

D. Y. PATIL AGRICULTURE AND TECHNICAL UNIVERSITY, TALSANDE, KOLHAPUR



SCHOOL OF ARCHITECTURE

SYLLABUS STRUCTURE

B. Architecture

A/P: Talsande, Tal: Hatkanangale, Dist: Kolhapur-416 112
Email: dyp.arch.talsande@gmail.com, website: coat.dypgroup.edu.in, Ph: 9850887221

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Distribution Of Subject Groups

- 1) Professional Core Courses (Pc)
- 2) Building Sciences And Applied Engineering (Bs And Ae)
- 3) Elective Courses
 - a) Professional Electives (Pe)
 - b) Open Electives (Oe)
- 4) Professional Ability Enhancement Courses (Paec)
 - a) Professional Ability Enhancement Compulsory Courses (Paecc)
 - b) Skill Enhancement Courses (Sec)

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Distribution Of Courses In Subject Groups

1) Professional Core Courses (Pc)

Sr. No.	Course Code	Corse Type	Name Of Course	Teaching Scheme Per Week			
				L	T	P	Credits
1.	21 Pc - 101	Pc	Aesthetics & Visual Arts – I	1	-	2	3
2.	21 Pc - 102	Pc	Graphics – I	1	-	2	3
3.	21 Pc - 103	Pc	Architectural Design – I	1	-	6	7
4.	21 Pc - 104	Pc	Human Settlement & History Of Civilization - I	2	-	-	2
5.	21 Pc - 105	Pc	Carpentry And Model Making Workshop – I	-	-	2	2
6.	21 Pc - 106	Pc	Scope Of Architecture -I	2	-	-	2
7.	21 Pc - 201	Pc	Aesthetics & Visual Arts – li	1	-	2	3
8.	21 Pc - 202	Pc	Graphics – li	1	-	2	3
9.	21 Pc - 203	Pc	Architectural Design – li	1	-	6	7
10.	21 Pc - 204	Pc	Human Settlement & History Of Civilization - li	2	-	-	2
11.	21 Pc - 205	Pc	Carpentry And Model Making Workshop – li	-	-	2	2
12.	21 Pc - 206	Pc	Scope Of Architecture -li	2	-	-	2
13.	21 Pc - 301	Pc	Graphics – lii	1	-	3	4
14.	21 Pc – 302	Pc	Architectural Design – lii	1	-	6	7
15.	21 Pc - 303	Pc	History Of Architecture - I	1	-	2	3
16.	21 Pc - 401	Pc	Graphics – Iv	1	-	3	4
17.	21 Pc – 402	Pc	Architectural Design – Iv	1	-	6	7
18.	21 Pc - 403	Pc	History Of Architecture - li	1	-	2	3
19.	21 Pc–501	Pc	Architectural Design –V	1	-	6	7
20.	21 Pc 502	Pc	History Of Architecture – lii	1	-	2	3
21.	21 P–503	Pc	Estimation Costing & Specifications– I	1	-	2	3
22.	21 Pc – 504	Pc	Working Drawing – I Arch, Graphics & Drawing	1	-	3	4
23.	21 Pc – 505	Pc	Landscape Design	1	-	2	3

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24.	21 Pc-601	Pc	Architectural Design –Vi	1	-	6	7
25.	21 Pc -602	Pc	History Of Architecture – Iv	1	-	2	3
26.	21 Pc –603	Pc	Estimation Costing & Specifications– li	1	-	2	3
27.	21 Pc – 604	Pc	Working Drawing – li Arch, Graphics & Drawing	2	-	2	4
28.	21 Pc-701	Pc	Advanced Architectural Design - I	1	-	6	7
29.	21 Pc – 702	Pc	Environmental Planning & Urban Design	1	-	3	4
30.	21 Pc – 703	Pc	Advanced Building Specification Valuation And Project Management System	1	-	3	4
31.	21 Pc - 704	Pc	Urban And Regional Planning	1	-	2	3
32.	21 Pc-901	Pc	Advanced Architectural Design - li	1	-	6	7
33.	21 Pc – 902	Pc	Architectural Project 1 + 2 (Synopsis, Literature Review, Data Collection)	2	-	6	8
34.	21 Pc-1001	Pc	Architectural Project Iii Case Study/Site/ Final Design And Presentation Drawing / Report	2		8	10
Total Credits				146			

2) Building Sciences And Applied Engineering (Bs And Ae)

Sr. No.	Course Code	Corse Type	Name Of Course	Teaching Scheme			
				Per Week			
				L	T	P	Credits
1.	21 Bs & Ae -107	Bs & Ae	Building Construction & Material -I	2	-	2	4
2.	21 Bs & Ae -108	Bs & Ae	Theory Of Structure – I	3	-	-	3
3.	21 Bs & Ae -207	Bs & Ae	Building Construction & Material - li	2	-	2	4
4.	21 Bs & Ae -208	Bs & Ae	Theory Of Structure – li	3	-	-	3
5.	21 Bs & Ae- 304	Bs & Ae	Building Construction & Material – lii	2	-	2	4
6.	21 Bs & Ae -305	Bs & Ae	Theory Of Structure – lii	3	-	-	3
7.	21 Bs & Ae- 306	Bs & Ae	Climatology & Architecture - I	1	-	2	3
8.	21 Bs & Ae- 307	Bs & Ae	Building Services – I	2	-	-	2

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9.	21 Bs & Ae- 308	Bs & Ae	Environmental Studies - I	2	-	-	2
10.	21 Bs & Ae- 404	Bs & Ae	Building Construction & Material – Iv	2	-	2	4
11.	21 Bs & Ae - 405	Bs & Ae	Theory Of Structure – Iv	3	-	-	3
12.	21 Bs & Ae- 406	Bs & Ae	Surveying & Leveling	1	-	2	3
13.	21 Bs & Ae- 407	Bs & Ae	Building Services – li	2	-	-	2
14.	21 Bs & Ae- 408	Bs & Ae	Environmental Studies - li	2	-	-	2
15.	21 Bs & Ae- 506	Bs & Ae	Building Construction & Material – V	2	-	2	4
16.	21 Bs & Ae-507	Bs & Ae	Theory Of Structure – V	2	-	-	2
17.	21 Bs & Ae- 508	Bs & Ae	Building Services – lii	1	-	1	2
18.	21 Bs & Ae- 509	Bs & Ae	Acoustics	2	-	-	2
19.	21 Bs & Ae- 605	Bs & Ae	Building Construction & Material – Vi	1	-	3	4
20.	21 Bs & Ae-606	Bs & Ae	Theory Of Structure – Vi	2	-	-	2
21.	21 Bs & Ae- 607	Bs & Ae	Building Services – Iv	1	-	2	3
22.	21 Bs & Ae- 705	Bs & Ae	Advanced Structure – I	3	-	-	3
23.	21 Bs & Ae- 903	Bs & Ae	Advanced Structure – li	3	-	-	3
24.	21 Bs & Ae- 904	Bs & Ae	Advanced Services	1	-	2	3
25.	21 Bs & Ae-1002	Bs & Ae	Advanced Building Construction	1	-	3	4
Total Credits				74			

3) Elective Courses

a. Professional Electives (Pe)

Sr. No.	Course Code	Corse Type	Name Of Course	Teaching Scheme Per Week			
				L	T	P	Credits
1.	21 Pe - 309	Pe	Professional Elective – I	1	-	1	2
2.	21pe – 409	Pe	Professional Elective – li	1	-	1	2
3.	21 Pe - 707	Pe	Professional Elective – lii	1	-	2	3
4.	21 Pe - 906	Pe	Professional Elective – Iv	1	-	2	3
5.	21 Pe -1005	Pe	Professional Elective – V	1	-	3	4

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Total Credits	14
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b. Open Electives (Oe)

Sr. No.	Course Code	Course Type	Name Of Course	Teaching Scheme Per Week			
				L	T	P	Credits
1.	21 Oe- 610	Oel	Open Elective - I	2	-	2	4
2.	21 Oel - 708	Oel	Open Elective - II	2	-	2	4
Total Credits				8			

4) Professional Ability Enhancement Courses (Paec)

a. Professional Ability Enhancement Compulsory Courses (Paecc)

Sr. No.	Course Code	Course Type	Name Of Course	Teaching Scheme Per Week			
				L	T	P	Credits
1.	21 Paecc -706	Paecc	Research Methodology	1	-	1	2
2.	21 Paecc - 801	Paecc	Practical Training And Report	-	-	96 Working Days	26
3.	21 Paecc -905	Paecc	Professional Practice And Building Bye- Laws	3	-	-	3
Total Credits				31			

c) Skill Enhancement Courses (Sec)

Sr. No.	Course Code	Course Type	Name Of Course	Teaching Scheme Per Week			
				L	T	P	Credits
1.	21 Sec - 109	Sec	Communication Skills – I	2	-	-	2

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2.	21 Sec - 110	Sec	Computer Technology In Architecture - I	-	-	2	2
3.	21 Sec - 209	Sec	Communication Skills – II	2	-	-	2
4.	21 Sec - 210	Sec	Computer Technology In Architecture - II	-	-	2	2
5.	21 Sec -1003	Sec	Entrepreneurship Skills For Architects	1	-	3	4
6.	21 Sec - 1004	Sec	Building Information Modeling	1	-	3	4
Total Credits							16

5) Mandatory Courses

Sr. No.	Course Code	Course Type	Name Of Course	Teaching Scheme Per Week			
				L	T	P	Credits
1.	21 Mc- 111	Mandatory Course					
2.	21 Mc-211	Mandatory Course					
3.	21 Mc-310	Mandatory Course					
4.	21 Mc-410	Mandatory Course					
5.	21 Mc-611	Mandatory Course					
6.	21 Mc-709	Mandatory Course					

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Distribution Of Courses Credit Semester Wise

Year	Semester	Professional Core Courses	Building Sciences And Applied Engineering	Elective Courses		Professional Ability Enhancement Courses (Paec)		Credit Sum
				Professional Electives	Open Electives	Professional Ability Enhancement Compulsory Courses	Skill Enhancement Courses	
		(Pc)	(Bs And Ae)	(Pe)	(Oe)	(Paecc)	(Sec)	
1 st Year	I.	19	7	-	-	-	4	30
	II.	19	7	-	-	-	4	30
2 nd Year	III.	14	14	2	-	-	-	30
	IV.	14	14	2	-	-	-	30
3 rd Year	V.	20	10	-	-	-	-	30
	VI.	17	9	-	4	-	-	30
4 th Year	VII.	18	3	3	4	2	-	30
	VIII.	-	-	-	-	26	-	26
Final Year	IX.	15	6	3	-	3	-	27
	X.	10	4	4	-	-	8	26
Total Credit								289

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Distribution Of Courses Subject Semester Wise

No. Of Course	I	II	III	IV	V	VI	VII	VIII	IX	X
1	21 Pc - 101 Aesthetics & Visual Arts – I	21 Pc - 201 Aesthetics & Visual Arts – II	21 Pc – 301 Graphics – III	21 Pc - 401 Graphics – IV	21 Pc – 501 ** Architectural Design – V	21 Pc – 601 ** Architectural Design – VI	21 Pc – 701 ** Advanced Architectural Design - I	21 Paec - 801 Practical Training And Report	21 Pc – 901 ** Advanced Architectural Design - II	21 Pc – 1001** Architectural Project III Case Study/Site/ Final Design And Presentation Drawing / Report
2	21 Pc - 102 Graphics – I	21 Pc - 202 Graphics – II	21 Pc – 302 **Architectural Design – III	21 Pc – 402 **Architectural Design – IV	21 Pc – 502 ** History Of Architecture – III	21 Pc – 602 ** History Of Architecture – IV	21 Pc – 702 Environmental Planning & Urban Design	-	21 Pc – 902 Architectural Project 1 + 2 (Synopsis, Literature Review, Data Collection)	21 Bs & Ae – 1002 Advanced Building Construction

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3	21 Pc - 103 **Architectural Design – I	21 Pc - 203 **Architectural Design – li	21 Pc - 303 History Of Architecture - I	21 Pc - 403 History Of Architecture - li	21 Pc –503 ** Estimation Costing & Specifications – I	21 Pc –603 ** Estimation Costing & Specifications – li	21 Pc – 703 Advanced Building Specification Valuation And Project Management System	-	21 Bs & Ae – 903 Advanced Structure – li	21 Sec - 1003 Entrepreneurship Skills For Architects
4	21 Pc – 104 ** Human Settlement & History Of Civilization - I	21 Pc – 204 ** Human Settlement & History Of Civilization - li	21 Bs & Ae – 304 * Building Construction & Material – lii	21 Bs & Ae – 404 *Building Construction & Material – lv	21 Pc – 504 Working Drawing – I Arch, Graphics & Drawing	21 Pc – 604 Working Drawing – li Arch, Graphics & Drawing	21 Pc – 704 Urban And Regional Planning	-	21 Bs & Ae – 904 Advanced Services	21 Sec - 1004 Building Information Modeling
5	21 Pc – 105 Carpentry And Model Making Workshop – I	21 Pc – 205 Carpentry And Model Making Workshop – li	21 Bs & Ae - 305 ** Theory Of Structure – lii	21 Bs & Ae - 405 ** Theory Of Structure – lv	21 Pc – 505 Landscape Design	21 Bs & Ae – 605 * Building Construction & Material – Vi	21 Bs & Ae – 705 Advanced Structure – I	-	21 Paecc - 905 Professional Practice And Building Bye-Laws	21 Pe - 1005 Professional Elective – V
6	21 Pc - 106 Scope Of Architecture -I	21 Pc – 206 Scope Of Architecture - li	21 Bs & Ae – 306 Climatology & Architecture - I	21 Bs & Ae – 406 Surveying & Leveling	21 Bs & Ae – 506 * Building Construction & Material – V	21 Bs & Ae – 606 ** Theory Of Structure – Vi	21 Paecc -706 Research Methodology	-	21 Pe – 906 Professional Elective – lv	-

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7	21 Bs & Ae - 107 Building Construction & Material – I	21 Bs & Ae - 207 Building Construction & Material – II	21 Bs & Ae – 307 Building Services – I	20 Bs & Ae – 407 Building Services – II	21 Bs & Ae – 507 ** Theory Of Structure – V	21 Bs & Ae – 607 Building Services – IV	21 Pe – 707 Professional Elective – III	-	-	-
8	21 Bs & Ae - 108 ** Theory Of Structure – I	21 Bs & Ae - 208 ** Theory Of Structure – II	21 Bs & Ae – 308 Environmental Studies – I	21 Bs & Ae – 408 Environmental Studies – II	21 Bs & Ae – 508 Building Services – III	21 Oe- 610 Open Elective – I	21 Oel - 708 Open Elective – II	-	-	-
9	21 Sec – 109 Communication Skills – I	21 Sec – 209 Communication Skills – II	21 Pe – 309 Professional Elective – I	21pe – 409 Professional Elective – II	21 Bs & Ae– 509 Acoustics	21 Mc-611 Mandatory Course	21 Mc-709 Mandatory Course	-	-	-
10	21 Sec – 110 Computer Technology In Architecture – I	21 Sec – 210 Computer Technology In Architecture – II	21 Mc-310 Mandatory Course	21 Mc-410 Mandatory Course	21 Mc-510 Mandatory Course	-	-	-	-	-
11	21 Mc-111 Mandatory Course	21 Mc-211 Mandatory Course	-	-	-	-	-	-	-	-

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Summary Of Distribution Of Courses In All Semester

Sr. No.	Category	No. Of Subjects In Each Category	Suggested Breakup Of Credits By Aicte	Total
1.	Professional Core Courses (Pc)	15	50 Percent	144.5
2.	Building Sciences And Applied Engineering (Bs And Ae)	10	20 Percent	37.8
3.	Elective Courses			
	a) Professional Electives (Pe)	10	10 Percent	18.9
	b) Open Electives (Oe)	4	5 Percent	9.45
4.	Professional Ability Enhancement Courses (Paec)			
	a) Professional Ability Enhancement Compulsory Courses (Paecc)	3	10 Percent	18.9
	b) Skill Enhancement Courses (Sec)	4	5 Percent	9.45

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Scheme Of Teaching And Examination

First Year, B. Arch.

Semester – I

Sr. No	Course Code	Course Type	Name Of The Course	Teaching Scheme Per Week			Credits	Total Marks	Evaluation Scheme			
				Lecture Hours	Tutorial Hours	Practical/ Studio Hours			Type	Max. Marks	Min. Marks For Passing	
											Individual Course	Aggregate
1	21 Pc - 101	Pc	Aesthetics & Visual Arts – I	1	-	2	3	100	Ise	100	50	50
									Mse	-	-	
									Ese (Oe)	-	-	
									Ese (Th)	-	-	
2	21 Pc - 102	Pc	Graphics – I	1	-	2	3	50	Ise	50	25	25
									Mse	-	-	
									Ese (Oe)	-	-	
									Ese (Th)	-	-	
3	21 Pc - 103	Pc	**Architectural Design – I	1	-	6	7	200	Ise	100	50	100
									Mse	-	-	
									Ese (Oe)	100	45	
									Ese (Th)	-	-	
4	21 Pc - 104	Pc	** Human Settlement & History Of Civilization - I	2	-	-	2	100	Ise	20	10	50
									Mse	30	15	
									Ese (Oe)	-	-	
									Ese (Th)	50	23	

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5	21 Pc - 105	Pc	Carpentry And Model Making Workshop – I	-	-	2	2	50	Ise	50	25	25
									Mse	-	-	
									Ese (Oe)	-	-	
									Ese (Th)	-	-	
6	21 Pc - 106	Pc	Scope Of Architecture -I	2	-	-	2	50	Ise	50	25	25
									Mse	-	-	
									Ese (Oe)	-	-	
									Ese (Th)	-	-	
7	21 Bs & Ae - 107	Bs & Ae	Building Construction & Material – I	2	-	2	4	100	Ise	20	10	50
									Mse	30	15	
									Ese (Oe)	-	-	
									Ese (Th)	50	23	
8	21 Bs & Ae - 108	Bs & Ae	** Theory Of Structure – I	3	-	-	3	100	Ise	20	10	50
									Mse	30	15	
									Ese (Oe)	-	-	
									Ese (Th)	50	23	
9	21 Sec - 109	Sec	Communication Skills – I	2	-	-	2	50	Ise	50	25	25
									Mse	-	-	
									Ese (Oe)	-	-	
									Ese (Th)	-	-	
10	21 Sec - 110	Sec	Computer Technology In Architecture - I	-	-	2	2	50	Ise	50	25	25
									Mse	-	-	
									Ese (Oe)	-	-	
									Ese (Th)	-	-	
11	21 Mc-111	Mandatory Course										
	Total			14		16	30	850		850		425

Ise - In Semester Evaluation **Mse** - Mid Semester Examination **Ese** - End Semester Examination **Oe** - Oral Examination **Th** - Theory

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Scheme Of Teaching And Examination

First Year, B. Arch.

Semester – I

Sr. No	Course Code	Course Type	Name Of The Course	Teaching Scheme Per Week			Credits	Total Marks	Evaluation Scheme			
				Lecture Hours	Tutorial Hours	Practical/ S Tudio Hours			Type	Max. Marks	Min. Marks For Passing	
											Individual Course	Aggregate
1	21 Pc - 201	Pc	Aesthetics & Visual Arts – li	1	-	2	3	100	Ise	100	50	50
									Mse	-	-	
									Ese (Oe)	-	-	
									Ese (Th)	-	-	
2	21 Pc - 202	Pc	Graphics – li	1	-	2	3	100	Ise	50	25	50
									Mse	-	-	
									Ese (Oe)	-	-	
									Ese (Th)	50	23	
3	21 Pc - 203	Pc	**Architectural Design – li	1	-	6	7	200	Ise	100	50	100
									Mse	-	-	
									Ese (Oe)	100	45	
									Ese (Th)	-	-	
4	21 Pc - 204	Pc	** Human Settlement & History Of Civilization - li	2	-	-	2	100	Ise	20	10	50
									Mse	30	15	
									Ese (Oe)	-	-	
									Ese (Th)	50	23	
			Carpentry And Model						Ise	50	25	

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5	21 Pc - 205	Pc	Making Workshop – li	-	-	2	2	50	Mse	-	-	25
									Ese (Oe)	-	-	
									Ese (Th)	-	-	
6	21 Pc - 206	Pc	Scope Of Architecture - li	2	-	-	2	50	Ise	50	25	25
									Mse	-	-	
									Ese (Oe)	-	-	
									Ese (Th)	-	-	
7	21 Bs & Ae - 207	Bs & Ae	Building Construction & Material – li	2	-	2	4	200	Ise	100	50	100
									Mse	-	-	
									Ese (Oe)	50	23	
									Ese (Th)	50	23	
8	21 Bs & Ae - 208	Bs & Ae	** Theory Of Structure – li	3	-	-	3	100	Ise	20	10	50
									Mse	30	15	
									Ese (Oe)	-	-	
									Ese (Th)	50	23	
9	21 Sec - 209	Sec	Communication Skills – li	2	-	-	2	50	Ise	50	25	25
									Mse	-	-	
									Ese (Oe)	-	-	
									Ese (Th)	-	-	
10	21 Sec - 210	Sec	Computer Technology In Architecture - li	-	-	2	2	50	Ise	50	25	25
									Mse	-	-	
									Ese (Oe)	-	-	
									Ese (Th)	-	-	
11	21 Mc-211	Mandatory Course										
	Total			14		16	30	1000		1000		500

Ise - In Semester Evaluation **Mse** - Mid Semester Examination **Ese** - End Semester Examination **Oe** - Oral Examination **Th** - Theory

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Scheme Of Teaching And Examination

Second Year, B. Arch.

Semester – Iii

Sr. No	Course Code	Course Type	Name Of The Course	Teaching Scheme Per Week			Credits	Total Marks	Evaluation Scheme			
				Lecture Hours	Tutorial Hours	Practical/ S Tudio Hours			Type	Max. Marks	Min. Marks For Passing	
											Individual Course	Aggregate
1	21 Pc - 301	Pc	Graphics – Iii	1	-	3	4	100	Ise	50	25	50
									Mse	-	-	
									Ese (Oe)	-	-	
									Ese (Th)	50	23	
2	21 Pc – 302 **	Pc	**Architectural Design – Iii	1	-	6	7	200	Ise	100	50	100
									Mse	-	-	
									Ese (Oe)	100	45	
3	21 Pc - 303 **	Pc	History Of Architecture - I	1	-	2	3	100	Ise	20	10	50
									Mse	30	15	
									Ese (Oe)	-	-	
									Ese (Th)	50	23	
4	21 Bs & Ae – 304 *	Bs & Ae	* Building Construction & Material – Iii	2	-	2	4	200	Ise	100	50	100
									Mse	-	-	
									Ese (Oe)	50	23	
									Ese (Th)	50	23	
5	21 Bs & Ae - 305	Bs & Ae	** Theory Of Structure – Iii	3	-	-	3	100	Ise	20	10	50
									Mse	30	15	
									Ese (Oe)	-	-	
									Ese (Th)	50	23	

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6	21 Bs & Ae – 306	Bs & Ae	Climatology & Architecture - I	1	-	2	3	200	Ise	40	20	100
									Mse	60	30	
									Ese (Oe)	-	-	
									Ese (Th)	100	45	
7	21 Bs & Ae – 307	Bs & Ae	Building Services – I	2	-	-	2	100	Ise	20	10	50
									Mse	30	15	
									Ese (Oe)	-	-	
									Ese (Th)	50	23	
8	21 Bs & Ae – 308	Bs & Ae	Environmental Studies - I	2	-	-	2	-	Ise	-	-	-
									Mse	-	-	
									Ese (Oe)	-	-	
									Ese (Th)	-	-	
9	21 Pe – 309	Pe	Professional Elective – I	1	-	1	2	100	Ise	100	50	50
									Mse	-	-	
									Ese (Oe)	-	-	
									Ese (Th)	-	-	
10	21 Mc-310	Mandatory Course										
	Total			14		16	30	1100		1100		550

Ise - In Semester Evaluation **Mse** - Mid Semester Examination **Ese** - End Semester Examination **Oe** - Oral Examination **Th** - Theory

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SYLLABUS STRUCTURE
B. Architecture

Scheme Of Teaching And Examination

Second Year, B. Arch.

Semester – Iv

Sr. No	Course Code	Course Type	Name Of The Course	Teaching Scheme Per Week			Credits	Total Marks	Evaluation Scheme			
				Lecture Hours	Tutorial Hours	Practical/ S Tudio Hours			Type	Max. Marks	Min. Marks For Passing	
											Individual Course	Aggregate
1	21 Pc - 401	Pc	Graphics – Iv	1	-	3	4	100	Ise	50	25	50
									Mse	-	-	
									Ese (Oe)	-	-	
									Ese (Th)	50	23	
2	21 Pc – 402 **	Pc	**Architectural Design – Iv	1	-	6	7	300	Ise	100	50	150
									Mse	-	-	
									Ese (Oe)	100	45	
									Ese (Th)	100	45	
3	21 Pc - 403 **	Pc	History Of Architecture - li	1	-	2	3	100	Ise	20	10	50
									Mse	30	15	
									Ese (Oe)	-	-	
									Ese (Th)	50	23	
4	21 Bs & Ae – 404 *	Bs & Ae	* Building Construction & Material – Iv	2	-	2	4	200	Ise	100	50	100
									Mse	-	-	
									Ese (Oe)	50	23	
									Ese (Th)	50	23	
5	21 Bs & Ae - 405	Bs & Ae	** Theory Of Structure – Iv	3	-	-	3	100	Ise	20	10	50
									Mse	30	15	
									Ese (Oe)	-	-	
									Ese (Th)	50	23	

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6	21 Bs & Ae – 406	Bs & Ae	Surveying & Leveling	1	-	2	3	100	Ise	50	25	50
									Mse	-	-	
									Ese (Oe)	50	23	
									Ese (Th)	-	-	
7	20 Bs & Ae – 407	Bs & Ae	Building Services – li	2	-	-	2	100	Ise	20	10	50
									Mse	30	15	
									Ese (Oe)	-	-	
									Ese (Th)	50	23	
8	21 Bs & Ae – 408	Bs & Ae	Environmental Studies - li	2	-	-	2	-	Ise	-	-	-
									Mse	-	-	
									Ese (Oe)	-	-	
									Ese (Th)	-	-	
9	21pe – 409	Pe	Professional Elective – li	1	-	1	2	100	Ise	100	50	50
									Mse	-	-	
									Ese (Oe)	-	-	
									Ese (Th)	-	-	
10	21 Mc-410	Mandatory Course										
	Total			14	-	16	30	1100		1100		550

Ise - In Semester Evaluation **Mse** - Mid Semester Examination **Ese** - End Semester Examination **Oe** - Oral Examination **Th** - Theory

D. Y. PATIL COLLEGE OF ARCHITECTURE, TALSANDE, KOLHAPUR
SYLLABUS STRUCTURE
B. Architecture

Scheme Of Teaching And Examination

Third Year, B. Arch.

Semester – V

Sr. No	Course Code	Course Type	Name Of The Course	Teaching Scheme Per Week			Credits	Total Marks	Evaluation Scheme			
				Lecture Hours	Tutorial Hours	Practical/ S Tudio Hours			Type	Max. Marks	Min. Marks For Passing	
											Individual Course	Aggregate
1	21 Pc –501**	Pc	** Architectural Design –V	1	-	6	7	200	Ise	100	50	100
									Mse	-	-	
									Ese (Oe)	100	45	
									Ese (Th)	-	-	
2	21 Pc – 502**	Pc	** History Of Architecture – Iii	1	-	2	3	100	Ise	20	10	50
									Mse	30	15	
									Ese (Oe)	50	23	
									Ese (Th)	-	-	
3	21 Pc –503**	Pc	** Estimation Costing & Specifications– I	1	-	2	3	200	Ise	40	20	100
									Mse	60	30	
									Ese (Oe)	-	-	
									Ese (Th)	100	45	
4	21 Pc – 504	Pc	Working Drawing – I Arch, Graphics & Drawing	1	-	3	4	50	Ise	50	25	25
									Mse	-	-	
									Ese (Oe)	-	-	
									Ese (Th)	-	-	
5	21 Pc – 505	Pc	Landscape Design	1	-	2	3	100	Ise	20	10	50
									Mse	30	15	
									Ese (Oe)	-	-	

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									Ese (Th)	50	23	
6	21 Bs & Ae – 506*	Bs & Ae	* Building Construction & Material – V	2	-	2	4	200	Ise	100	50	100
									Mse	-	-	
									Ese (Oe)	50	23	
									Ese (Th)	50	23	
7	21 Bs & Ae – 507**	Bs & Ae	** Theory Of Structure – V	2	-	-	2	100	Ise	20	10	50
									Mse	30	15	
									Ese (Oe)	-	-	
									Ese (Th)	50	23	
8	21 Bs & Ae – 508*	Bs & Ae	Building Services – Iii	1	-	1	2	100	Ise	20	10	50
									Mse	30	15	
									Ese (Oe)	-	-	
									Ese (Th)	50	23	
9	21 Bs & Ae – 509	Bs & Ae	Acoustics	2	-	-	2	100	Ise	20	10	50
									Mse	30	15	
									Ese (Oe)	-	-	
									Ese (Th)	50	23	
	Total			12		18	30	1150		1150		575

Ise - In Semester Evaluation **Mse** - Mid Semester Examination **Ese** - End Semester Examination **Oe** - Oral Examination **Th** - Theory

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SYLLABUS STRUCTURE
B. Architecture

Scheme Of Teaching And Examination

Third Year, B. Arch.

Semester – Vi

Sr. No	Course Code	Course Type	Name Of The Course	Teaching Scheme Per Week			Credits	Total Marks	Evaluation Scheme			
				Lecture Hours	Tutorial Hours	Practical/ S Tudio Hours			Type	Max. Marks	Min. Marks For Passing	
											Individual Course	Aggregate
1	21 Pc –601**	Pc	** Architectural Design –Vi	1	-	6	7	300	Ise	100	50	150
									Mse	-	-	
									Ese (Oe)	100	45	
									Ese (Th)	100	45	
2	21 Pc – 602**	Pc	** History Of Architecture – Iv	1	-	2	3	100	Ise	20	10	50
									Mse	30	15	
									Ese (Oe)	-	-	
									Ese (Th)	50	23	
3	21 Pc –603**	Pc	** Estimation Costing & Specifications– li	1	-	2	3	200	Ise	40	20	100
									Mse	60	30	
									Ese (Oe)	-	-	
									Ese (Th)	100	45	
4	21 Pc – 604	Pc	Working Drawing – li Arch, Graphics & Drawing	2	-	2	4	200	Ise	100	50	100
									Mse	-	-	
									Ese (Oe)	100	45	
									Ese (Th)	-	-	
5	21 Bs & Ae	Bs & Ae	* Building Construction &	1	-	3	4	200	Ise	100	50	100
									Mse	-	-	
									Ese (Oe)	50	23	

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	- 605*		Material – Vi						Ese (Th)	50	23	
6	21 Bs & Ae –606**	Bs & Ae	** Theory Of Structure – Vi	2	-	-	2	100	Ise	20	10	50
									Mse	30	15	
									Ese (Oe)	-	-	
									Ese (Th)	50	23	
7	21 Bs & Ae – 607*	Bs & Ae	Building Services – Iv	1	-	2	3	100	Ise	20	10	50
									Mse	30	15	
									Ese (Oe)	-	-	
									Ese (Th)	50	23	
8	21 Oe- 610	Oel	Open Elective - I	2	-	2	4	100	Ise	50	25	50
									Mse	-	-	
									Ese (Oe)	50	23	
									Ese (Th)	-	-	
9	21 Mc-611	Mandatory Course										
	Total			10		19	30	1300		1300		650

Ise - In Semester Evaluation **Mse** - Mid Semester Examination **Ese** - End Semester Examination **Oe** - Oral Examination **Th** - Theory

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SYLLABUS STRUCTURE
B. Architecture

Scheme Of Teaching And Examination

Fourth Year, B. Arch.

Semester – Vii

Sr. No	Course Code	Course Type	Name Of The Course	Teaching Scheme Per Week			Credits	Total Marks	Evaluation Scheme			
				Lecture Hours	Tutorial Hours	Practical/ Studio Hours			Type	Max. Marks	Min. Marks For Passing	
											Individual Course	Aggregate
1	21 Pc – 701**	Pc	** Advanced Architectural Design - I	1	-	6	7	200	Ise	100	50	100
									Mse	-	-	
									Ese (Oe)	100	45	
									Ese (Th)	-	-	
2	21 Pc – 702	Pc	Environmental Planning & Urban Design	1	-	3	4	200	Ise	100	50	100
									Mse	-	-	
									Ese (Oe)	100	45	
									Ese (Th)	-	-	
3	21 Pc – 703	Pc	Advanced Building Specification Valuation And Project Management System	1	-	3	4	200	Ise	20	10	100
									Mse	30	15	
									Ese (Oe)	50	23	
									Ese (Th)	100	45	
4	21 Pc - 704	Pc	Urban And	1	-	2	3	200	Ise	40	20	100
									Mse	60	30	
									Ese (Oe)	-	-	

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			Regional Planning						Ese (Th)	100	45	
5	21 Bs & Ae – 705	Bs & Ae	Advanced Structure – I	3	-	-	3	100	Ise	20	10	50
									Mse	30	15	
									Ese (Oe)	-	-	
									Ese (Th)	50	23	
6	21 Paecc - 706	Paecc	Research Methodology	1	-	1	2	100	Ise	20	10	50
									Mse	30	15	
									Ese (Oe)	-	-	
									Ese (Th)	50	23	
7	21 Pe - 707	Pe	Professional Elective – Iii	1	-	2	3	100	Ise	50	25	50
									Mse	-	-	
									Ese (Oe)	50	23	
									Ese (Th)	-	-	
8	21 Oel - 708	Oel	Open Elective - Ii	2	-	2	4	100	Ise	50	25	50
									Mse	-	-	
									Ese (Oe)	50	23	
									Ese (Th)	-	-	
9	21 Mc-709	Mandatory Course										
	Total			10		20	30	1200		1200		600

Ise - In Semester Evaluation **Mse** - Mid Semester Examination **Ese** - End Semester Examination **Oe** - Oral Examination **Th** - Theory

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SYLLABUS STRUCTURE
B. Architecture

Scheme Of Teaching And Examination

Fourth Year, B. Arch.

Semester – Viii

Sr. No	Course Code	Course Type	Name Of The Course	Teaching Scheme Per Week			Credits	Total Marks	Evaluation Scheme			
				Lecture Hours	Tutorial Hours	Practical/ S Tudio Hours			Type	Max. Marks	Min. Marks For Passing	
											Individual Course	Aggregate
1	21 Paecc - 801	Paecc	Practical Training And Report	-	-	96 Working Days	26	200	Ise	100	50	100
									Mse	-	-	
									Ese (Oe)	100	45	
									Ese (Th)	-	-	
	Total						26	200		200		100

Ise - In Semester Evaluation **Mse** - Mid Semester Examination **Ese** - End Semester Examination **Oe** - Oral Examination **Th** - Theory

D. Y. PATIL COLLEGE OF ARCHITECTURE, TALSANDE, KOLHAPUR
SYLLABUS STRUCTURE
B. Architecture

Scheme Of Teaching And Examination

Fifth Year, B. Arch.

Semester – Ix

Sr. No	Course Code	Course Type	Name Of The Course	Teaching Scheme Per Week			Credits	Total Marks	Evaluation Scheme			
				Lecture Hours	Tutorial Hours	Practical/ S Tudio Hours			Type	Max. Marks	Min. Marks For Passing	
											Individual Course	Aggregate
1	21 Pc –901**	Pc	** Advanced Architectural Design - li	1	-	6	7	300	Ise	100	50	150
									Mse	-	-	
									Ese (Oe)	100	45	
									Ese (Th)	100	45	
2	21 Pc – 902	Pc	Architectural Project 1 + 2 (Synopsis, Literature Review, Data Collection)	2	-	6	8	200	Ise	100	50	100
									Mse	-	-	
									Ese (Oe)	100	45	
									Ese (Th)	-	-	
3	21 Bs & Ae – 903	Bs & Ae	Advanced Structure – li	3	-	-	3	100	Ise	20	10	50
									Mse	30	15	
									Ese (Oe)	-	-	
									Ese (Th)	50	23	
4	21 Bs & Ae – 904	Bs & Ae	Advanced Services	1	-	2	3	100	Ise	20	10	50
									Mse	30	15	
									Ese (Oe)	-	-	
									Ese (Th)	50	23	
			Professional						Ise	40	20	
									Mse	60	30	

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5	21 Paecc - 905	Paecc	Practice And Building Bye- Laws	3	-	-	3	200	Ese (Oe)	-	-	100
									Ese (Th)	100	45	
6	21 Pe - 906	Pe	Professional Elective – Iv	1	-	2	3	100	Ise	50	25	50
									Mse	-	-	
									Ese (Oe)	50	23	
									Ese (Th)	-	-	
	Total			11		16	27	1000		1000		500

Ise - In Semester Evaluation **Mse** - Mid Semester Examination **Ese** - End Semester Examination **Oe** - Oral Examination **Th** - Theory

D. Y. PATIL COLLEGE OF ARCHITECTURE, TALSANDE, KOLHAPUR
SYLLABUS STRUCTURE
B. Architecture

Scheme Of Teaching And Examination

Fifth Year, B. Arch

Semester – X

Sr. No	Course Code	Course Type	Name Of The Course	Teaching Scheme Per Week			Credits	Total Marks	Evaluation Scheme			
				Lecture Hours	Tutorial Hours	Practical/ Studio Hours			Type	Max. Marks	Min. Marks For Passing	
											Individual Course	Aggregate
1	21 Pc – 1001**	Pc	Architectural Project Iii Case Study/Site/ Final Design And Presentation Drawing / Report	2	-	8	10	400	Ise	200	100	200
									Mse	-	-	
									Ese (Oe)	200	90	
									Ese (Th)	-	-	
2	21 Bs & Ae – 1002	Bs & Ae	Advanced Building Construction	1	-	3	4	300	Ise	100	50	150
									Mse	-	-	
									Ese (Oe)	100	45	
									Ese (Th)	100	45	
3	21 Sec - 1003	Sec	Entrepreneurship Skills For Architects	1	-	3	4	100	Ise	50	25	50
									Mse	-	-	
									Ese (Oe)	50	23	
									Ese (Th)	-	-	
4	21 Sec - 1004	Sec	Building Information Modeling	1	-	3	4	100	Ise	50	25	50
									Mse	-	-	
									Ese (Oe)	50	23	
									Ese (Th)	-	-	

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B. Architecture

5	21 Pe - 1005	Pe	Professional Elective – V	1	-	3	4	100	Ise	50	25	50
									Mse	-	-	
									Ese (Oe)	50	23	
									Ese (Th)	-	-	
	Total			6	-	20	26	1000		1000		500

Ise - In Semester Evaluation **Mse** - Mid Semester Examination **Ese** - End Semester Examination **Oe** - Oral Examination **Th** - Theory

Note :- As Per Coa Norms, Minimum Passing Percentage For Various Heads To Be As Follows :

1) Internal (Ise) = 50% 2) External Oral (Oe) = 45% 3) Theory (Ese) = 45% Aggregate = 50%

* Means Combine Passing For External Oral & Theory Paper

** Means Combine Passing For Internal Term Work & Theory Paper & External Oral As Applicable.

One Lecture Means Period Of One Hour (60 Minutes) And One Studio Means Studio Period Of One Hour (60 Minutes) Total Weeks – 15 Weeks Per Semester

Candidate Contact Hours Per Week : 30 Hours (Minimum)
Theory/Tutorial Duration : 60 Minutes And Practical Duration : 60 Minutes
There Shall Be Separate Passing For Theory And Practical (Term Work) Courses.

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Annexure A : Mandatory Courses

The Student Can Opt For One Mandatory Course In A Semester. A Student Can Opt For A Particular Course From The List Below Only Once And Cannot Repeat The Same Course. The Courses May Be Offered Based Upon The Availability Of Resources In A College. The Method Of Conduct Of Course Could Be Based On Lectures, Site Visits, Small Projects, Online Sources Etc. And Can Be Devised By Individual Colleges. The Course Outline Given Is Only Suggestive And Colleges Can Expand Or Modify It For Enrichment Of The Course.

First Year B.Arch. Sem. - I & II [Any One Course To Be Offered Per Semester From The Following]			
Sr. No.	Code	Title	Brief Course Outline
1	A	Crafts	Introduction To Crafts Across The World Through History. Types Of Indian Crafts. Study Of Any One Craft Of India.
2	B	Creative Writing	Writing As An Art. Fictional And Non Fictional Writing. Poetry, Short Stories, Playwriting. Famous Indian Writers, Poets And Play Wrights And Their Works
3	C	Performing Arts	Introduction To Performing Arts Across The World Through History. Types Of Indian Performing Arts. Introduction To Natya-Shastra. Classical, Folk, Traditional Performing Arts. Dance, Music, Drama, Cinema
Second Year B.Arch. Sem. - III & IV [Any One Course To Be Offered Per Semester From The Following]			
4	D	Foreign Language	Basic Introduction To German Or Japanese Language Or A Language Which A College May Choose To Offer – Syllables, Pronunciations, Words, Simple Sentences, Grammar.
5	E	Cyber Security	Introduction To Cyber Crime. Types Of Cyber Crimes. Do And Don'ts While Using Computers, Smart Phones, Internet. Security Measures To Protect From Crime. Crime Detection Mechanism And Legislation.
6	F	Yoga	Introduction To Yoga. Benefits Of Yoga. Types Of Yogasanas.
Third Year B.Arch. Sem. - VI [Any One Course To Be Offered Per Semester From The Following]			
7	G	Basics Of Accounting And Book	Introduction To Accounting And Various Terminologies. Maintaining Books Of Account. Debit And Credit.

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8	H	Electrical And Book Keeping	Basic Electrical Gadgets In Home And Offices. Introduction To Problems Related To Electricity Supply In Home Environments. Precautions While Handling Electrical Gadgets And Wiring. Mechanism Of Protection From Electrical Hazards.
9	I	Culinary Art And Practices	Introduction To The Basic Need Of Food. Geographical And Cultural Factors Affecting Food. Various Cuisines And Culinary Arts Across The World. Social, Health, Dietary, Aspects Of Cuisines. Food Cultures In Modern Times. Places Of Food.
Fourth Year B.Arch. Sem Vii [Any One Course To Be Offered Per Semester From The Following]			
10	J	Civics	Constitution Of India, Indian Democracy, Citizenship And Rights And Responsibilities Of Citizens. Legislative Framework.
11	K	Right To Information	Right To Information Act In India. Its Need, Scope And Significance. Use Of Right To Information. Responsibilities Of Using Rti. Limitations Of Using Rti. Case Studies And Legal Precedents Of Using Rti.
12	L	Sign Language	Introduction To Need And Significance Of Inclusive Social Environment. Communication With The Persons Who Have Hearing And Speech Disabilities. Learning Sign Language.

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B. Architecture

Annexure B: Professional Elective Courses

Professional Electives (Pe)			
Sr. No.	Subject Code	Name Of The Subject	Semester
1	21 Pe – 309	Professional Elective- I	Iii
		Art Appreciation - I	
		Art In Architecture – I	
		Graphic And Product Design - I	
2	21pe – 409	Professional Elective- Ii	Iv
		Art Appreciation – Ii	
		Art In Architecture – Ii	
		Graphic And Product Design - Ii	
3	21 Pe - 707	Professional Elective- Iii	Vii
		Sustainable Cities And Communities	
		Contemporary Processes In Architecture	
		Green Buildings And Rating Systems	
4	21 Pe - 906	Professional Elective- Iv	Ix
		Digital Architecture	
		Project Management	
5	21 Pe - 1005	Professional Elective- V	X
		Architectural Design With Steel	
		Architectural Conservation	
		Architectural Journalism	

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Annexure C: Open Elective Courses

Open Electives (Oe)			
Sr. No.	Subject Code	Name Of Subject	Semester
1	21 Oe- 610	Open Elective - I	Vi
		Housing Policy And Planning	
		Role Of Craft And Technology In Interior Architecture	
2	21 Oe- 708	Open Elective - Ii	Vii
		Disaster Recovery And Build Back Better	
		Urban Governance And Development Management	