

#### Rajarambapu Institute of Technology, Sakharale

(An Autonomous Institute, affiliated to Shivaji University, Kolhapur)

## Curriculum Structure and Evaluation Scheme With effective from 2020-21 [2020-24 & 2021-25 Batch] Department of Civil Engineering

Rev: CE/RIT/02/2020-24 Semester: III

Class: S. Y. B. Tech.

	1. B. 1001.	T	eachin	g Sche	me				ation	Scheme	
Course					92	9	Theor	у (М	arks)	Practi	cal (Marks )
Code	Course	L	T	P	Credits	Scheme	Max.	pas	o. for sing	Max.	Min. for passing %
						ISE	20			-	-
CE2033	Engineering Mechanics	3			3	UT1	15	40	40	-	-
CE2033	Engineering Weenames	3	-	`	3	UT2	15		40	-	-
						ESE	50	40		-	-
				3		ISE	20			-	-
CDANEA	C					UT1	15	40	40	-	-
CE2053	Strength of Material	3	-	-	3	UT2	15		40	-	-
						ESE	50	40			_
		<b> </b>				ISE	20	10		-	
	Professional Ethics,					UT1	15	40			-
CE2193	Values & Code of	2	-	-	2	UT2	15	10	40	-	<del>                                     </del>
	Conduct					ESE	50	40		_	_
						ISE	20	10			
	Building Planning and	3				UT1	15	40		-	-
CE2213	Design		-	-	3	UT2	15	40	40	-	<del>                                     </del>
	Dosign					ESE	50	40			-
		<u> </u>				ISE	20	10		-	<del></del>
						UT1	15	40		-	-
CE2073	Surveying	3	-	-	3	UT2	15		40	-	-
						ESE	50	40		_	-
CITALEA	F	7.4				ISE	50	40	40	-	-
SH2173	Environmental Science	1*	-	-	1	ESE	50	40	40	-	-
CE2233	Building Planning and				_	ISE	-	-	-	50	50
	Design Laboratory	-	-	4	2	ESE	-	-	-	50	50
CE2113	Companies I also and a man			2	1	ISE	-	-		50	50
CEZIIS	Surveying Laboratory	-	-	2	1	ESE	-	-		50	50
CE2133	Strength of Materials Laboratory	-	-	2	1	ISE	-	-		100	50
CE2153	Technical Aptitude-I			2	1	ISE	-	-		50	50
CHEISS				2	1	ESE	-	-		50	50
CE2173	Engineering Mechanics Laboratory	-	-	2	1	ISE	-	-		100	50
SH2603	Environmental Science Project	-	-	2	1	ISE	-	-		100	50
	Open Elective –II Professional Skills Development & Foreign Languages Programme I	-	-	2	1	ISE ESE	-	-		60 40	50 50
	TOTAL	15	0	16	23	-	-	-	-		-

ISE = In Semester Evaluation, UT-1 = Unit Test-1, UT-2 = Unit Test-2 & ESE = End Semester Examination

**Total Contact Hours/week** 

: 31

**Total Credits** 

: 23

Notes: \*One extra lecture to be allotted to Environment Science in Time Table.

\*\*Internship will be carried out after completion of semester III for 4 Weeks. The evaluation will be done at the end of semester IV.

Courses for Technical Aptitude-I: Engg. Mechanics, Strength of Materials, Surveying, Building Planning and



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### Curriculum Structure and Evaluation Scheme With effective from 2020-21 [2020-24 & 2021-25 Batch] Department of Civil Engineering

Rev: CE/RIT/02/2020-24

#### Open Elective -II

List of Professional Skills Development & Foreign Languages Programme I

Sr. No.		Subject Name	Course Code
1.	Professional Skills	Professional Leadership Skills	SH2633
2.	Development & Foreign Languages Programme I	Interpersonal Skills ('Jeevanvidya for Work Life Balance')	SH2613
3.		Innovation Tools and Methods for Entrepreneurs	SH2693
4.		Personal Effectiveness & Body Language	SH2593
5.	,	German Language – Basic Level	SH2733
6.		Japanese Language – Level III	SH2713

#### Note:

- 1. A student has to complete any two courses out of six choices offered under Choice Based Soft Skills Programme. A course in each semester will be allocated without any repetition.
- 2. The students who have completed 'German Language Lab' or 'Japanese Language Lab' in F.Y. B. Tech should not give their choice for 'German Language Basic Level' and 'Japanese Language Basic Level'. Such students may give their choices for 'German Language Advanced Level' and 'Japanese Language Advanced Level' (batch size 40 each) in the S.Y. B. Tech Sem-IV only.
- 3. The students who will select and will successfully complete 'German Language Basic Level' and 'Japanese Language –Level III' in S.Y. B. Tech Sem-III will by default (mandatorily) appear for Advance Levels of said courses in Semester-IV.









### Rajarambapu Institute of Technology, Sakharale

(An Autonomous Institute, affiliated to Shivaji University, Kolhapur)

#### **Curriculum Structure and Evaluation Scheme** With effective from 2020-21 [2020-24 & 2021-25 Batch] **Department of Civil Engineering**

Rev: CE/RIT/02/2020-24 Semester: IV

Class: S. Y. B. Tech.

		Te	achin	g Sch	eme			Evalua	tion S	Scheme	
Course	Course	_	_	_	lits	me	Theor	y (Mark	(s)	Practica	ıl (Marks )
Code		L	Т	P	Credits	Scheme	Max.	Min. passin		Max.	Min. for passing%
						ISE	20			-	_
SH2063	Engineering Mathematics	3	1	_	4	UT1	15	40	40	-	
	III					UT2	15	40		-	-
						ESE	50	40		-	
						ISE	20	40		-	-
CE2043	Concrete Technology	3	-	-	3	UT1 UT2	15 15	40	40	-	-
1								40		-	
						ESE	50	40		-	
						ISE	20	40		-	-
CE2063	Fluid Mechanics	3	-	-	3	UT1 UT2	15	40	40	-	-
						ESE	15 50	40		-	-
						ISE	20	40			-
			7-	-	3	UT1	15	40			-
CE2083	Mechanics of Structures	3				UT2	15		40		
						ESE	50	40			
	Applications of					ISE	-	_		50	50
CE2123	Programming Language in Civil Engineering	-	-	2	1	ESE	-	-		50	50
CE2143	Engineering Geology Laboratory	-	-	2	1	ISE	-	-		100	50
CE2163	Fluid Mechanics Laboratory	-	-	2	1	ISE	-	_		100	50
CE2102	Concrete Technology			2	1	ISE	-	-		50	50
CE2183	Laboratory	-		2	1	ESE	-	-		50	50
CE2203	Tachnical Antituda II	500	70.00	2	1	ISE	-	-		50	50
CE2203	Technical Aptitude-II	-	-	2	1	ESE	-	-		50	50
	Open Elective –III					ISE	-	-		60	50
	Professional Skills Development & Foreign Languages Programme II	-	-	2	1	ESE	-	-	90,000	40	50
CE2223	Internship	**	-	-	2	ISE	-	-		100	50
	TOTAL	12	1	12	21	-	-	-		-	-

ISE = In Semester Evaluation, UT-1 = Unit Test-1, UT-2 = Unit Test-2 & ESE = End Semester Examination

**Total Contact Hours/week** 

: 25

**Total Credits** 

: 21

Courses for Technical Aptitude-II: Engineering Mathematics III, Mechanics of Structures, Fluid Mechanics, Concrete Technology





<sup>\*\*</sup>Internship will be carried out after completion of semester III for 4 Weeks. The evaluation will be done at the end of semester IV.



#### Rajarambapu Institute of Technology, Sakharale

(An Autonomous Institute, affiliated to Shivaji University, Kolhapur)

### Curriculum Structure and Evaluation Scheme With effective from 2020-21 [2020-24 & 2021-25 Batch] Department of Civil Engineering

Rev: CE/RIT/02/2020-24

#### Open Elective -III

List of Professional Skills Development & Foreign Languages Programme II

Sr. No.		Subject Name	Course Code
1.	Professional Skills	Professional Leadership Skills	SH2633
2.	Development & Foreign Languages	Interpersonal Skills ('Jeevanvidya for Work Life Balance')	SH2613
3.	Programme II	Innovation Tools and Methods for Entrepreneurs	SH2693
4.		Personal Effectiveness & Body Language	SH2593
5.		German Language – Advanced Level	SH2643
6.		Japanese Language – Level IV	SH2623

#### Note:

- 1. A student has to complete any two courses out of six choices offered under Choice Based Soft Skills Programme. A course in each semester will be allocated without any repetition.
- 2. The students who have completed 'German Language Lab' or 'Japanese Language Lab' in F.Y. B.Tech should not give their choice for 'German Language Basic Level' and 'Japanese Language Basic Level'. Such students may give their choices for 'German Language Advanced Level' and 'Japanese Language Advanced Level' (batch sizes 40 each) in the S.Y. B. Tech. Sem-IV only.
- 3. The students who will select and will successfully complete 'German Language Basic Level' and 'Japanese Language –Level III' in S.Y. B.Tech Sem-III will by default (mandatorily) appear for Advance Levels of said courses in Semester-IV.









### Rajarambapu Institute of Technology, Sakharale

(An Autonomous Institute, affiliated to Shivaji University, Kolhapur)

#### **Curriculum Structure and Evaluation Scheme** With effective from 2020-21 [2020-24 & 2021-25 Batch] **Department of Civil Engineering**

Rev: CE/RIT/02/2020-24 Semester: V

Class: T. Y. B. Tech.

	1. B. Tech.	Te	achi	ing S	cheme			Eval	uation S	ster: v cheme	
Course	Comme				I	ne	Theo		larks )		cal (Marks )
Code	Course	L	T	P	Credits	Scheme	Max.		in. for	Max.	Min. for passing%
						ISE	20			-	-
CE3013	Design of Steel	3	_	_	3	UT1	15	40	40	-	-
CESUIS	Structures				)	UT2	15		70	-	-
						ESE	50	40		-	-
						ISE	20			-	-
CE3033	Geotechnical	3	_	_	3	UT1	15	40	40	-	-
CESUSS	Engineering	3	-	_	,	UT2	15	40	-	-	
						ESE	50	40		-	-
						ISE	20			-	-
CE3053	Irrigation and Hydraulic	3			3	UT1	15	40	40	-	-
CESUSS	Structures	3	-	-	3	UT2	15		40	-	-
						ESE	50	40		-	-
						ISE	20			-	-
CIDADA	Environmental	1			,	UT1	15	40	40	-	-
CE3073	Engineering	3	-	-	3	UT2	15		40	-	-
						ESE	50	40		-	_
						ISE	20			_	_
~~~~	Transportation				_	UT1	15	40		7 <u>-</u>	_
CE3093	Engineering	3	-	-	3	UT2	15	1	40		_
						ESE	50	40		-	-
						ISE	20			_	-
		0.20				UT1	15	40	r some	-	-
	Program Elective - I	3	-		3	UT2	15	'	40	-	-
					1	ESE	50	40			
	Geotechnical					ISE	-	-	_	50	50
CE3113	Engineering Laboratory	-	-	2	1	ESE	-	-		50	50
	Environmental					ISE				50	50
CE3133	Environmental Engineering Laboratory	-	-	2	1	ESE		-	-	50	50
	Transportation					ISE	-	-	-	50	50
CE3153	Engineering Laboratory	-	-	2	1	ESE	-	-	-	50	50
	Engineering Laboratory		-			ISE	20	-	-	30	30
						UT1	15	40			
SH3033	Scholastic Aptitude -I	2* -	- 1	2	UT2	15	40	40	-	1-	
								40			
			-			ESE	50	40		50	50
CE3173	Technical Aptitude-III	-	-	2	1	ISE ESE	-	-		50 50	50 50
SH3011	Indian Constitution	2	_	_	Audit	ISE	100	50	(P/N)	-	- 30
T 0	TOTAL	22	0	08	24	-	-	- 1/		-	-

ISE = In Semester Evaluation, UT-1 = Unit Test-1, UT-2 = Unit Test-2 & ESE = End Semester Examination

**Total Contact Hours/week** 

: 30

**Total Credits** 

: 24

Courses for Technical Aptitude-III: Design of steel Structures, Geotechnical Engineering, Environmental Engineering, Transportation Engineering, Irrigation and Hydraulic Structures

Note: One extra lecture will be allotted in the time table.



# K.E. Society's Rajarambapu Institute of Technology, Sakharale (An Autonomous Institute, affiliated to Shivaji University, Kolhapur) Curriculum Structure and Evaluation Scheme

### With effective from 2020-21 [2020-24 & 2021-25 Batch] Department of Civil Engineering

#### List of Program Elective-PE I

Rev: CE/RIT/02/2020-24

Sr. No.	Course Code	Domain	Course				
1	CE3193	Standard Engineering	Structural Analysis				
2	CE3213	- Structural Engineering	Composite Materials				
3	CE3233	Construction Management	Construction Safety Management				
4	CE3253	Construction Management	Construction Techniques				
5	CE3273	General Civil Engineering	Advanced Water Treatment				
6	CE3293	(Environmental, Geotechnical,	Tunnel Docks and Harbors Engineering				
7	CE3313	Transportation etc.)	Urban Transportation Systems				







#### Rajarambapu Institute of Technology, Sakharale

#### (An Autonomous Institute, affiliated to Shivaji University, Kolhapur) **Curriculum Structure and Evaluation Scheme**

With effective from 2020-21 [2020-24 & 2021-25 Batch] **Department of Civil Engineering** 

Rev: CE/RIT/02/2020-24

Class : T	. Y. B. Tech.									ster: VI	02/2020-24
		T	eachir)	g Sch	eme			Evalua	tion Sc	heme	
Course				T	1		Theor	y (Mar	·ks )	Practic	al (Marks )
Code	Course	L	Т	P	Credits	Scheme	Max.	Min. for passing %		Max.	Min. for passing%
						ISE	20			-	-
CE3023	Theory of Structures	3		_	3	UT1	15	40	40	-	-
CESUES	Theory of Structures		-	_	'	UT2	15		40	-	-
						ESE	50	40		-	-
						ISE	20			-	_
CE3043	Estimation &	2	-	_	2	UT1	15	40	40	-	-
	Contracts	-			~	UT2	15		] 40	-	_
	ļ					ESE	50	40		-	-
~~~~	_					ISE	20			-	-
CE3063	Construction	3	-	l -	3	UT1	15	40	40	-	-
	Management					UT2	15			-	-
		1	ļ			ESE	50	40		-	-
			1			ISE	20			-	-
	Program Elective –II	3	_	_	3	UT1	15		40		-
	110gram Elective -11	'	1000		'	UT2	15		40	-	-
						ESE	50	40		-	-
						ISE	20			-	-
	Open Elective -IV	3	_	_	3	UT1	15	40	40	_	-
		3	_	_	٥	UT2	15		40	-	-
						ESE	50	40			-
						ISE	20			-	-
SH3021	Biology for	3	_	_	3	UT1	15	40	40	-	-
5115021	Engineers	3	-		3	UT2	15		40	-	-
						ESE	50	40		-	-
CE3083	Estimation &	-	-	4	2	ISE	-	-	-	50	50
CESUOS	Contracts Laboratory			7		ESE	-	-	-	50	50
CE3103	Design of Steel	-	-	2	1	ISE	-	-		50	50
	Structures Laboratory			2	1	ESE	-	-		50	50
CE3123	Technical Aptitude-	-	-	2	1	ISE	-	-	-	50	50
CHSIES	IV				T	ESE	-	-	-	50	50
CE3143	Capstone Project Phase-I	-	-	2	2	ISE	-	-	-	100	50
SH304	Psychology for	1*			1	ISE	50	40	40	-	-
311304	Engineers	1"		-	1	ESE	50	40	40	-	-
						ISE	20				
CTTOC		0.1				UT1	15	40	58900		
SH3063	Scholastic Aptitude II	2*	-	-	2	UT2	15		40	-	-
					ESE	50	40				
	TOTAL	20	00	12	26		-		-		
TE - I- C-		TT '		TITO			L			-	-

ISE = In Semester Evaluation, UT-1 = Unit Test-1, UT-2 = Unit Test-2 & ESE = End Semester Examination

**Total Contact Hours/week** 

: 32 **Total Credits** 

: 26

Courses for Technical Aptitude-IV: Theory of Structures, Estimation & Costing, Construction Management

Note:

extra lecture will be allotted in the time table.



### Rajarambapu Institute of Technology, Sakharale (An Autonomous Institute, affiliated to Shivaji University, Kolhapur) Curriculum Structure and Evaluation Scheme With effective from 2020-21 [2020-24 & 2021-25 Batch] Department of Civil Engineering

Rev: CE/RIT/02/2020-24

List of Program Elective PE-II

Sr. No. Course Code		Domain	Course				
1 CE3163		Standard Francisco	Design of Industrial Structures				
2	CE3183	Structural Engineering	Repair and Rehabilitation of Structures				
3	CE3203	Construction Management	Construction Economics and Finance				
4	CE3243	G IGNES :	Air Quality Monitoring and Modeling				
5	CE3263	General Civil Engineering	Railway and Airport Engineering				
6 CE3283		(Environmental, Geotechnical, Transportation etc.)	Foundation Engineering				
7	CE3303	Transportation etc.)	Advanced Wastewater Engineering				

#### Open Elective-IV

Sr. No.	Branch	Course Code	Open Elective-IV Courses
1	Automobile	OE3023	Reliability Engineering
2	Automobile	OE3043	Renewable Energy Sources
3	Civil	OE3063	Environmental Impact Assessment
4	Civil	OE3083	Material Management.
5	Computer	OE3103	Network Administration
6	Computer	OE3123	Information Technology Foundation Program
7	E&TC	OE3143	Mechatronics
8	Electrical	OE3163	Engineering Materials
9	Electrical	OE3181	Industrial Drives
10	CS&IT	OE336	Neural Network and Deep learning
11	CS&IT	OE3221	Cyber Forensics
12	MBA	OE3243	Marketing for Engineers
13	Mechanical	OE3263	Aircraft Systems
14	Mechanical	OE3283	Supply Chain Management
15	Mechanical	OE3301	New Product Design and Development
16	Mechanical	OE3323	Entrepreneurship Development
17	Mechanical	OE3341	Research Methodology
18	Civil	OE338	Disaster Management
19	CE&IT	OE340	Cyber Security





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#### Rajarambapu Institute of Technology, Sakharale

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# Curriculum Structure and Evaluation Scheme With effective from 2020-21 [2020-24 & 2021-25 Batch] Department of Civil Engineering

Class: Final Year. B. Tech.

Rev: CE/RIT/02/2020-24 Semester: VII

	nai Year. B. Tech.	Tea	achi	ng Sc	heme			Evalu	ation S		ster: VII		
Course	Course				T	me		ry (Ma	-		Practical (Marks)		
Code		L	Т	P	Credits	Scheme	Max.	Max. Min. passir		Max.	Min. for passing %		
						ISE	20			_	-		
CE4013	Design of Reinforced	3	_	_	3	UT1	15	40	40	-	_		
CLIVIS	Concrete Structures	-				UT2	15		40	_	-		
						ESE	50	40		-	-		
						ISE	20			-	-		
CE4033	Construction Equipment and	2	-	_	2	UT1			40	_	-		
CLIOSS	Methods	2	2		_	UT2	15		1 70	-			
						ESE	50	40		-	-		
						ISE	20			-	-		
CTD 4.480		_				UT1	15	40		_	-		
CE4473	Earthquake Engineering	2	-	-	2	UT2	15		40	_	_		
						ESE	50	40	1	_			
						ISE	20	10					
	Program Elective PE- III					UT1	15	40					
	Trogram Brook to 1B 111	3	-	-	3	UT2	15	10	40				
						ESE	50	40		-			
						ISE	20			-	-		
	Donas Election IV	٦		-	3	UT1	15	40	40	-			
	Program Elective -IV	3	# <b>-</b>			UT2	15	40		-	_		
						ESE	50			-	-		
						ISE	20			-	-		
	Program Elective -V	3	_	_	3	UT1	15	40	40	-	-		
	1 Togram Elective - v	3			٥	UT2	15		40	-	-		
						ESE	50	40		-	-		
	Program Elective -IV Lab	_	_	2	1	ISE		-	-	50	50		
						ESE	-	-	-	50	50		
CE4053	Design of Concrete	_	_	2	1	ISE	-	-	-	50	50		
	Structures Laboratory				1	ESE	_	-	-	50	50		
CE4493	Constant Design Dhase II	-		4	1	ISE	-	-	-	100	50		
CE4473	CE4493 Capstone Project Phase-II		-	4	4	ESE	-	-	-	100	50		
CE4073	Employment Enhancement Skills (Software in Civil Engg.)	-	-	2	1	ISE		-	-	100	50		
	TOTAL	16	0	14	23	-	_	-	-	-			

ISE = In Semester Evaluation, UT-1 = Unit Test-1, UT-2 = Unit Test-2 & ESE = End Semester Examination

Total Contact Hours/week

: 30

**Total Credits** 

: 23

#Internal Practical Oral Examinations to be conducted







#### Rajarambapu Institute of Technology, Sakharale

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# Curriculum Structure and Evaluation Scheme With effective from 2020-21 [2020-24 & 2021-25 Batch] Department of Civil Engineering

Rev: CE/RIT/02/2020-24

List of Program Elective PE-III

Sr. No.	Course Code	Domain	Course					
1	CE4353	Structural Engineering	Design of Bridges					
2	CE4373	Suddid Engineering	Design of Formwork					
3	CE4393	Construction Management	Advanced Construction Equipment					
4	CE4413	General Civil Engineering	Environmental Management System					
5	CE4433	(Environmental, Geotechnical,	Geographical Information System (GIS)					
6	CE4453	Transportation etc.)	Metro Rail Technology					

List of Program Elective (PE) - IV

Sr. No.	Course Code	Domain	Course			
1	CE4093	Structural Engineering	Advanced Structural Design			
2	CE4113	Structural Engineering	Pre-stressed Concrete structures			
3	CE4133	Construction Management	Project Management			
4	CE4153	General Civil Engineering	Rock Mechanics			
5	CE4173	(Environmental,	Industrial Waste Management			
6	CE4193	Geotechnical,	Pavement Analysis and Design			
7	CE4513	Transportation etc.)	Advanced Concrete Technology			

List of Program Elective (PE) - IV Lab

Sr. No.	Course Code	Domain	Course					
1	CE4213	Standard Engineening	Advanced Structural Design Lab					
2	CE4233	Structural Engineering	Pre-stressed Concrete structures Lab					
3	CE4253	Construction Management	Project Management Lab					
4	CE4273		Rock Mechanics Lab					
5	CE4293	General Civil Engineering (Environmental, Geotechnical, Transportation etc.)	Industrial Waste Management Lab					
6	CE4313		Pavement Analysis and Design Lab					
7	CE4333		Advanced Concrete Technology Lab					





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### Rajarambapu Institute of Technology, Sakharale (An Autonomous Institute, affiliated to Shivaji University, Kolhapur) Curriculum Structure and Evaluation Scheme With effective from 2020-21 [2020-24 & 2021-25 Batch] Department of Civil Engineering

Rev: CE/RIT/02/2020-24

#### List of Program Elective-V

Sr. No.	Course Code	Domain	Course						
1	CE4533		Advanced Structural Analysis						
2	CE4553	Structural Engineering	Finite Element Analysis						
3	CE4573	Diginoonig	Matrix Method of Structural Analysis						
4	CE4593	Construction	Construction Resource Planning and Management						
5	CE4613	Management	Total Quality Management						
6	CE4633	General Civil	Air Pollution and Control						
7	CE4653		Fundamentals of Urban and Regional Planning						
8	CE4673	Engineering	Solid and Hazardous Waste management						
9	CE4693	(Environmental, Geotechnical, Transportation etc.)	Photogrammetry Surveying						
10	CE4713		Geo-informatics for Engineering						
11	CE4733		Docks, Harbors and Airport Engineering						





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#### Rajarambapu Institute of Technology, Sakharale

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#### **Curriculum Structure and Evaluation Scheme** With effective from 2020-21 [2020-24 & 2021-25 Batch] Department of Civil Engineering

Rev: CE/RIT/02/2020-24

#### Track I: Industry Internship & Projects (IIP)

Class: Final Year B. Tech

Semester: VIII

Course Code		Tea	ching	g Sch	eme	Evaluation Scheme						
	Course			P	Credits	16	Theory (Marks )			Practical (Marks)		
	Course	L	Т			Scheme	Max.	Min. pass	for ing%	Max.	Min. for passing%	
OE4381	Finance for	2	-	-	2	ISE	25	40	40			
OE4301	Engineers					ESE	75	40				
OE4361	Engineering Management &			1	2	ISE	25	40	40			
OE4361	Economics (Online Course)	2	-			ESE	75	40				
IP4023	Internship & Project				8	ISE		-	-	50	50	
	internship & Froject		-	_	0	ESE				50	50	
TOTAL		04	-	-	12			-10.000				

ISE = In Semester Evaluation, ESE = End Semester Examination

**Total Contact Hours/week** 

: 04

**Total Credits** 

: 12

#### Notes:

- 1. Weekly Contact hours are not mentioned as student is expected to be in industry regularly for 20 weeks. However, student needs to report to Institute mentors as and when required.
- 2. For online course, lecture videos of each unit will be made available through college platform to the students. For each unit there will be separate assignment. Students need to submit all assignments within specified time.

Weightage: 25% weightage for unit wise assignments + 75% weightage for final exam. Final exam will be held at college campus.





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#### Rajarambapu Institute of Technology, Sakharale

(An Autonomous Institute, affiliated to Shivaji University, Kolhapur)

### Curriculum Structure and Evaluation Scheme With effective from 2020-21 [2020-24 & 2021-25 Batch] Department of Civil Engineering

Rev: CE/RIT/02/2020-24

#### Track II: Undergraduate Research Experience (URE)

Class: Final Year B. Tech							Semester: VIII							
Course Code	Course	Teac	hing	Sche	me	Evaluation Scheme								
		L		P	Credits	ne	Theor	у (Ма	rks)	Practical (Marks)				
			T			Scheme	Max.	Min. for passing%		Max.	Min. for passing%			
OE4381	Finance for Engineers	2	-	-	2	ISE	25	40	40					
	(Online Course)					ESE	75	40			ment may appe			
OE4361	Engineering Management &	2	-	-	2	ISE	25	40	40					
	Economics (Online Course)					ESE	75	40						
RE4043	Research Project	_	-	8	8	ISE			-	50	50			
						ESE				50	50			

ISE = In Semester Evaluation, ESE = End Semester Examination

**Total Contact Hours/week** 

TOTAL

: 12

04

**Total Credits** 

`: 12

#### Note:

For online course, lecture videos of each unit will be made available through college platform to the students. For each unit there will be separate assignment. Students need to submit all assignments within specified time.

Weightage: 25% weightage for unit wise assignments + 75% weightage for final exam. Final exam will be held at college campus.







#### Rajarambapu Institute of Technology, Sakharale

(An Autonomous Institute, affiliated to Shivaji University, Kolhapur)

# Curriculum Structure and Evaluation Scheme With effective from 2020-21 [2020-24 & 2021-25 Batch] Department of Civil Engineering

Rev: CE/RIT/02/2020-24

#### Track III: Entrepreneurship Development (ED)

Class: Final Year B. Tech Semester: VIII

Course Code		Teaching Scheme			S	Evaluation Scheme						
	Course				Credits	ne	Theory (Marks )			Practical (Marks)		
		L	T	P		Scheme	Max	Min. for passing%		Max	Min. for passing%	
			1	-	2	ISE	20			-	-	
ED4103	Project Management	2*				UT1	15	40	40			
						UT2	15					
						ESE	50	40				
	Commercial Aspects of the Project	2*	ı	1	2	ISE	20	40	40	-	-	
ED4043						UT1	15					
ED4043						UT2	15					
						ESE	50					
ED4063	Entrepreneurship Development Program (EDP)	-	-	,	1	ISE	-		-	100	50	
ED4083	Entrepreneurship Development Project	-	-	7	7	ISE ESE	-	-	-	50 50	50	
	Total		-	07	12					30		

ISE = In Semester Evaluation, UT-1 = Unit Test-1, UT-2 = Unit Test-2 Examination

ESE = End Semester

Total Contact Hours/week

: 11

**Total Credits** 

: 12

#### Note:

\*One extra lecture to be allotted to Project Management and Commercial Aspects of the Project course in time table.



