B.E. in Civil Engineering

Scheme of Teaching and Examinations2022

Outcome Based Education (OBE) and Choice Based Credit System (CBCS)

(Effective from the academic year 2023-24)

III SEN	IESTER			T .	T	eaching Hou	ırs /Week	4		Exa	mination		4
SI. No	Course	Course Code	Course Title	Teaching Department (TD) and Question Paper Setting Board (PSB)	Theory	Tutorial	Practical/ Drawing	SDA	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits
				De a	L	T	Р	S					
1	PCC	BCV301	Strength of Materials	TD: CVPSB: CV	3	0	0	2	03	50	50	100	3
2	IPCC	BCV302	Engineering Survey	TD: CVPSB: CV	3	0	2		03	50	50	100	4
3	IPCC	/ BCV303	Engineering Geology	TD- Geology/CV PSB-Geology/CV	3	0	2 .		03	50	50	100	4
4	PCC	BCV304	Water Supply and Waste water Engineering	TD: CV PSB: CV	3	0	0		03	50	50	100	3
5	PCCL	BCV305	Computer Aided Building Planning and Drawing	TD: CV PSB: CV	0	0	2		03	50	50	100	1
6	ESC	BCV306x	ESC/ETC/PLC	PSB: CV	3	0	0	. 81	03	50	50	100	3
7	UHV	BSCK307	Social Connect and Responsibility	Any Department	0	0	2	7.1	01	100		100	1
·		BSC.KSC.		, ĝa		ne course is	a Theory		01		- "		1
8	AEC/ SEC	BCV358x	Ability Enhancement Course/Skill Enhancement Course - III		1 If a c	ourse is a	0 laboratory		02	50	50	100	1
	-	DNICKSEO	National Santisa Schama (NSS)	NSS coordinator	0	- 0	2						1
9	мс	BNSK359 BPEK359	National Service Scheme (NSS) Physical Education (PE) (Sports and Athletics)	Physical Education Director	0	0	2	3 "	1	100		100	0
		BYOK359	Yoga	Yoga Teacher					2, 16	1			G
		1 2.31.000	1						Total	550	350	900	20

PCC: Professional Core Course, PCCL: Professional Core Course laboratory, UHV: Universal Human Value Course, MC: Mandatory Course (Non-credit), AEC: Ability Enhancement Course, SEC: Skill Enhancement Course, L: Lecture, T: Tutorial, P: Practical S= SDA: Skill Development Activity, CIE: Continuous Internal Evaluation, SEE: Semester End Evaluation. K: This letter in the course code indicates common to all the stream of Engineering. ESC: Engineering Science Course, ETC: Emerging Technology Course, PLC: Programming Language Course

Professional Core Course (IPCC): Refers to Professional Core Course Theory Integrated with practicals of the same course. Credit for IPCC can be 04 and its Teaching—Learning hours (L:T:P) can be considered as (3:0:2) or (2:2:2). The theory part of the IPCC shall be evaluated both by CIE and SEE. The practical part shall be evaluated by only CIE (no SEE). However, questions from the practical part of IPCC shall be included in the SEE question paper. For more details, the regulation governing the Degree of Bachelor of Engineering /Technology (B.E./B.Tech.) 2022-23 may please be referred.

National Service Scheme /Physical Education/Yoga: All students have to register for any one of the courses namely National Service Scheme (NSS), Physical Education (PE)(Sports and Athletics), and Yoga(YOG) with the concerned coordinator of the course during the first Week of III semesters. Activities shall be carried out between III semester to the VI semester (for 4 semesters). Successful completion of the registered course and requisite CIE score is mandatory for the award of the Degree. The events shall be appropriately scheduled by the colleges and the same shall be reflected in the calendar prepared for the NSS, PE, and Yoga activities. These courses shall not be considered for vertical progression as well as for the calculation of SGPA and CGPA, but completion of the course is mandatory for the award of Degree.

H.O.D.

Dept. of Civil Engineering Aiva's Institute of Engg. & Technology Mijar, Moodbidri - 574 226

B.E. in Civil Engineering

Scheme of Teaching and Examinations2022

Outcome Based Education (OBE) and Choice Based Credit System (CBCS)

(Effective from the academic year 2023-24)

IV SEM	IESTER												
			341			Teaching	Hours /We	ek		Exar	nination		
SI. No		rse and rse Code	Course Title	Teaching Department (TD) and Question Paper Setting Board (PSB)	Theory	Tutorial	Practical/ Drawing	Self -Study	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits
					L	T	P	S					
1	PCC	BCV401	Analysis of Structures	TD: CV PSB: CV	3	0	0		03	50	50	100	3
2	IPCC	BCV402	Fluid Mechanics and Hydraulics	TD: CV PSB: CV	3	0	2	100	03	50	50	100	4
3	IPCC	BCV403	Transportation Engineering	TD: CV PSB: CV	3	0	2	<u>.</u>	03	50	50	100	4
4	PCCL	BCVL404	Building Materials Testing Lab	TD: CV PSB: CV	0	0	2		03	50	50	100	1
5	ESC	BCV405x	ESC/ETC/PLC		3	0	0		03	50	50	100	3
				TD and PSB:	If th	e cour	se is Th	eory	01	7			
١.	AEC/	201156	Ability Enhancement Course/Skill	Concerned	1	0	0		01	50	50	100	1 1
6	SEC	BCV456x	Enhancement Course- IV	department	If the co		If the course is a lab			50	50	100	1
					0	0	2		02				
7	BSC	BBOK407	Biology For Engineers	TD / PSB: BT, CHE,	3	0	0	E .	03	50	50	100	3
8	UHV	BUHK408	Universal human values course	Any Department	1 -	0	0		01	50	50	100	1
		BNSK459	National Service Scheme (NSS)	NSS coordinator					1.74	1			
9	мс	BPEK459	Physical Education (PE) (Sports and Athletics)	Physical Education Director	0	0	2			100		100	0
		BYOK459	Yoga	Yoga Teacher			DOM:	C. Fasi	5.64	. 40			
								-71	Total	500	400	900	20

PCC: Professional Core Course, PCCL: Professional Core Course laboratory, UHV: Universal Human Value Course, MC: Mandatory Course (Non-credit), AEC: Ability Enhancement Course, SEC: Skill Enhancement Course, L: Lecture, T: Tutorial, P: Practical S= SDA: Skill Development Activity, CIE: Continuous Internal Evaluation, SEE: Semester End Evaluation. K: This letter in the course code indicates common to all the stream of engineering.

	Ability Enhancement Course / Sl	kill Enhanceme	ent Course - IV
			Electronic Waste Management - Issues and Challenges
BCVL456A	Building Information Modelling in Civil Engineering – Basics (0:0:2)		Technical Writing Skills
BCV456B	GIS with Quantum GIS	BCV456D	
	Engineering Science Co	urse (ESC/ETC	/PLC)
DOMAGEA	Finance for Professionals	BCV405C	Concreting Techniques & Practices
BCV405A			Watershed Management
BCV405B	Construction Equipment, Plants and Machinery	BCV405D	Watershed Wandgement

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National Service Scheme / Physical Education/Yoga: All students have to register for any one of the courses namely National Service Scheme (NSS), Physical Education (PE)(Sports and Athletics), and Yoga(YOG) with the concerned coordinator of the course during the first Week of III semesters. Activities shall be carried out between III semester to the VI semester (for 4 semesters). Successful completion of the registered course and requisite CIE score is mandatory for the award of the Degree. The events shall be appropriately scheduled by the colleges and the same shall be reflected in the calendar prepared for the NSS, PE, and Yoga activities. These courses shall not be considered for vertical progression as well as for the calculation of SGPA and CGPA, but completion of the courses is mandatory for the award of Degree.

> Dept. of Civil Engineering 's institute of Engg. & Technology

Mijar, Moodbidri - 574 225

@#16032024

B.E. in Civil Engineering

Scheme of Teaching and Examinations2022

Outcome Based Education (OBE) and Choice Based Credit System (CBCS)

(Effective from the academic year 2023-24)

				6	-i	Teaching	Hours /We	ek	Examination				
SL No		ourse and urse Code	Course Title	Teaching Department (TD) and Question Paper Setting Board (PSB)	Theory	1 Tutorial	Practical/ Drawing	Self -Study	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credita
1	HSMS	BCV501	Construction Management and Entrepreneurship	TD: CV PSB: CV	3	0	0	S	03	50	50	100	3
2	IPCC	BCV502	Geotechnical Engineering	TD: CV PSB: CV	3		2		03	50	50	100	1
3	IPCC	BCV503	Concrete Technology	TD: CV PSB: CV	3	0	2		03	50	50	100	4
4	PCCL	BCV504	Environmental Engineering Lab	TD: CV PSB: CV	0	0	2	1-2-7/	03	50	50	_	4
5	PEC	BCV515x	Professional Elective Course	TD: CV PSB: CV	3	0	0	- 1, 10	03	50	50	100	1 -
5	PROJ	BCV586	Mini Project/Extensive Survey Project	TD: CV PSB: CV	0	0	4		03	100	30	100	3
'	AEC	BRMK557	Research Methodology and IPR		2	2	0		02	50	50	-	3
1	MC	BESK508	Environmental Studies	TD: CV PSB: CV	2	0	0		02	50	50	100	+
1		BNSK559	National Service Scheme (NSS)	NSS coordinator		-		and door	UZ	30	≥ 50 ≈	100	2
	мс	BPEK559	Physical Education (PE) (Sports and Athletics)	Physical Education Director	0	0	2		18	100	3	100	0
		BYOK559	Yoga	Yoga Teacher			1 -2		langer"	12-4	*	1	-
									Total	500	300	800	22

Numerical Methods in Civil Engineering BCV515C Solid Waste Management Occupational Safety and Health Monitoring BCV515B BCV515D Remote Sensing and GIS

PCC: Professional Core Course, PCCL: Professional Core Course laboratory, UHV: Universal Human Value Course, MC: Mandatory Course (Non-credit), AEC: Ability Enhancement Course, SEC: Skill Enhancement Course, L: Lecture, T: Tutorial, P: Practical S= SDA: Skill Development Activity, CIE: Continuous Internal Evaluation, SEE: Semester End Evaluation. K: The letter in the course code indicates common to all the stream of Engineering. PROJ: Project. PEC: Professional Elective Course

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	leng.	par.	m 5 / 1
	Engineer	ring Science Course (ESC/ET	C/PLC)
BCV306A	Rural, Urban Planning and Architecture	BCV306C	Sustainable Design Concept for Building Services
BCV306B	Geospatial Techniques in Practice	BCV306D	Fire Safety in Buildings
		lity Enhancement Course – I	# 6 2 15 i
BCVL358A	Data analytics with Excel (0:0:1)	BCVL358C	Problem Solving with PYTHON
BCV358B	Smart Urban Infrastructure	BCV358D	Personality Development for Civil Engineers

Professional Core Course (IPCC): Refers to Professional Core Course Theory Integrated with practicals of the same course. Credit for IPCC can be 04 and its Teaching-Learning hours (L:T:P) can be considered as (3:0:2) or (2:2:2). The theory part of the IPCC shall be evaluated both by CIE and SEE. The practical part shall be evaluated by only CIE (no SEE). However, questions from the practical part of IPCC shall be included in the SEE question paper. For more details, the regulation governing the Degree of Bachelor of Engineering /Technology (B.E./B.Tech.) 2022-23 may please be referred.

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H.O.D. Dept. of Civil Engineering Alva's Institute of Engg. & Technology Mijar, Moodbidri - 574 225

B.E. in Civil Engineering
Scheme of Teaching and Examinations2022
Outcome Based Education (OBE) and Choice Based Credit System (CBCS)
(Effective from the academic year 2023-24)

VI SE	MESTER		(Effective fro	om the acader	nic year	202	23-24)						- 1. E	
				6			Teaching	Hours /We	ek		Exa	mination		
SI. No		ourse and urse Code	Course Title	Teaching Department (TD) and Question Paper Setting Board (PSB)		Lecture	Tutorial	Practical/ Drawing	Self -Study	Duration in hours	CIE Marks	SEE Marks	Total Marks	
1	IPCC	BCV601	Design of RCC Structures			3	T	P	5					
2	PCC	BCV602	Irrigation Engineering and Hydraulic Structures	1-6-	0.00%	3	2	2 	,	03	50	50	100	_
3	PEC	BCV613x	Professional Elective Course		17.11				74.5			50		2
4	OEC	BCV654x	Open Elective Course	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		3	0	0		03	- 50	50	100	_ :
5	PROJ	BCV685	Major Project Phase I			3	0	0.	1.	03	50	50	100	3
6	PCCL	BCVL606	Software ApplicationLab			0, .	0	4		03	100		100	. 2
7		DCVLOOD	Software ApplicationLab	11)	0	2	· · · · · · · · · · · · · · · · · · ·	03	50	50	100	1
			Ability Enhancement Course/Skill Development			ie coi	O O	ered as a T	heory	por a sil	320	4.174	9.	
	AEC/SDC	BCV657x	Course V		4-9 0	-		ed as a pra		01	50	50	100	1
			106	F 17 1			0	2	actical					-
	Vapoli.	BNSK658	National Service Scheme (NSS)	NSS coordinate	V 2	_		(Z)	100 100 11	7,775	7.4	1 - 0	w.F.	-
8	MC	BPEK658	Physical Education (PE) (Sports and Athletics)	Physical Education	'n o		0	2	28 mg		100	·	100	0
		BYOK658	Yoga	Yoga Teacher	1.			i de la companya de l		7 00 720				
9	IKS	BIKS609	Indian Knowledge System		1		0	0		01	100	0	100	0
	1.71	į.		3/	100 Comp. 1	y de la co				Total	500	300	800	18
G 15				ssional Elective	ourse	1			v	Total	300	300	~ î	10
CV6		Design of B		BC	/613C		Applied	Geotec	hnical I	Engineer	ing	1 1 1 1 1		
CV6	138	B Design of formwork and scaffolding B					Design a	nd Cons	truction	of Highv	vay Paver	nents	7	
CV65	54A T	Water conson	vation and Rainwater Harvesting	pen Elective Cour			1,5		041		71	r ej	To the To the Total Control of	
		water conserv	vation and Kainwater Harvesting	E	CV654C		Integrate	d Waste I	Managen	nent for a	Smart City	, ,	V -4	

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RANKER STREETH MARKSHIP - Advanced Course / Still Enhancement Course / Stil	State Collection of the State o	
81887 Strangel House Mariente Line BORST Data Analytics for Civil Engle	A Williams	BCV654D Sustainable Development Goals
Data Applying for Coll Park		set sam considered Course V
	Strawel Head Manifester 12 1	LISTER AND PROPERTY OF THE PRO
PCC Professional Core George PCC: Professional Core Course laboratory, UNIV University Professional Core Course PcC Professional Core Course Indicated Profe	ACC Professional Core Course, ACC: Professional Over Course by	Quality Control and Quality Assurance

essional Core Crurse, PCCL: Professional Core Course laboratory, UHV: Universal Human Value Course, MC: Mandatory Course (Non-credit), AEC: Ability Enhancement Course, SEC. Still Enhancement Course, L: Lecture, T: Tutorial, P: Practical S= SDA: Skill Development Activity, CIE: Continuous Internal Evaluation, SEE: Semester End Evaluation, K: The letter in the course code indicates common to all the stream of Engineering. PROJ: Project /Mini Project. PEC: Professional Elective

Professional Core Course (IPCC): Refers to Professional Core Course Theory Integrated with practicals of the same course. Credit for IPCC can be 04 and its Teaching-Learning hours (L : T : P) can be considered as (3 : 0 : 2) or (2 : 2 : 2). The theory part of the IPCC shall be evaluated both by CIE and SEE. The practical part shall be evaluated by only CIE (no SEE). However, questions from the practical part of IPCC shall be included in the SEE question paper. For more details, the regulation governing the Degree of Sachelor of Engineering /Technology (B.E./B.Tech.) 2022-23

National Service Scheme /Physical Education/Yoga: All students have to register for any one of the courses namely National Service Scheme (NSS), Physical Education (PE)(Sports and Athletics), and Yoga(YOG) with the concerned coordinator of the course during the first Week of III semesters. Activities shall be carried out between III nester to the VI semester (for 4 semesters). Successful completion of the registered course and requisite CIE score is mandatory for the award of the Degree. The events shall be appropriately scheduled by the colleges and the same shall be reflected in the calendar prepared for the NSS, PE, and Yoga activities. These courses shall not be considered for vertical progression as well as for the calculation of SGPA and CGPA, but completion of the course is mandatory for the award of Degree.

Professional Elective Courses (PEC): A professional elective (PEC) course is intended to enhance the depth and breadth of educational experience in the Engineering and Technology curriculum. Multidisciplinary courses that are added supplement the latest trend and advanced technology in the selected stream of Engineering. Each group will provide an option to select one course. The minimum number of students' strengths for offering professional electives is 10. However, this conditional shall not be applicable to cases where the admission to the program is less than 10.

Open Elective Courses:

Students belonging to a particular stream of Engineering and Technology are not entitled to the open electives offered by their parent Department. However, they can opt for an elective offered by other Departments, provided they satisfy the prerequisite condition if any. Registration to open electives shall be documented under the guidance of the Program Coordinator/ Advisor/Mentor. The minimum numbers of students' strength for offering Open Elective Course is 10. However, this condition shall not be applicable to class where the admission to the program is less than 10.

Project Phase-I: Students have to discuss with the mentor /guide and with their helphe/she has to complete the literature survey and prepare the report and finally define the problem statement for the project work.

Dept. of Civil Engineering Awa's Institute of Engg. & Technolof) Mijar, Moodbidri - 574 225

m.Bas 3.01.2024 / JBOS 71.04.2024/2.21-178°907.07.2024/44

B.E. in Civil Engineering

Scheme of Teaching and Examinations2022

Outcome Based Education (OBE) and Choice Based Credit System (CBCS)

(Effective from the academic year 2023-24)

					g (TD) on ng (B)	14	reaching I	Hours /Wee	k		Exami	ination		
SI. No		urse Code	Course Title		Teaching Department (TI and Question Paper Setting Board (PSB)	Theory	Tutorial	Practical/ Drawing	Self -Study	Ouration in hours	CIE Marks	SEE Marks	Total Marks	Credits
1	IPCC	BCV701	Design of Steel Structures		-	L	T	P	5		٠	S	P	
-	inaa		Estimation and Contract		1) (3	0	2		03	50	50	100	4
2	IPCC	≈BCV702	Management Contract	Y	114	3	2	0	K. 19- 11	03	50	50	100	4
3	PCC	BCV703	Prestressed Concrete		the state of the s	-					30	30		
4	PEC	BCV714x	Professional Elective Course			3	2	0	1 1 E.	03	50	50	100	4
5	OEC	BCV755x	Open Elective Course	731.		3	0	0		03	50	50	100	3
6	PROJ	BCV786	Major Project Phase-II	Attache to the second		3	0	0		01	50	50	100	3
		22.700	iviajor Project Phase-II	- "3345	1	0	0	12		03	100	100	200	6
					fessional Elective Cou				1 4	k)	400	300	700	24

BCV714A	T. 4. 11'	Professional Elective Course	
	Intelligent Transportation Systems	BCV714C	Decien and D
BCV714B	Earthquake Resistant Structures		Design and Execution of Pile Foundations
	The state of detailed		Building services-hvac, acoustics and fire safety
200		Open Elective Course	
BCV755A	Road Safety Engineering	BCV755C	E. Dec.
BCV755B	Conservation Of Natural Resources	DOUGEE	Energy Efficiency, Acoustics And Daylighting In Building
DCC: Drofossia	1 C C	BCV755D	Precast Members – Systems & Construction

PCC: Professional Core Course, PCCL: Professional Core Course laboratory, PEC: Professional Elective Course, OEC: Open Elective Course PR: Project Work, L: Lecture, T: Tutorial, P: Practical S= SDA: Skill Development Activity, CIE: Continuous Internal Evaluation, SEE: Semester End Evaluation. TD- Teaching Department, PSB: Paper Setting department, OEC: Open Elective Course, PEC: Professional Elective Course. PROJ: Project work

Note: VII and VIII semesters of IV years of the program

- (1) Institutions can swap the VII and VIII Semester Schemes of Teaching and Examinations to accommodate research internships/ industry internships after the VI semester.
- (2) Credits earned for the courses of VII and VIII Semester Scheme of Teaching and Examinations shall be counted against the corresponding semesters whether the VII

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or VIII semesters is completed during the beginning of the IV year or the later part of IV years of the program.

Professional Elective Courses (PEC): A professional elective (PEC) course is intended to enhance the depth and breadth of educational experience in the Engineering and Technology curriculum. Multidisciplinary courses that are added supplement the latest trend and advanced technology in the selected stream of Engineering. Each group will provide an option to select one course. The minimum number of students' strengths for offering professional electives is 10. However, this conditional shall not be applicable to cases where the admission to the program is less than 10.

Open Elective Courses:

Students belonging to a particular stream of Engineering and Technology are not entitled to the open electives offered by their parent Department. However, they can opt for an elective offered by other Departments, provided they satisfy the prerequisite condition if any. Registration to open electives shall be documented under the guidance of the Program Coordinator/ Advisor/Mentor. The minimum numbers of students' strength for offering Open Elective Course is 10. However, this condition shall not be applicable to class where the admission to the program is less than 10.

PROJECT WORK (21CVP75): The objective of the Project work is

- (i) To encourage independent learning and the innovative attitude of the students.
- (ii) To develop interactive attitude, communication skills, organization, time management, and presentation skills.
- (iii) To impart flexibility and adaptability.
- (iv) To inspire team working.
- (v) To expand intellectual capacity, credibility, judgment and intuition.
- (vi) To adhere to punctuality, setting and meeting deadlines.
- (vii) To install responsibilities to oneself and others.
- (viii)To train students to present the topic of project work in a seminar without any fear, face the audience confidently, enhance communication skills, involve in group discussion to present and exchange ideas.

CIE procedure for Project Work:

(1) Single discipline: 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.

The CIE marks awarded for the project work, shall be based on the evaluation of the project work Report, project presentation skill, and question and answer session in the ratio 50:25:25. The marks awarded for the project report shall be the same for all the batch mates.

(2) Interdisciplinary: Continuous Internal Evaluation shall be group-wise at the college level with the participation of all guides of the college. Participation of external guide/s, if any, is desirable. The CIE marks awarded for the project work, shall be based on the evaluation of project work Report, project presentation skill, and question and answer session in the ratio 50:25:25. The marks awarded for the project report shall be the same for all the batch mates.

SEE procedure for Project Work: SEE for project work will be conducted by the two examiners appointed by the University. The SEE marks awarded for the project work

Dept. of Civil Engineering Arva's Institute of Engg. & Technology

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shall be based on the evaluation of project work Report, project presentation skill, and question and answer session in the ratio 50:25:25.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

B.E. in Civil Engineering

Scheme of Teaching and Examinations2022

Outcome Based Education (OBE) and Choice Based Credit System (CBCS)

(Effective from the academic year 2023-24)

	1	Page 1		0		Teaching	Hours /Wee	k	1	Ехаг	nination		T
SI. No		rse Code	Course Title III X 60 00 1	Teaching Pepartment (TI and Question Paper Setting Board (PSB)	Theory	Tutorial	Practical/ Drawing	Self-Study	Ouration in hours	CIE Marks	SEE Marks	otal Marks	Credits
1	PEC	BCV801x	Professional Stanting to 11), L, 3	, T	⊃ P	S	5, 1	Ž č	31 7 . 5	۲	1
2			Professional Elective (Online Courses)	and of Fire	3	0	0	1 77 1 -	03	50	50	100	1
4	OEC	BCV802x	Open Elective (Online Courses)	1 (1 100 0.	2	•	0 (Mr.				100	3
3	INT	BCV803	Internship (Industry/Research) (14 - 20 Weeks)	11 1100 100 100 100	3 1	0	- 0	, C . S	01	50	50	100	3
7	(A)	10.000	internship (industry/ Research) (14 - 20 Weeks)		0	0	12	1771	03	100	100	200	10
	75	1 73		Elective Course (Onlin		1,122	Q 1 0 FT	- 500	1 July	200	200	400	16

BCV801A Deep Excavation and Tunnels
BCV801B Advanced Design of RCC Structures

BCV801B Advanced Design of RCC Structures

Open Elective Courses (Online Courses)

BCV802A Energy Conservation in Buildings
BCV802B Occupational Health and Safety

BCV802B Deep Excavation in Buildings
BCV801D Metro and Seaports Engineering

Open Elective Courses (Online Courses)

BCV802C Green Buildings
BCV802B Integrated Building Services

L: Lecture, T: Tutorial, P: Practical S= SDA: Skill Development Activity, CIE: Continuous Internal Evaluation, SEE: Semester End Evaluation. TD- Teaching Department, PSB: Paper Setting department, OEC: Open Elective Course, PEC: Professional Elective Course. PROJ: Project work, INT: Industry Internship / Research Internship / Rural

Note: VII and VIII semesters of IV years of the program Swapping Facility

- Institutions can swap VII and VIII Semester Scheme of Teaching and Examinations to accommodate research internships/ industry internships/Rural Internship after the VI semester.
- Credits earned for the courses of VII and VIII Semester Scheme of Teaching and Examinations shall be counted against the corresponding semesters whether VII or VIII semester is completed during the beginning of IV year or later part of IV year of the program.

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At the beginning of IV years of the program i.e., after VI semester, VII semester classwork and VIII semester Research Internship /Industrial Internship / Rural Internship shall be permitted to be operated simultaneously by the University so that students have ample opportunity for an internship. In other words, a good percentage of the class shall attend VII semester classwork and a similar percentage of others shall attend to Research Internship or Industrial Internship or Rural Internship.

Research/Industrial /Rural Internship shall be carried out at an Industry, NGO, MSME, Innovation center, Incubation center, Start-up, center of Excellence (CoE), Study Centre established in the parent institute and /or at reputed research organizations/institutes.

The mandatory Research internship /Industry internship / Rural Internship is for 14 to 20 Weeks. The internship shall be considered as a head of passing and shall be considered for the award of a Degree. Those, who do not take up/complete the internship shall be declared to fail and shall have to complete it during the subsequent University examination after satisfying the internship requirements.

Research internship: A research internship is intended to offer the flavour of current research going on in the research field. It helps students get familiarized with the field and imparts the skill required for carrying out research.

Industry internship: Is an extended period of work experience undertaken by students to supplement their Degree for professional development. It also helps them learn to overcome unexpected obstacles and successfully navigate organizations, perspectives, and cultures. Dealing with contingencies helps students recognize, appreciate, and adapt to organizational realities by tempering their knowledge with practical constraints.

Rural Internship: Rural development internship is an initiative of Unnat Bharat Abhiyan Cell, RGIT in association with AICTE to involve students of all departments studying in different academic years for exploring various opportunities in techno-social fields, to connect and work with Rural India for their upliftment.

The faculty coordinator or mentor has to monitor the student's internship progress and interact with them to guide for the successful completion of the internship. The students are permitted to carry out the internship anywhere in India or abroad. University shall not bear any expenses incurred in respect of the internship.

With the consent of the internal guide and Principal of the Institution, students shall be allowed to carry out the internship at their hometown (within or outside the state or abroad), provided favorable facilities are available for the internship and the student remains regularly in contact with the internal guide. University shall not bear any cost involved in carrying out the internship by students. However, students can receive any financial assistance extended by the organization.

Professional Elective / Open Elective Course: These are ONLINE courses suggested by the respective Board of Studies. Details of these courses shall be made available for students on the VTU web portal.

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