	700
Semester 10	0	26	26	650
Total	78	184	262	6550

The approval of the program structure is subject to compliance with norms laid down by Council of Architecture for the B. Arch. Program under:

1. Minimum standards of architectural education, 2017 prescribed under section 21 of the architects act, 1972.
2. The gazette of India, extraordinary part iii, section 4, published by authority, (no. 63) New Delhi, Wednesday, February 13, 2019.
3. Council of Architecture (Minimum Standards of Architectural Education) (Amendment) Regulations, 2020; dated 6th August 2020.