



# ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

"ವಿಷಯ ಅಭಿವೃದ್ಧಿ"ರ ಅಡಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಪ್ರಾಪ್ತವಾದ ಹೆಚ್ಚು ಸತ್ಯವಿದ್ಯಾಲಯ  
"ಜ್ಞಾನ ಸಂಗಮ", ಬೆಳಗಾವಿ-ಚಿಕ್ಕೋರ, ಕರ್ನಾಟಕ, ಭಾರತ

## Visvesvaraya Technological University

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

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Date:

30 NOV 2021

### Revised - CIRCULAR

**Subject:** Correction in the 3<sup>rd</sup> semester M.Tech., Scheme regarding ....

**Reference:**

1. Chairperson BoS in Civil Engineering Opinion dated 20.11.2021
2. Hon'ble Vice-Chancellor's Approval dated 25.11.2021

Concerning the subject mentioned above, the **Mini-Project (20xxx35)** is a compulsory course in the 3<sup>rd</sup> semester of all the M.Tech., programs (2020 scheme) of the University. This component is missing in the following PG programs scheme;

1. M.Tech., in Construction Technology
2. M.Tech., in Geotechnical Engineering
3. M.Tech., in Water Resource Management

The corrected copy of the scheme is attached with this letter for all stakeholders' information. All the students who are admitted to the 3<sup>rd</sup> semester of the above-mentioned programs have to undertake a Mini-Project(20xxx35) and pass this course to qualify for the award of the degree.

You are hereby informed to bring the content of the circular to the notice of all the faculty and students concerned.

**Enclosures;** 3rd-semester scheme of

- M. Tech., in Construction Technology
- M.Tech., in Geotechnical Engineering
- M.Tech., in Water Resource Management

Sd/-  
REGISTRAR

To,  
The Principals of

1. JAIN COLLEGE OF ENGINEERING, BELAGAVI
2. KARAVALI INSTITUTE OF TECHNOLOGY MANGALORE
3. KVG COLLEGE OF ENGINEERING SULLIA. D.K.

4. N.M.A.M.INSTITUTE OF TECHNOLOGY NITTE
5. SHREE DEVI INSTITUTE OF TECHNOLOGY, MANGALURU
6. BMS COLLEGE OF ENGINEERING, BENGALURU
7. EAST POINT COLLEGE OF ENGINEERING & TECHNOLOGY,  
BENGALURU
8. NAGARJUNA COLLEGE OF ENGINEERING & TECHNOLOGY
9. VIJAYA VITTALA INSTITUTE OF TECHNOLOGY BANGALORE
10. VTU Regional Centre KALABURGI
11. BHEEMANNA KHANDRE INSTITUTE OF TECHNOLOGY BHALKI
12. EAST-WEST INSTITUTE OF TECHNOLOGY BANGALORE
13. BHEEMANNA KHANDRE INSTITUTE OF TECHNOLOGY BHALKI

**Copy to:**

1. The Vice-Chancellor, through the secretary to V.C., VTU, Belagavi for information.
2. The Registrar (Evaluation) for information and needful
3. The Director SMU, CNC ITI VTU Belagavi for information and needful and request to upload the same on the VTU web portal in the section 'Circular and Notification'.
4. The Caseworker BOS section for information and follow up

  
**REGISTRAR**  


VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI  
Scheme of Teaching and Examinations – 2020 - 21  
**M.Tech in Construction Technology (CCT)**  
Choice Based Credit System (CBCS) and Outcome-Based Education (OBE)

III Semester											
Sl. No.	Course Type	Course Code	Course Title	Teaching Hours/Week			Examination				Credits
				Theory	Practical Field work/ Assg	SDA	Duration	CIE Marks	SEE marks	Total	
1	PCC	20CCT31	Construction Contracts, Specifications, and Estimation	4	--		3	40	60	100	4
2	PEC	20CCT32X	Professional elective III	3	--		3	40	60	100	3
3	PEC	20CCT33X	Professional elective IV	3	--		3	40	60	100	3
4	Project	20CCT34	Project Work phase I	--	2		--	100	--	100	2
5	Project	20CCT35	Mini-Project	--	2		--	100	---	100	2
6	INT	20CCTI36	Internship	(Completed during the intervening vacation of I and II semesters and /or II and III semesters.)			3	40	60	100	6
<b>Total</b>				<b>10</b>	<b>4</b>	<b>0</b>	<b>12</b>	<b>360</b>	<b>240</b>	<b>600</b>	<b>20</b>

Note: PCC: Professional core, PEC: Professional Elective

Professional elective III		Professional elective IV	
Course title	Course Code under	Course title	Course Code under
1. Restoration and Rehabilitation of Structures	20CCT32X	1. Energy and Buildings	20CCT33X
2. Construction Demolition and Waste Management	20CCT321	2. Disaster Management Techniques	20CCT331
3. Design of Pre-stressed Concrete Structures	20CCT322	3. Advanced Design of Steel Structures	20CCT332
	20CCT323		20CCT333

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI  
Scheme of Teaching and Examinations - 2020 - 21  
M.Tech in Geotechnical Engineering  
Choice Based Credit System (CBCS) and Outcome Based Education(OBE)

III Semester											
Sl. No.	Course Type	Course Code	Course Title	Teaching Hours/Week			Examination			Credits	
				Theory	Practical Field work/ Assg	SDA	Duration	CIE Marks	SEE marks		Total
1	PCC	20CGT31	Unsaturated Soil Mechanics	4	-		3	40	60	100	4
2	PEC	20CGT32X	Professional Elective Course - 2	3	-		3	40	60	100	3
3	PEC	20CGT33X	Professional Elective - 2	3	-		3	40	60	100	3
4	Project	20CGT34	Project Work phase I	-	2		-	100	-	100	2
5	Project	20CGT35	Mini-Project	-	2		--	100	---	100	2
6	INT	20CGT36	Internship	Conducted in the vacation between I & II sem or II and III semester			3	40	60	100	6
<b>Total</b>				<b>10</b>	<b>4</b>	<b>0</b>	<b>12</b>	<b>360</b>	<b>240</b>	<b>600</b>	<b>20</b>

Professional Elective Course - 3		Professional Elective Course -4	
20CGT321	Earth and Earth Retaining Structures	20CGT331	Finite Elements in Geotechnical Engineering
20CGT322	Earthquake Resistant Design of Foundations	20CGT332	Expansive Soil Engineering
20CGT323	Earth and Rock fill dams and slope stability	20CGT333	Offshore Geotechnical Engineering
20CGT324	Optimization Techniques in Geotechnical Engineering	20CGT334	Ground water contamination and remediation

**Note:**

- Project Phase-I:** Students in consultation with the guide/co-guide if any, shall pursue literature survey and complete the preliminary requirements of selected Project work. Each student shall prepare relevant introductory project document, and present a seminar. CIE marks shall be awarded by a committee comprising of HOD as Chairman, Guide/co-guide if any, and a senior faculty of the department. The IA marks awarded for project work phase-I, shall be based on the evaluation of Project Report. Project Presentation skill and Question and Answer session in the ratio 50:25:25. SEE (University examination) shall be as per the University norms.
- Internship:** Those, who have not pursued/completed the internship, shall be declared as failed and have to complete during subsequent University examinations after satisfying the internship requirements. Internship SEE (University examination) shall be as per the University norms.

The CIE marks awarded for Technical Seminar, shall be based on the evaluation of Seminar Report, Presentation skill and performance in Question and Answer session in the ratio 50:25:25.

2. **Internship:** All the students shall have to undergo mandatory internship of 6 weeks during the vacation of I and II semesters and /or II and III semesters. A University examination shall be conducted during III semester and the prescribed internship credit shall be counted in the same semester. Internship shall be considered as a head of passing and shall be considered for the award of degree. Those, who do not take-up/complete the internship shall be declared as fail in internship course and have to complete the same during the subsequent University examination after satisfying the internship requirements.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI											
Scheme of Teaching and Examinations - 2020 - 21											
M.Tech Water Resource Management (WRM)											
Choice Based Credit System (CBCS) and Outcome Based Education(OBE)											
III SEMESTER											
Sl. No	Course	Course Code	Course Title	Teaching Hours /Week			Examination			Credits	
				Theory	Practical/ Mini-Project/ Internship	Skill Development activities	Duration in hours	CIE Marks	SEE MARKS		Total Marks
				L	P	SDA					
1	PCC	20WRM31	Sediment Transport	03	--	02	03	40	60	100	4
2	PEC	20WRM32X	Professional elective 3	03	--	--	03	40	60	100	3
3	PEC	20WRM33X	Professional elective 4	03	--	--	03	40	60	100	3
4	Project	20WRM34	Project Work phase -1	--	02	--	--	100	--	100	2
6	Project	20WRM35	Mini Project	--	02	---	---	100	---	100	2
5	INT	20WRM135	Internship	(Completed during the intervening vacation of I and II semesters and /or II and III semesters.)			03	40	60	100	6
<b>TOTAL</b>				09	04	02	12	360	240	600	20
<b>Note: PCC: Professional core, PEC: Professional Elective.</b>											
<b>Professional elective 3</b>						<b>Professional elective 4</b>					
<b>Course Code under</b>		<b>Course title</b>		<b>Course Code under</b>		<b>Course title</b>					
20WRM321		Theory of Seepage & earthen dams		20WRM331		Watershed Conservation & Management					
20XXX322		Water power and dam engineering		20WRM332		Integrated Watershed Management					
<b>Note:</b>											
1. <b>Project Work Phase-1:</b> Students in consultation with the guide/co-guide if any, shall pursue literature survey and complete the preliminary requirements of selected Project work. Each student shall prepare relevant											