



# ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

("ವಿ ಟಿ ಯು ಅಧಿನಿಯಮ 1994"ರ ಅಡಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ)

## VISVESVARAYA TECHNOLOGICAL UNIVERSITY

(State University of Government of Karnataka Established as per the VTU Act, 1994)

Phone : 0831-2498100 / 240546

Fax : 0831-2405467

Email : registrar@vtu.ac.in

Web : https://vtu.ac.in

**Prof. B. E. Rangaswamy, Ph.D**  
REGISTRAR

REF: VTU/BGM/BOS/PG Scheme 2022/2024-25/ 935

Date: 29 MAY 2024

### CIRCULAR

**Sir/ Madam**

**Subject:** Feedback on M.Arch., Draft Scheme structure of Architecture for 2024 scheme regarding...

**Reference:** Draft Scheme prepared in BOS for Architecture in its meeting.

The board of studies for Architecture of VTU Belagavi prepared the draft scheme structure for postgraduate programs during their meeting held on 21<sup>st</sup> May, 2024. This notification informs all Architecture school directors/ HoD to notify everyone involved about the contents of the structure of the scheme.

Please note that the undersigned must receive comments /suggestions/opinion on or before June 8<sup>th</sup> 2024. (If any).

Thank you, sir,

Encl: Scheme template

Sd/-  
REGISTRAR

To,

**The Directors /HoD of all Architecture Schools under the ambit of the university.**

Copy to

- The Hon'ble Vice-Chancellor through the secretary to VC for information
- The Chairperson BoS in Architecture for information
- The Registrar (Evaluation) VTU Belagavi for information
- The Director ITI SMU VTU Belagavi with request to upload the circular on VTU web Portal
- Office copy

R  
29/05/24  
REGISTRAR  
7

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI**  
**Scheme of Teaching and Examinations – 2024**  
**M.Arch., in Title of the Program (XXX) (Font 12 Capital, Calibri**  
**Choice Based Credit System (CBCS) and Outcome-Based Education(OBE)**

**1 SEMESTER**

Sl. No	Course	Course Code	Course Title	Teaching Hours per Week				Examination				Credits			
				Theory		Studio/Seminar	Tutorial/ Skill Development/ Activities	Duration in hours	CIE Marks	SEE Marks	Total Marks				
				L	P/S								T/SDA		
1	ISC with PCC and PCCL (Integrated Studio Course)	24XXX11		01	05	01	00	50	50	100	6				
2	PCC	24XXX12		02	02	00	03	50	50	100	4				
3	PCC	24XXX13		03	00	01	03	50	50	100	4				
4	PSC	24XXX14		02	00	01	03	50	50	100	3				
5	PEC-1	24XXX15x		02	00	01	00	50	50	100	3				
6	PCCL	24XXXL16		02	00	01	00	50	50	100	3				
7	NCMC	24RMI17	Research Methodology and IPR (Online Course)	Online courses (online.vtu.ac.in)				12	07	05	06	300	300	600	23
<p>Note: <b>ISC</b>-Integrated Studio Course, <b>PCC</b>- Professional Core Course, <b>NCMC</b>- None Credit Mandatory Course, <b>PSC</b>- Professional Supportive Course to the specialization, <b>PCCL</b>-Professional Core Course lab, <b>PEC</b>- Professional Elective Course <b>AUD/AEC</b>- Audit Course / Ability Enhancement Course, <b>L-Lecture, S-Studio, T/SDA-Tutorial / Skill Development Activities</b> (Hours are for Interaction between faculty and students)</p>															
<b>Professional Elective Courses-1</b>															
1	24xxx151														
2	24xxx152														
3	24xxx153														
<p><b>Integrated Studio Course (ISC):</b> Refers to a Professional Studio Core Course Integrated with the theories/software relating to the studio. The theory part of the ISC shall be evaluated by CIE with regular assignment. The studio part shall be evaluated by both CIE &amp; SEE (Viva-Voce with the external examiner). <b>Professional Core Course (PCC):</b> Refers to a Course, which constitutes a major theory part of the particular specialization. <b>PSC:</b> Professional Supportive Course to the Specialisation. <b>PEC: Professional Elective Course:</b> Elective courses will provide some of the most valuable and additional knowledge. The students will benefit from electives as they imply additional knowledge. Students may select courses from a large array of subjects that enhance their knowledge.</p>															
<b>1. Studio:</b>															
(i) Students and studio coordinators to be involved individually or in groups to interact and enhance learning and application skills.															
(ii) The students should be involved with Industry/ Professional Bodies/ Stakeholders in issue identification followed by research/ case studies/ testing that results in creative and innovative solutions to the identified problems.															
(iii) Students will gain real-world experience by working with industry professionals															

(iv) Students must work on different software/s(tools) to simulate, analyze, and authenticate the output to interpret and conclude.

(v) Students must be involved in case studies and site visits/fieldwork.

(vi) Students must familiarize themselves with codes of standards to narrow the gap between academia and the respective domain-oriented industry.

2. All activities should enhance student's abilities for employment and/or self-employment opportunities, management skills, Statistical analysis, fiscal expertise, etc.

3. **Skill Development Activities:** They may be in the form of periodic site visits, guest lectures, and webinars, and seminars, need not be a fixed slot in timetables.

**Also the student Under Skill development activities in a respective program, the students should**

1. Interact with industry (construction/consultancy/product oriented).
2. Involve in research/testing/projects to understand their problems and help creative and innovative methods to solve the problem.
3. Involve in case studies and field visits/ fieldwork.

4. Accustom to the use of standards/codes/byelaws/zoning regulations etc., to narrow the gap between academia and industry.

All activities should enhance student's abilities to employment and/or self-employment opportunities, management skills, statistical analysis, fiscal expertise, etc. Students and the course faculty are to be involved either individually or in groups to interact together to enhance the learning and application skills of the study they have undertaken. The students with the help of the course teacher can take up relevant technical activities that enhance their skills. The prepared report shall be evaluated for CIE marks.

**4. Viva-voce:**

The viva -voce shall be conducted for a duration of 20 minutes (per student including if any group presentation) for the subjects listed under viva voce for all the semesters with one external examiner and one internal examiner.

**24RM119-Research Methodology and IPR- Non-Credit Mandatory Course (NCMC )** The student has to take this course at <http://online.vtu.ac.in> and qualifying in this course is compulsory before completion of the minimum duration of the program (Two years), however, this course will not be considered for **vertical progression**.

**Online Course:** These are the MOOC courses that the relevant stream's Board of Studies has recommended; you can access them at [www.online.vtu.ac.in](http://www.online.vtu.ac.in). To qualify for those courses, the students must complete 8-12 weeks duration courses. The courses chosen have not to be the same as that of the courses or subjects covered in the preceding semesters. Depending on the needs of the degree program, the BOS may recommend interdisciplinary courses. It is required to pass the course and qualify

**M.Arch. in Title of the Program (XXX) (Font 12 Capital, Calibri)**

**II SEMESTER - SCHEME A For the students who are willing to take a semester duration Industry internship**

Sl. No	Course	Course Code	Course Title	Teaching Hours /Week			Examination				Credits	
				Theory	Studio/ Seminar	Tutorial/ Skill Development Activities	Duration in hours	CIE Marks	SEE Marks	Total Marks		
				L	S	T/SDA						
1	ISC with PCC and PCCL (Integrated Studio Course)	24XXX21		02	06	00	00	00	50	50	100	9
2	PCC	24XXX22		02	00	02	03	50	50	100	4	
3	PCC	24XXX23		03	02	00	03	50	50	100	4	
4	PSC	24XXX24		02	00	02	03	50	50	100	3	
5	PEC-2	24XXX25x		02	00	02	--	100	--	100	3	
6	PSC	24XXX26		00	02	01	03	50	50	100	3	
7	PSC	24PRJ27	Dissertation Phas -I (Synopsis Submission)	00	00	01	00	100	00	100	2	
<b>TOTAL</b>				<b>11</b>	<b>10</b>	<b>10</b>	<b>21</b>	<b>450</b>	<b>250</b>	<b>700</b>	<b>28</b>	

**Professional Elective Courses-2**

Code	Course title	Code	Course Title
24-XX251		24-XX253	
24-XX252		24-XX254	

**M.Arch., in Title of the Programme (XXX) (Font 09 Capital, Calibri)**

**III SEMESTER ( SCHEME A) For the students who are willing to take a semester duration Industry internship**

Sl. No	Course	Course Code	Course Title	Teaching Hours /Week				Examination				Credits
				Theory	Studio/ Seminar	Tutorial/ Skill Development Activities	Duration in hours	CIE Marks	SEE Marks	Total Marks		
1	ISC/PCC	24PRJ31	Dissertation Phase-II	L 00	P 14	SDA 00	03	50	50	100	14	
2	PEC-3	24xxx32x	Professional Elective Course	02	00	02		50	50	100	03	
2	PEC-4	24xxx33x	BOS Recommended online course of a minimum of 8 -12 weeks duration								PP	
<b>TOTAL</b>				<b>02</b>	<b>14</b>	<b>02</b>	<b>03</b>	<b>100</b>	<b>100</b>	<b>200</b>	<b>17</b>	
<b>Professional Elective-3</b>												
<b>Course Code</b>	<b>Course Title</b>			<b>Course Code</b>				<b>Course Title</b>				
24XXX321												
24XXX322												
24XXX323												
24XXX324												
Note: PEC: Professional Elective Courses, L-Lecture, P-Practical, T/SDA-Tutorial / Skill Development Activities (Hours are for Interaction between faculty and students). INT: Internship: Research Internship / Industry Internship Leading to the project work /start-up, PROJ: Project Phase-I: Problem statement out of undergone Internship (Industry /Research) report submission												

**DISSERTATION (24PROJ31):** The objective of the Dissertation is

- To encourage independent learning and innovative attitude among the students.
- To develop an interactive attitude, communication skills, organization, time management, and presentation skills.
- To impart flexibility and adaptability.
- To inspire teamwork.
- To expand intellectual capacity, credibility, judgment, and intuition.
- To adhere to punctuality, goalsetting and meeting deadlines.
- To instill responsibilities to oneself and others.
- To train students to present the topic of project work in a seminar confidently, with enhanced communication skills, contribute to and exchange ideas in group discussions and foster the ability to receive positive criticism

**CIE procedure for Project Work:** The CIE marks shall be awarded by a committee consisting of the Head of the concerned Department and two senior faculty members of the Department one of whom shall be the Guide, or external reviewer whoever takes mid-review on invitation by the department. The CIE marks awarded for the dissertation work shall be based on the evaluation of the dissertation design/project Report, presentation skill, and question and answer session in the periodic reviews. 50% weightage to be given to the strategies & solutions developed.

**SEE procedure for Dissertation:** SEE for dissertation work will be conducted by the two examiners appointed by the University. The SEE marks awarded for the project work shall be based on the evaluation of the thesis work Report, project presentation skill, and question and answer session in the ratio 50:25:25.

M.Arch., in Title of the Programme (XXX) (Font 09 Capital, Calibri)												
IV SEMESTER (A) For the students who are willing to take a semester duration Industry internship												
Sl. No	Course	Course Code	Course Title	Teaching Hours /Week			Duration in hours	Examination				
				Theory	Practical /Field work	P		CIE Marks	SEE Marks	Viva Voce	Total Marks	Credits
1	INT	24INT41	Internship	L				100	100	100	200	12
<b>TOTAL</b>							<b>08hrs/ day</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>200</b>	<b>12</b>

Scheme A: TOTAL CREDITS: 23+28+17+12=80 (with a one-semester internship in 4<sup>th</sup> semester)

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI Scheme of Teaching and Examinations – 2024 <b>M.Arch., in Title of the Program (XXX) (Font 12 Capital, Calibri)</b> Choice Based Credit System (CBCS) and Outcome-Based Education(OBE)													
I SEMESTER													
Sl. No	Course	Course Code	Course Title	Teaching Hours per Week				Duration in hours	Examination			Credits	
				Theory	Studio/Seminar	Skill Development / Tutorial	CIE Marks		SEE Marks	Total Marks			
				L	P	T/							
	ISC with PCC and PCCL (Integrated Studio Course)	24XXX11		0	0	01	0	5	5	1	6		
	PCC	24XXX12		2	2	00	0	5	5	1	4		
	PCC	24XXX13		3	0	01	0	5	5	1	4		
	PSC	24XXX14		2	0	01	0	5	5	1	3		
	PEC-1	24XXX15x		2	0	01	0	5	5	1	3		
	PCCL	24XXX16		2	0	01	0	5	5	1	3		
	NCMC	24RMI17	Research Methodology and IPR (Online Course)	Online courses (online.vtu.ac.in)									PP
				1	0	05	0	3	3	6	23		
				2	7	00	6	00	00	00			
Note: ISC-Integrated Studio Course, PCC- Professional Core Course, NCMC- None Credit Mandatory Course, PSC- Professional Supportive Course to the specialization, PCCL-Professional Core Course lab, PEC- Professional Elective Course AUD/AEC –Audit Course / Ability Enhancement Course, L-Lecture, S-Studio, T/SDA-Tutorial / Skill Development Activities (Hours are for Interaction between faculty and students)													
<b>Professional Elective Courses-1</b>													
	<b>Code</b>												
	24-xxx151												
	24-xxx152												
	24-xxx153												
<b>Integrated Studio Course (ISC):</b> Refers to a Professional Studio Core Course Integrated with the theories/software relating to the studio. The theory part of the ISC shall be evaluated by CIE with regular assignment. The studio part shall be evaluated by both CIE & SEE (Viva-Voce with the external examiner). <b>Professional Core Course (PCC):</b> Refers to a Course, which constitutes a major theory part of the particular specialization. <b>PSC:</b> Professional Supportive Course to the Specialisation. <b>PEC: Professional Elective Course:</b> Elective courses will provide some of the most valuable and additional knowledge. The students will benefit from electives as they													

imply additional knowledge. Students may select courses from a large array of subjects that enhance their knowledge.

#### 1. Studio:

- (i) Students and studio coordinators to be involved individually or in groups to interact and enhance learning and application skills.
- (ii) The students should be involved with Industry/ Professional Bodies/ Stakeholders in issue identification followed by research/ case studies/ testing that results in creative and innovative solutions to the identified problems.
- (iii) Students will gain real-world experience by working with industry professionals
- (iv) Students must work on different software/ s(tools) to simulate, analyze, and authenticate the output to interpret and conclude.
- (v) Students must be involved in case studies and site visits/fieldwork.
- (vi) Students must familiarize themselves with codes of standards to narrow the gap between academia and the respective domain-oriented industry.

2. All activities should enhance student's abilities for employment and/or self-employment opportunities, management skills, Statistical analysis, fiscal expertise, etc.

3. **Skill Development Activities:** They may be in the form of periodic site visits, guest lectures, and webinars, and seminars, need not be a fixed slot in timetables.

**Also the student Under Skill development activities** in a respective program, the students should

1. Interact with industry (construction/consultancy/product oriented).
2. Involve in research/testing/projects to understand their problems and help creative and innovative methods to solve the problem.
3. Involve in case studies and field visits/ fieldwork.
4. Accustom to the use of standards/codes/byelaws/zoning regulations etc., to narrow the gap between academia and industry.

All activities should enhance student's abilities to employment and/or self-employment opportunities, management skills, statistical analysis, fiscal expertise, etc. Students and the course faculty are to be involved either individually or in groups to interact together to enhance the learning and application skills of the study they have undertaken. The students with the help of the course teacher can take up relevant technical activities that enhance their skills. The prepared report shall be evaluated for CIE marks.

#### 4. Viva-voce:

The viva-voce shall be conducted for a duration of 20 minutes (per student including if any group presentation) for the subjects listed under viva voce for all the semesters with one external examiner and one internal examiner.

**24RMI19-Research Methodology and IPR- Non-Credit Mandatory Course (NCMC)** The student has to take this course at <http://online.vtu.ac.in> and qualifying in this course is compulsory before completion of the minimum duration of the program (Two years), however, this course will not be considered for **vertical progression**.

**Online Course:** These are the MOOC courses that the relevant stream's Board of Studies has recommended; you can access them at [www.online.vtu.ac.in](http://www.online.vtu.ac.in). To qualify for those courses, the students must complete 8-12 weeks duration courses. The courses chosen have not to be the same as that of the courses or subjects covered in the preceding semesters. Depending on the needs of the degree program, the BOS may recommend interdisciplinary courses. It is required to pass the course and qualify



**M.Arch. Title of the Program (XXX) (Font 12 Capital, Calibri) SCHEME B**

**II SEMESTER- (SCHEME B)**

Sl. No	Course	Course Code	Course Title	Teaching Hours /Week			Examination				Credits
				Theory	Studio/ Seminar	Tutorial/ Skill Development	Duration in hours	CIE Marks	SEE Marks	Total Marks	
1	ISC with PCC and PCCL (Integrated Studio Course)	24XXX21		03	06	00	00	50	50	100	9
2	PCC	24XXX22		02	00	02	03	50	50	100	4
3	PCC	24XXX23		02	02	00	03	50	50	100	4
4	PSC	24XXX24		02	00	01	03	50	50	100	3
5	PEC-2	24XXX25x		02	00	01	--	100	--	100	3
6	PSC	24XXX26		00	02	01	03	50	50	100	3
<b>TOTAL</b>				<b>11</b>	<b>10</b>	<b>05</b>	<b>12</b>	<b>350</b>	<b>250</b>	<b>600</b>	<b>26</b>

**Professional Elective 2**

Course Code under	Course title
24-XX251	
24-XX252	
24-XX253	
24-XX254	

**M.Arch., in Title of the Programme (XXX) (Font 12 Capital, Calibri)**

**III SEMESTER (SCHEME B)**

Sl. No	Course	Course Code	Course Title	Teaching Hours /Week				Examination				Credits
				Theory		Mini-Project/ Internship	Tutorial/ Skill Development Activities	Duration in hours	CIE Marks	SEE Marks	Total Marks	
				L	P							
1	ISC/IDC (Integrated studio/Dissertation course)	24xxx31		2	6	2	3	50	50	100	7	
4	PEC-3	24xxx34x		3			--	50	50	100	3	
5	INT	24INT35	Industry Internship ( 3 months, after 2 <sup>nd</sup> semester and before 3 <sup>rd</sup> semester in the vocation) Viva-Voce to be conducted)					50	50	100	9	
6	PEC-4	24xxx36	BOS Recommended online course								PP	
<b>TOTAL</b>				5	06	02	03	150	150	300	19	

**M.Arch., in Title of the Programme (XXX) (Font 12 Capital, Calibri)**

**IV SEMESTER (SCHEME B)**

Sl. No	Course	Course Code	Course Title	Teaching Hours /Week		Duration in hours	Examination			Credits
				Theory	Practical / Field work		CIE Marks	SEE Marks Viva voce	Total Marks	
						L				
1	Dissertation	24PRJ41	Dissertation	--	08	00	50	50	100	12
					08	00	50	50	100	12

**DISSERTATION (24PRJ41):** The objective of the Dissertation is

- To encourage independent learning and innovative solutions.
- To develop communication skills, organization, time management, and presentation skills.

- To impart flexibility and adaptability.
- To inspire teamwork.
- To expand intellectual capacity, credibility, judgment, and intuition.
- To adhere to punctuality, goal setting, and meeting deadlines.
- To instill responsibilities to oneself and others.
- To train students to present the topic of project work in a seminar confidently, with enhanced communication skills, contribute to and exchange ideas in group discussions, and foster the ability to receive positive criticism

**CIE procedure for Project Work:**

The CIE marks shall be awarded by a committee consisting of the Head of the concerned Department and two senior faculty members of the Department one of whom shall be the Guide, or external reviewer whoever takes mid-review on invitation by the department. The CIE marks awarded for the dissertation work shall be based on the evaluation of the dissertation/design/project Report, presentation skill, and question and answer session in the periodic reviews. 50% weightage to be given to strategies and solutions developed. 25% to the report and presentation, and 25% to question answers.

**SEE procedure for Dissertation:** SEE for dissertation work will be conducted by the two examiners appointed by the University. The SEE marks awarded for the project work shall be based on the evaluation of the thesis work Report, project presentation skill, and question and answer session in the ratio 50:25:25.

**Scheme B: TOTAL CREDITS: 23+26+19+12=80 (with 3 months vacation internship after 2<sup>nd</sup> semester).**