

**Sharnbasva University, Kalaburagi**  
**Scheme of Teaching and Examination 2021-22**  
**Outcome Based Education(OBE) and Choice Based Credit System(CBCS)**  
 (Effective from the academic year 2022-23)

**Programme: B.Tech: Civil Engineering**

**III SEMESTER**

Sl. No.	Course Code		Course Title	Teaching Department	Teaching Hours/week			Examination				Credits
					Theory Lecture	Tutorial	Practical/Drawing	Duration in Hours	CIE Marks	SEE Marks	Total Marks	
1	BS	21MAT31	Engineering Mathematics-III	Mathematics	3			3	50	50	100	03
2	PCC	21CV32	Mechanics of Materials		3	1		3	50	50	100	04
3	PCC	21CV33	Fluid Mechanics		2	1		3	50	50	100	03
4	PCC	21CV34	Basic Surveying		2	1		3	50	50	100	03
5	PCC	21CV35	Building Materials and Construction Technology		1	1		3	50	50	100	02
6	PCC	21CVL36	Building Material Testing Lab				2	3	50	50	100	01
7	PCC	21CVL37	Surveying Practice-I Lab				2	3	50	50	100	01
8	PCC	21CVL38	Applied Engineering Geology Lab				2	3	50	50	100	01
9	PW	21PRJ39	Project-III				2	3	50	50	100	01
10	HSS	21KANKK310	Kannada Kali-III	Humanities	1			2	50	50	100	01
		21KANAK310	Ayda Kategalu									
11	AEC	21ACV311X	Ability Enhancement Course-III				2	3	50	50	100	01
Total					12	4	10	32	550	550	1100	21

Note: BS-Basic Science- Programme Core Course, PW-Project Work, AEC- Ability Enhancement Course, HSS-Humanity and Social Science, NCMC- Non Credit Mandatory Course

21KANKK310 Kannada Kali-III is for non Kannada speaking, reading and writing students and 21KANAK310 Ayda Kategalu is for the students who speak, read and write Kannada.

Project(PRJ):Based on the ability/abilities of the student/and recommendations of the mentor, a single discipline or multi disciplinary mini project can be

Assigned to an individual students or to a group having not more than 4students.

### Ability Enhancement Course-3

<b>Course code under 21ACV311X</b>	<b>Course Title</b>
21ACV3111	Microsoft Office

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**Courses prescribed to lateral entry Diploma holders admitted to III semester of Engineering programs**

12	NMC	21MATDIP31	AdditionalMathematics– I	Mathematics	3	1	-	3	00	100	100	00
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1) Non Credit Mandatory Courses (NCMC) Additional Mathematics-I and II prescribed for III and IV semesters respectively, to the lateral entry Diploma holders admitted to III semester of B. Tech. programs, shall attend the classes during the respective semesters to complete all the formalities of the course and appear for the university examination. In case any student fails to register for the said course/fails to secure the minimum 50% of the prescribed CIE marks, he/she shall be deemed to have secured F grade. In such a case, the students have to fulfill the requirements during subsequent semester/s to appear for SEE.

2) These courses shall not be mandatory for vertical progression, but completion of the courses shall be mandatory for the award of degree.

**Courses prescribed to lateral entry B.Sc. degree holders admitted to III semester of Engineering programs**

Lateral entry students from B.Sc. stream, shall clear the non credit courses Computer Aided Engineering Drawing, Elements of Civil Engineering of First Year Engineering Programme. These Courses shall not be considered for vertical progression, but completion of the courses shall be mandatory for the award of degree.

**AICTE Activity Points to be earned by students admitted to B.Tech. programme ( For more details refer to Chapter 6,AICTE Activity Point Programme, Model Internship Guidelines):**

Over and above the academic grades, every regular student admitted to the 4 years Degree programme and every student entering 4 years Degree programme through lateral entry, shall earn 100 and 75 Activity points respectively for the award of degree through AICTE Activity Point Programme. Students transferred from other universities to fifth semester are required to earn 50 activity points from the year of entry to Sharnbasva University. The Activity Points earned shall be reflected on the student's eighth semester Grade card.

The activities can be spread over the years, any time during the semester, weekends, holidays, as per the liking and convenience of the student from the year of entry to the programme. However, minimum hours requirement should be fulfilled. Activity Points (non credit) have no effect on SGPA/CGPA and shall not be considered for vertical progression.

In case students fail to earn the prescribed activity points, Eighth semester Grade Card shall be issued only after earning the required activity points. Students shall be admitted for the award of the degree only after the release of the Eighth semester Grade Card.

**Sharnbasva University, Kalaburagi**  
**Scheme of Teaching and Examination 2021-22**  
**Outcome Based Education(OBE) and Choice Based Credit System(CBCS)**  
(Effective from the academic year 2022-23)

**Programme: B.Tech: Civil Engineering**

**IV SEMESTER**

Sl. No.	CourseCode		CourseTitle	Teaching Department	Teaching Hours/week			Examination				Credits
					Theory Lecture	Tutorial	Practical/Drawing	Duration inHours	CIEMarks	SEEMarks	Total Marks	
1	BS	21MAT41	Engineering Mathematics-IV	Mathematics	3			3	50	50	100	03
2	PCC	21CV42	Structural Analysis-I		3	1		3	50	50	100	04
3	PCC	21CV43	Hydraulics and Hydraulic Machines		2	1		3	50	50	100	03
4	PCC	21CV44	Basic Geotechnical Engineering		2	1		3	50	50	100	03
5	PCC	21CV45	Concrete Technology		1	1		3	50	50	100	02
6	PCC	21CVL46	Computer Aided Building Planning and Drawing-Lab				2	3	50	50	100	01
7	PCC	21CVL47	Surveying Practice-II Lab				2	3	50	50	100	01
8	PCC	21CVL48	Fluid Mechanics and Hydraulic Machines Lab				2	3	50	50	100	01
9	PW	21PRJ49	Project-IV				2	3	50	50	100	01
10	HSS	21KANKK410	KannadaKali-IV	Humanities	1			2	50	50	100	01
		21 KANMD410	Mahadasohigalu									
11	AEC	21ACV411X	Ability Enhancement Course-IV				2	3	50	50	100	01
Total					12	4	10	32	550	550	1100	21

Note: BS-Basic Science ,PCC- Programme Core Course, PW-Project Work, AEC- Ability Enhancement Course,HSS-Humanity and Social Science, NCMC-Non Credit Mandatory Course

21KANKK410 Kannada Kali-IV is for non Kannada speaking, reading and writing students and 21KANMD410 Mahadasohigalu is for the students who speak, read and write Kannada.

Project (PRJ): Based on the ability/abilities of the student/s and recommendation of the mentor, a single discipline or multidisciplinary mini project can be assigned to an individual student/s or to a group having not more than 4 students.

**Ability Enhancement Course-4**

<b>Course code under 21AEC411X</b>	<b>Course Title</b>
21ACV4111	Staad-Pro 2D

Courses prescribed to lateral entry Diploma holders admitted to III semester of Engineering programs	
Sl. No.	Course Name
1	Engineering Mathematics - I
2	Engineering Physics - I
3	Engineering Chemistry - I
4	Engineering Drawing - I
5	Engineering Computer Graphics
6	Engineering Mathematics - II
7	Engineering Physics - II
8	Engineering Chemistry - II
9	Engineering Drawing - II
10	Engineering Computer Graphics
11	Engineering Mathematics - III
12	Engineering Physics - III
13	Engineering Chemistry - III
14	Engineering Drawing - III
15	Engineering Computer Graphics
16	Engineering Mathematics - IV
17	Engineering Physics - IV
18	Engineering Chemistry - IV
19	Engineering Drawing - IV
20	Engineering Computer Graphics
21	Engineering Mathematics - V
22	Engineering Physics - V
23	Engineering Chemistry - V
24	Engineering Drawing - V
25	Engineering Computer Graphics
26	Engineering Mathematics - VI
27	Engineering Physics - VI
28	Engineering Chemistry - VI
29	Engineering Drawing - VI
30	Engineering Computer Graphics
31	Engineering Mathematics - VII
32	Engineering Physics - VII
33	Engineering Chemistry - VII
34	Engineering Drawing - VII
35	Engineering Computer Graphics
36	Engineering Mathematics - VIII
37	Engineering Physics - VIII
38	Engineering Chemistry - VIII
39	Engineering Drawing - VIII
40	Engineering Computer Graphics
41	Engineering Mathematics - IX
42	Engineering Physics - IX
43	Engineering Chemistry - IX
44	Engineering Drawing - IX
45	Engineering Computer Graphics
46	Engineering Mathematics - X
47	Engineering Physics - X
48	Engineering Chemistry - X
49	Engineering Drawing - X
50	Engineering Computer Graphics
51	Engineering Mathematics - XI
52	Engineering Physics - XI
53	Engineering Chemistry - XI
54	Engineering Drawing - XI
55	Engineering Computer Graphics
56	Engineering Mathematics - XII
57	Engineering Physics - XII
58	Engineering Chemistry - XII
59	Engineering Drawing - XII
60	Engineering Computer Graphics
61	Engineering Mathematics - XIII
62	Engineering Physics - XIII
63	Engineering Chemistry - XIII
64	Engineering Drawing - XIII
65	Engineering Computer Graphics
66	Engineering Mathematics - XIV
67	Engineering Physics - XIV
68	Engineering Chemistry - XIV
69	Engineering Drawing - XIV
70	Engineering Computer Graphics
71	Engineering Mathematics - XV
72	Engineering Physics - XV
73	Engineering Chemistry - XV
74	Engineering Drawing - XV
75	Engineering Computer Graphics
76	Engineering Mathematics - XVI
77	Engineering Physics - XVI
78	Engineering Chemistry - XVI
79	Engineering Drawing - XVI
80	Engineering Computer Graphics
81	Engineering Mathematics - XVII
82	Engineering Physics - XVII
83	Engineering Chemistry - XVII
84	Engineering Drawing - XVII
85	Engineering Computer Graphics
86	Engineering Mathematics - XVIII
87	Engineering Physics - XVIII
88	Engineering Chemistry - XVIII
89	Engineering Drawing - XVIII
90	Engineering Computer Graphics
91	Engineering Mathematics - XIX
92	Engineering Physics - XIX
93	Engineering Chemistry - XIX
94	Engineering Drawing - XIX
95	Engineering Computer Graphics
96	Engineering Mathematics - XX
97	Engineering Physics - XX
98	Engineering Chemistry - XX
99	Engineering Drawing - XX
100	Engineering Computer Graphics

10	NCMC	21MATDIP41	Additional Mathematics–II	Mathematics	3	1	-	3	00	100	100	00
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3) Non Credit Mandatory Courses (NCMC) Additional Mathematics-I and II prescribed for III and IV semesters respectively, to the lateral entry Diploma holders admitted to III semester of B. Tech. programs, shall attend the classes during the respective semesters to complete all the formalities of the course and appear for the university examination. In case any student fails to register for the said course/fails to secure the minimum 50% of the prescribed CIE marks, he/she shall be deemed to have secured F grade. In such a case, the students have to fulfill the requirements during subsequent semester/s to appear for SEE.

4) These courses shall not be mandatory for vertical progression, but completion of the courses shall be mandatory for the award of degree.

Courses prescribed to lateral entry B.Sc. degree holders admitted to III semester of Engineering programs	
Sl. No.	Course Name
1	Engineering Mathematics - I
2	Engineering Physics - I
3	Engineering Chemistry - I
4	Engineering Drawing
5	Engineering English
6	Engineering Computer Graphics
7	Engineering Mathematics - II
8	Engineering Physics - II
9	Engineering Chemistry - II
10	Engineering Drawing
11	Engineering English
12	Engineering Computer Graphics
13	Engineering Mathematics - III
14	Engineering Physics - III
15	Engineering Chemistry - III
16	Engineering Drawing
17	Engineering English
18	Engineering Computer Graphics
19	Engineering Mathematics - IV
20	Engineering Physics - IV
21	Engineering Chemistry - IV
22	Engineering Drawing
23	Engineering English
24	Engineering Computer Graphics
25	Engineering Mathematics - V
26	Engineering Physics - V
27	Engineering Chemistry - V
28	Engineering Drawing
29	Engineering English
30	Engineering Computer Graphics
31	Engineering Mathematics - VI
32	Engineering Physics - VI
33	Engineering Chemistry - VI
34	Engineering Drawing
35	Engineering English
36	Engineering Computer Graphics
37	Engineering Mathematics - VII
38	Engineering Physics - VII
39	Engineering Chemistry - VII
40	Engineering Drawing
41	Engineering English
42	Engineering Computer Graphics
43	Engineering Mathematics - VIII
44	Engineering Physics - VIII
45	Engineering Chemistry - VIII
46	Engineering Drawing
47	Engineering English
48	Engineering Computer Graphics
49	Engineering Mathematics - IX
50	Engineering Physics - IX
51	Engineering Chemistry - IX
52	Engineering Drawing
53	Engineering English
54	Engineering Computer Graphics
55	Engineering Mathematics - X
56	Engineering Physics - X
57	Engineering Chemistry - X
58	Engineering Drawing
59	Engineering English
60	Engineering Computer Graphics
61	Engineering Mathematics - XI
62	Engineering Physics - XI
63	Engineering Chemistry - XI
64	Engineering Drawing
65	Engineering English
66	Engineering Computer Graphics
67	Engineering Mathematics - XII
68	Engineering Physics - XII
69	Engineering Chemistry - XII
70	Engineering Drawing
71	Engineering English
72	Engineering Computer Graphics
73	Engineering Mathematics - XIII
74	Engineering Physics - XIII
75	Engineering Chemistry - XIII
76	Engineering Drawing
77	Engineering English
78	Engineering Computer Graphics
79	Engineering Mathematics - XIV
80	Engineering Physics - XIV
81	Engineering Chemistry - XIV
82	Engineering Drawing
83	Engineering English
84	Engineering Computer Graphics
85	Engineering Mathematics - XV
86	Engineering Physics - XV
87	Engineering Chemistry - XV
88	Engineering Drawing
89	Engineering English
90	Engineering Computer Graphics
91	Engineering Mathematics - XVI
92	Engineering Physics - XVI
93	Engineering Chemistry - XVI
94	Engineering Drawing
95	Engineering English
96	Engineering Computer Graphics
97	Engineering Mathematics - XVII
98	Engineering Physics - XVII
99	Engineering Chemistry - XVII
100	Engineering Drawing
101	Engineering English
102	Engineering Computer Graphics
103	Engineering Mathematics - XVIII
104	Engineering Physics - XVIII
105	Engineering Chemistry - XVIII
106	Engineering Drawing
107	Engineering English
108	Engineering Computer Graphics
109	Engineering Mathematics - XIX
110	Engineering Physics - XIX
111	Engineering Chemistry - XIX
112	Engineering Drawing
113	Engineering English
114	Engineering Computer Graphics
115	Engineering Mathematics - XX
116	Engineering Physics - XX
117	Engineering Chemistry - XX
118	Engineering Drawing
119	Engineering English
120	Engineering Computer Graphics
121	Engineering Mathematics - XXI
122	Engineering Physics - XXI
123	Engineering Chemistry - XXI
124	Engineering Drawing
125	Engineering English
126	Engineering Computer Graphics
127	Engineering Mathematics - XXII
128	Engineering Physics - XXII
129	Engineering Chemistry - XXII
130	Engineering Drawing
131	Engineering English
132	Engineering Computer Graphics
133	Engineering Mathematics - XXIII
134	Engineering Physics - XXIII
135	Engineering Chemistry - XXIII
136	Engineering Drawing
137	Engineering English
138	Engineering Computer Graphics
139	Engineering Mathematics - XXIV
140	Engineering Physics - XXIV
141	Engineering Chemistry - XXIV
142	Engineering Drawing
143	Engineering English
144	Engineering Computer Graphics
145	Engineering Mathematics - XXV
146	Engineering Physics - XXV
147	Engineering Chemistry - XXV
148	Engineering Drawing
149	Engineering English
150	Engineering Computer Graphics
151	Engineering Mathematics - XXVI
152	Engineering Physics - XXVI
153	Engineering Chemistry - XXVI
154	Engineering Drawing
155	Engineering English
156	Engineering Computer Graphics
157	Engineering Mathematics - XXVII
158	Engineering Physics - XXVII
159	Engineering Chemistry - XXVII
160	Engineering Drawing
161	Engineering English
162	Engineering Computer Graphics
163	Engineering Mathematics - XXVIII
164</	

Lateral entry students from B.Sc. stream, shall clear the non credit courses Computer Aided Engineering Drawing, Elements of Civil Engineering of First Year Engineering Programme. These Courses shall not be considered for vertical progression, but completion of the courses shall be mandatory for the award of degree.

**AICTE Activity Points to be earned by students admitted to B.Tech. programme ( For more details refer to Chapter 6,AICTE Activity Point Programme, Model Internship Guidelines):**

Over and above the academic grades, every regular student admitted to the 4 years Degree programme and every student entering 4 years Degree programme through lateral entry, shall earn 100 and 75 Activity points respectively for the award of degree through AICTE Activity Point Programme. Students transferred from other universities to fifth semester are required to earn 50 activity points from the year of entry to Sharnbasva University. The Activity Points earned shall be reflected on the student's eighth semester Gradecard.

The activities can be spread over the years, anytime during the semester weekends holidays, as per the liking and convenience of the student from the year of entry to the programme. However, minimum hours requirement should be fulfilled. Activity Points(non credit) have no effect on SGPA/CGPA and shall not be considered for vertical progression.

In case students fail to earn the prescribed activity points, Eighth semester Grade Card shall be issued only after earning the required activity points.  
Student shall be admitted for the award of the degree only after the release of the Eighth semester Grade Card.

**Sharnbasva University, Kalaburagi**  
**Scheme of Teaching and Examination 2021-22**  
**Outcome Based Education(OBE) and Choice Based Credit System(CBCS)**  
(Effective from the academic year 2023-24)

**Programme: B.Tech: Civil Engineering**

**V SEMESTER**

Sl. No.	CourseCode		CourseTitle	Teaching Department	Teaching Hours/week			Examination				Credits
					Theory Lecture	Tutorial	Practical/Dra	Duration in Hours	CIEMarks	SEEMarks	Total Marks	
1	HSS	21CV51	Construction Management and Entrepreneurship		2	1		3	50	50	100	03
2	PCC	21CV52	Design of RCC Structures		2	1		3	50	50	100	03
3	PCC	21CV53	Structural Analysis -II		2	1		3	50	50	100	03
4	PEC	21CV54X	Professional Elective Course-I		2	1		3	50	50	100	03
5	OEC	21CV55X	Open Elective Course-I		3	1		3	50	50	100	04
6	PCC	21CVL56	Building Information Modeling Lab				2	3	50	50	100	01
7	PCC	21CVL57	Concrete & Highway Materials Testing Lab				2	3	50	50	100	01
8	PEC	21CVL58	Geo technical engineering lab				2	3	50	50	100	01
9	PW	21PRJ59	Project-V				2	3	50	50	100	01
10	AEC	21ACV510X	Ability Enhancement Course-V				2	3	50	50	100	01
Total					11	05	10	30	500	500	1000	21

Note: PCC- Programme Core Course, PEC- Professional Elective Course, PW- Project Work, HSS- Humanity and Social Science, OEC- Open Elective Course, AEC- Ability Enhancement Course.

Project (PRJ): Based on the ability/abilities of the student/s and recommendation of the mentor, a single discipline or multidisciplinary mini project can be assigned to an individual student or to a group having not more than 4 students

Professional Elective Course-I	
Coursecodeunder21CV54X	Course Title
21CV541	Advanced Geotechnical Engineering
21CV542	Masonry structure
Open Elective Course-I	
Coursecodeunder21CV55X	Course Title
21CV551	Alternative Building Materials
21CV552	Repair & Rehabilitation of Structures
Ability Enhancement Course-V	
Coursecodeunder21ACV510X	CourseTitle
21ACV5101	Field training
<b>AICTEActivityPoints:</b> Incasethestudents failtoearn theprescribedactivitypoints,EighthsemesterGradeCardshall beissuedonlyafterearningthe requiredactivitypoints.Student shallbeadmittedfortheaward ofthedegreeonlyaftertherelease of theEighth semesterGradeCard.	

**Sharnbasva University, Kalaburagi**  
**Scheme of Teaching and Examination 2021-22**  
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(Effective from the academic year 2023-24)

**Programme: B.Tech: Civil Engineering**

**VI SEMESTER**

Sl. No.	CourseCode		CourseTitle	Teaching Department	Teaching Hours/week			Examination				Credits
					Theory Lecture	Tutorial	Practical/Drafting	Duration inHours	CIEMarks	SEEMarks	Total Marks	
1	PCC	21CV61	Design of Steel Structures		2	1		3	50	50	100	03
2	PCC	21CV62	Hydrology and irrigation Engineering		2	1		3	50	50	100	03
3	PEC	21CV63X	Professional Elective Course-II		3			3	50	50	100	03
4	PEC	21CV64X	Professional Elective Course-III		3			3	50	50	100	03
5	OEC	21CV65X	Open Elective Course-II		3	1		3	50	50	100	04
6	PCC	21CVL66	Extensive Survey Lab				2	3	50	50	100	01
7	PEC	21CVL67	Software Application Lab				2	3	50	50	100	01
8	PEC	21CVL68	Environmental Engineering Lab				2	3	50	50	100	01
9	PW	21PRJ69	Project-VI				2	3	50	50	100	01
10	HSS	21HSM69	Professional Ethics	Humanities	1			3	50	50	100	01
11	AEC	21ACV610X	Ability Enhancement Course-VI				2	3	50	50	100	01
Total					14	3	10	33	550	550	1100	22

Note:PCC-Professional Core Course,PEC-Professional Elective Course,OEC-Open Elective Course,PW-Project Work,HSS-Humanity and Social Science, AEC- Ability Enhancement Course. Internship-To be carried out during the vacation/s of VI and VII semesters or VII and VIII semesters

Project(PRJ):Based on the ability/abilities of the student/s and recommendation of the mentor, a single disciplinary or multi disciplinary mini project can be Assigned to an individual students or to a group having not more than 4 students.

<b>Professional Elective Course-II</b>	
<b>Coursecodeunder21CV63X</b>	<b>Course Title</b>
21CV631	Environmental Engineering
21CV632	Sustainability concepts in Engineering
<b>Professional Elective Course-III</b>	
<b>Coursecodeunder 21CV64X</b>	<b>Course Title</b>
21CV641	Highway Engineering
21CV642	Ground improvement techniques
<b>Open Elective Course-II</b>	
<b>Course code under 21CV65X</b>	<b>Course Title</b>
21CV651	Solid Waste Management
21CV652	Air pollution & control
<b>Ability Enhancement Course-VI</b>	
<b>Coursecodeunder21ACV610X</b>	<b>Course Title</b>
21ACV6101	Construction project management using primavera P-6
21ACV6102	Quantity Estimation
<b>AICTEActivityPoints:</b> In case students fail to earn the prescribed activity points, Eighth semester Grade Card shall be issued only after earning the required activity points. Students shall be admitted for the award of the degree only after the release of the Eighth semester Grade Card.	



**Sharnbasva University, Kalaburagi**  
**Scheme of Teaching and Examination 2021-22**  
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(Effective from the academic year 2024-25)

**Programme: B.Tech: Civil Engineering**

**VII SEMESTER**

Sl. No.	CourseCode		Course Title	Teaching Department	Teaching Hours/week			Examination				Credits
					Theory Lecture	Tutorial	Practical/ Drawing	Duration in Hours	CIE Marks	SEE Marks	Total Marks	
1	PCC	21CV71	Estimation ,Costing and Contract Management		2	1		3	50	50	100	03
2	PCC	21CV72	Design of RCC and Steel Structures		2	1		3	50	50	100	03
3	PCC	21CV73	Railway,Harbour,Tunnel and Airport		3	0		3	50	50	100	03
4	PEC	21CV74X	Professional Elective Course-IV		2	1		3	50	50	100	03
5	OEC	21CV75X	Open Elective Course-III		3	1		3	50	50	100	04
6	PCC	21CVL76	3D Modeling software lab				2	3	50	50	100	01
7	PCC	21CVL77	Civil Workshop Lab				2	3	50	50	100	01
8	PEC	21CVL78	Computer Aided Detailing of Structure Lab				2	3	50	50	100	01
9	PW	21PRJ79	Project-VII				2	3	50	50	100	01
10	HSS	21HSM710	Industrial Psychology and Organisational Behaviour	Humanities	1			3	50	50	100	01
Total					13	4	8	30	500	500	1000	21

Note: PCC-Professional Core Course, PEC-Professional Elective Course, OEC-Open Elective Course, PW-Project Work, HSS-Humanity and Social Science, AEC- Ability Enhancement Course.

Project(PRJ): A batch of 4 to 5 students (Same branch or different branches) with a guide, may undertake one project (1 hour of theory/tutorial or two hours of practice /activities).	
<b>Professional Elective Course-IV</b>	
<b>Course code under 21CV74X</b>	<b>Course Title</b>
21CV741	Municipal and industrial waste water Engineering
21CV742	Pavement Design
<b>Open Elective Course-IV</b>	
<b>Coursecodeunder21CV74X</b>	<b>Course Title</b>
21CV751	Green Building
21CV752	Intelligent Transport system
<b>AICTE Activity Points:</b> In case students fail to earn the prescribed activity points, Eighth semester Grade Card shall be issued only after earning the Required activity points. Student shall be admitted for the award of the degree only after the release of the Eighth semester Grade Card.	

**Sharnbasva University, Kalaburagi**  
**Scheme of Teaching and Examination 2021-22**  
**Outcome Based Education(OBE) and Choice Based Credit System(CBCS)**  
(Effective from the academic year 2024-25)

**Programme :B.Tech: Civil Engineering**

**VIII SEMESTER**

Sl. No.	CourseCode		CourseTitle	Teaching Department	Teaching Hours/week			Examination				Credits
					Theory Lecture	Tutorial	Practical/Draft	Duration inHours	CIEMarks	SEEMarks	Total Marks	
1	Project	21PRJ81	Research Project / Field Project - VIII				16	3	50	50	100	08
2	Internship	21CVI82	Internship				12	3	50	50	100	06
Total							18	06	100	100	200	14

Note:

PCC-Professional Core Course, PEC-Professional Elective Course, OEC-Open Elective Course, PW-Project Work, HSS-Humanity and Social Science, AEC- Ability Enhancement Course. Internship-To be carried out during the vacation/s of VI and VII semesters VIII semesters

Project(PRJ):Based on the ability/abilities of the student/s and recommendations of the mentor, assign discipline or multidisciplinary mini project can be assigned to individual students or to a group having more than four students.

**Note: Project-8 Manufacturable and marketable project / Research project/Field Project.**