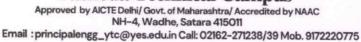




# Yashoda Technical Campus





**Faculty of Engineering** 

### DEPARTMENT OF CIVIL ENGINEERING

## Academic Year 2024-25

Semester-ODD

## Structure of Course

Class	Final Year Sem. – VIII
Course Code and Course Title	BTCVSS801D Maintenance and Repair of Concrete Structures
Prerequisite/s	Basic Civil Engineering, Building Construction Drawing, Concrete Technology
Teaching Scheme: Lecture	2
Credits	2
Evaluation Scheme: CA/MSE/ESE	20/20/60 or NPTEL Score

#### Course Outcomes:

Course Outcomes (C Upon successful com	Course Outcomes (COs): Upon successful completion of this course, the student will be able to:						
Explain Importance of maintenance of concrete structures and corrosion of metal.							
BTCVSS801D_2	Illustrate durability parameters of concrete structure.	L3					
BTCVSS801D_3	Explain methods of strength evaluation concrete structures.	L3					
BTCVSS801D_4	Describe the significance of service/exposure properties of repair material and repair techniques.	L3					
BTCVSS801D_5	Select suitability of strengthening techniques for concrete structure.	L3					

# Mapping of CO's with PO's and PSO's:

Course Outcomes		Program Outcomes														
	1	2	3	4	5	6	7	8	9	10	11	12	PSO1	PSO2	PSO3	
BTCVSS801D _1	2					2	21	2				2	1	2	2	
BTCVSS801D _2	2	2	1			1	1	1				2	1	2	1	
BTCVSS801D _3	2	1	2		2	1	12	2		1		2	1	2	2	
BTCVSS801D _4	2	2	1			1	12					2	1	2	2	
BTCVSS801D _5	2	1	1			1	12					2	1	2	2	
Total	10	6	5		2	6	58	5		1		10	5	10	9	
Average	2	1.5	1.25		2	1.2	11.6	1.67		1		2	1	2	1.8	
BTCVSS801D	2	2	1		2	1	1	2		1		2	1	2	2	

**Course Coordinator** 

Verified by Academic Coordinator

Approved by HOD

Vision: To become centre of excellence by producing Civil engineers having research and development activity sound technical knowledge, professional skills and social awareness to serve society YSPM'S Yashoda Technical Campus, Satara

M1: To impart quality technical education through interactive teaching learning method.

M2: To promote research and development activity by encouraging creativity and exposure to real world problem.

M3: To mentor students for innovating thinking with relevance to entrepreneurship M4: To develop social awareness in graduates to serve society.



#### Yashoda Shiskshan Prsarak Mandal's

### Yashoda Technical Campus

Approved by AICTE Delhi/ Govt. of Maharashtra/ Accredited by NAAC NH-4, Wadhe, Satara 415011

Email: principalengg\_ytc@yes.edu.in Call: 02162-271238/39 Mob. 9172220775



**Faculty of Engineering** 

### DEPARTMENT OF CIVIL ENGINEERING

### Academic Year 2024-25

**Semester-ODD** 

#### **Structure of Course**

Class Harry IV	Final Year Sem. – VIII
Course Code and Course Title	BTCVSS802C Remote Sensing Essentials
Prerequisite/s	Surveying
Teaching Scheme: Lecture	2
Credits	2
Evaluation Scheme: CA/MSE/ESE	20/20/60 or NPTEL Score

#### **Course Outcomes:**

Course Outcomes (C Upon successful comp	Os): pletion of this course, the student will be able to:	Blooms Level						
BTCVSS802C_1 Explain various remote sensing techniques and stages of remote sensing.								
BTCVSS802C _2	Discuss various types and platform of remote sensing	1 L3 0						
BTCVSS802C_3	Explain process of digital image processing for supervised and unsupervised classification.	L3						
BTCVSS802C _4	Describe application of remote sensing and GIS in civil engineering.	L3						

## Mapping of CO's with PO's and PSO's:

Course Outcomes	Program Outcomes														
	01	2	3	4	5	6	7	8	9	10	11	12	PSO1	PSO2	PSO3
BTCVSS802C	2	2	1	TIE 3	2	1	1	1	1	1	1	2	2	2	2
BTCVSS802C	2	2	ngh	137117	2	1	1	1	nsin!	1	mind	2	2	2	2
BTCVSS802C	2	2		2	2	1	1		1	1	1	2	2	2	2
BTCVSS802C	2	2	3237	2	2	1	1		1	1	1	2	2	2	2
Total	8	8	1	4	8	4	4	2	3	4	3	8	8	8	8
Average	2	2	1	2	2	1	1	1	1	1	1	2	2	2	2
BTCVSS802C	2	2	1	2	2	1	1	1	1	1	1	2	2	2	2

Prepared by **Course Coordinator** 

Verified b Academic Coordin

Faculty of

Satara

Approved by HOD H.O.D.

Civil Engineering

SPM'S Yashoda Technical Campus, Satara

Vision: To become centre of excellence by producing Civil engineers having research and development activity, sound technical knowledge, professional skills and social awareness to serve society. Mission:

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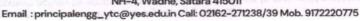
M4: To develop social awareness in graduates to serve society.





# Yashoda Technical Campus

Approved by AICTE Delhi/ Govt. of Maharashtra/ Accredited by NAAC NH-4, Wadhe, Satara 415011





Faculty of Engineering

#### DEPARTMENT OF CIVIL ENGINEERING

#### Academic Year 2024-25

Semester- EVEN

#### Structure of Course

Class	Final Year Civil semester VIII
Course Code and Course Title	BTCVP803, Project Stage II
Prerequisite/s	Basic Civil Engineering, Mini Project, Project Phase I
Teaching Scheme: Lecture/Tutorial/Practical	02
Credits	12
Evaluation Scheme: CA/ESE	100/100

#### **Course Outcomes:**

Course Outcomes (COs): After successful completion of this course, the student will be able to:								
BTCEP803_1 Identify thrust area in civil engineering and finalize problem statement.								
BTCEP803_2	Formulate the methodology and give conclusion on the basis of results.							
BTCEP803_3	Practice as an individual or in a team in development of technical projects.	L3						
BTCEP803_4	BTCEP803_4 Apply project management skills.							
BTCEP803_5	Summarize technical information by means of report and presentation.	L5						

#### Mapping of CO's with PO's and PSO's:

Course Outcomes		Program Outcomes														
	1	2	3	4	5	6	7	8	9	10	11	12	PSO1	PSO2	PSO3	
BTCVP803_1	3	2	2	2	1	2	2	2	1	2		2	2	2	3	
BTCVP803_2	2	2	2	2	2			2	1	2	1	2	2	2	2	
BTCVP803_3	1							2	3	2	2	2	2	2	2	
BTCVP803_4	2				2	2	1	2	2	2	3	2	2	2	2	
BTCVP803_5					2	2	1		3	3		2		2	2	
Total	8	4	4	4	7	6	4	8	10	11	6	10	8	10	11	
lverage	2.00	2.00	2.00	2.00	1.75	2.00	1.33	2.00	2.00	2.20	2.00	2.00	2.00	2.00	2.20	
BTCVP803	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	

Prepared by **Course Coordinator** 

Faculty of Verified by Academic Coordinatingg.(Civi

Tech

Satara

Approved by HOD

H.O.D.

Civil Engineering YSPM'S Yashoda Technical Campus, Satara

Department of Civil Engineering

Vision: To become centre of excellence by producing Civil engineers having research and development activity, sound technical knowledge, professional skills and social awareness to serve society.

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