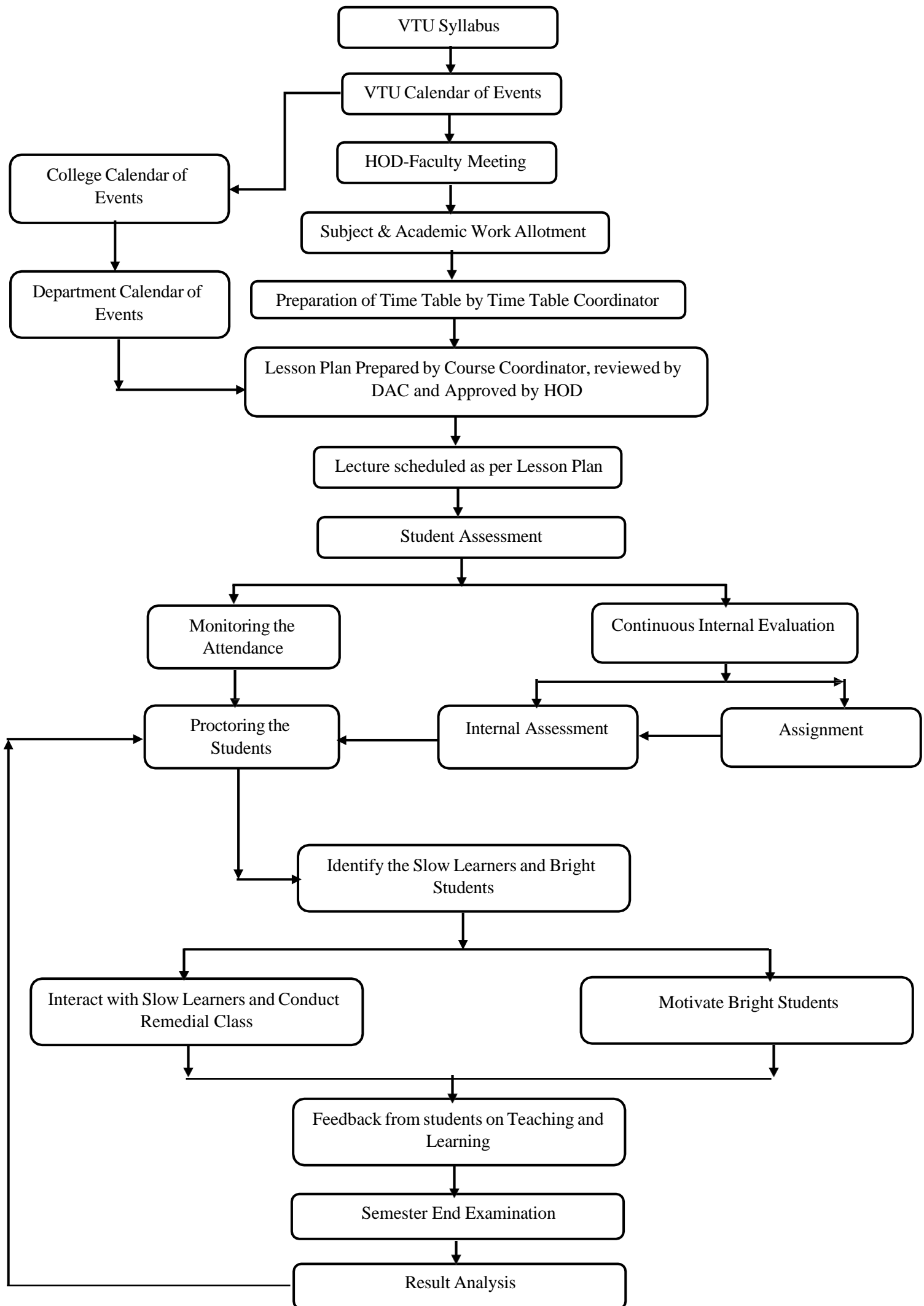


2.2. Teaching - Learning Processes (100)

2.2.1. Describe Processes followed to improve quality of Teaching & Learning (25)

(Processes may include adherence to academic calendar and improving instruction methods using pedagogical initiatives such as real world examples, collaborative learning, quality of laboratory experience with regard to conducting experiments, recording observations, analysis of data etc. encouraging bright students, assisting weak students etc. The implementation details and impact analysis need to be documented)

The teaching & learning process is illustrated in Figure 2.2.1(a)



To strengthen the teaching-learning process, the following initiatives have been taken:

❖ **Adherence to Academic Calendar**

- Preparation of academic action plans/Lesson Plan

❖ **Pedagogical Initiatives**

- Course Delivery (method of instruction)
- Project Based Learning

❖ **Methodologies to support weak students and encourage bright Students**

- Mentoring System
- Identification of slow learners / Fast Learners
- Action Taken


❖ **Quality of Class Room Teaching**

❖ **Conduct of Experiments**

❖ **Student Feedback and action taken**

❖ Adherence to Academic Calendar

- At the beginning of every semester, a department calendar of events will be prepared and circulated based on the academic calendar circulated by the VTU. The academic calendar of VTU highlights the commencement and, the last working day of the current semester, the commencement of practical and theoretical examination, and the commencement of the next Semester. Figure 2.2.1(b)(c) shows the sample VTU guidelines for the academic calendar
- Based on the academic calendar disseminated by the University, the Calendar of Events at the institutional level is scheduled. The department Calendar of Events is prepared in line with the institution-level schedule. Figures 2.2.1(d)(e) shows the Institution and department level academic calendars respectively for the year 2023-2024.
- The calendar of events at the institutional level indicates the total number of working days in the semester, the commencement of internal assessment exams, the date for students' feedback, co-curricular and extracurricular activities. The List holidays also are mentioned.
- The department calendar of events is planned based on the Institution calendar. It chalks out the activities planned to address the gaps in attaining the POs and PSOs. Activities like invited talks, Industrial visits, software training, material exhibition, skill development activities, placement training are scheduled in accordance with the academic calendar to supplement the teaching-learning process.
- At the beginning of the semester, faculty members submit their subject preferences. Most subjects are allocated based on these preferences during the department meeting, where the final decisions are made. The timetable is prepared by the timetable coordinator. The course coordinator prepares the lesson plan in accordance with the calendar of events. The lesson plan for each course is scrutinized by the DAC.



ವಿಶ್ವವರಾಹ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ
VISVESVARAYA TECHNOLOGICAL UNIVERSITY
(State University of Government of Karnataka Established as per the VTU Act, 1994)

Phone : 0831-2498100 / 2405
 Fax : 0831-2405467
 Email : registrar@vtu.ac.in
 Web : https://vtu.ac.in

Reference: VTU/BOS/AC2023-24/6540 Dated: 27 FEB 2024

REVISED- NOTIFICATION

Subject: Tentative Revised-Academic Calendar for III and IV semesters B.E./B.Tech., programs regarding...

Reference: VTU/BOS/AC2023-24(ODD)/5858, 24.01.2024
 VTU/BOS/AC2023-24(EVEN)/6379, Dated: 19.02.2024
 Hon'ble Vice-Chancellor's approval Dated: 27.02.2024

The tentative revised academic calendar concerned with III and IV semester B.E./B.Tech. programmes for the academic year 2023-24 is attached to this notification for reference to all the stakeholders concerned. (The previously published academic calendar VTU/BOS/AC2023-24/6379, dated February 19, 2024, stands cancelled.)

The principals of non-autonomous, constituent, and autonomous engineering colleges and chairpersons of university departments are hereby, informed to bring the revised academic calendar to the attention of all concerned.

If any suggestions/clarification/corrections, email-sbhvtuso@yahoo.com

Sd/-
REGISTRAR

To,

- The Principals of all Non-autonomous/ constituent /Autonomous Engineering Colleges under the ambit of VTU Belagavi.
- The chairperson/Program coordinators, of the university Departments at Belagavi, Bengaluru, Mysuru and Kalburgi

Copy to,

- To the Hon'ble Vice-Chancellor through the secretary to VC, VTU Belagavi for information
- The Registrar (Evaluation), VTU Belagavi for information and needful.
- The Regional Directors (I/c) of all the regional offices of VTU for circulation.
- The Director ITI SMU, VTU Belagavi for information and to make arrangements to upload the Academic Calendar on the VTU web portal.
- The Director of Physical Education, VTU Belagavi for information

Figure 2.2.1 (b): VTU Circular

	Regular Admitted Students	Lateral Entry (Diploma Graduate) Students	Working Professional (Diploma Graduates)	Remarks (Only applicable for Students admitted under working professional Category)
Commencement of the 3 rd Semester	15.11.2023		12.02.2024	
Commencement of Classes	15.11.2023		12.02.2024	
Last Working day of the 3 rd Semester	09.03.2024		13.04.2024	Students have to complete Theory CIE only and Practical CIE and SEE examination.
Practical Examination (Regular Students)	30.03.2024 To 12.04.2024			
Theory Examinations	13.03.2024 To 27.03.2024			
Commencement of 4 th Semester	15.04.2024		15.04.2024	
Commencement of the 4 th Semester and class	15.04.2024			Students have to complete Theory SEE within 15 days at the beginning of the 4 th semester
Last Working day of the Semester	27.07.2024			
Practical Examination (Regular Students)	29.07.2024 to 07.08.2024			Common to all
Theory Examinations	08.08.2024 to 28.08.2024			Common to all
Practical Examinations (For Lateral Entry Students)	-----			
Commencement of 5 th Semester	02.09.2024			

Figure 2.2.1 (c): Academic Calendar



K. S. SCHOOL OF ENGINEERING AND MANAGEMENT, BENGALURU-560109
TENTATIVE CALENDAR OF EVENTS: VI SEM - EVEN (2024-2025)
SESSION: FEB TO MAY 2025

Week No.	Month	Day						Days	Activities
		Mon	Tue	Wed	Thu	Fri	Sat		
1	FEB	10*	11	12	13	14	15 DH	5	10* Commencement of VI
2	FEB	17	18	19	20	21	22	6	22 - Monday Time Table
3	FEB MAR	24	25	26H	27	28	1DH	4	26 - Mahasivratri
4	MAR	3	4	5	6	7	8	6	8 - Wednesday Time Table
5	MAR	10	11	12	13	14TA	15DH	5	
6	MAR	17T1	18T1	19T1	20	21	22	6	22 - Sports Day
7	MAR	24* FFB1	25 BV	26 ASD	27	28	29	6	24- First Faculty Feed Back 29 - Monday Time Table
8	MAR/ APR	31H	1	2	3	4	5DH	4	31- Qutub-E-Ramzan
9	APR	7	8	9	10 H	11	12	5	10 - Mahaveer Jayanthi
10	APR	14 H	15	16	17TA	18H	19DH	3	12- <i>wednesday Time Table</i> 14- Dr. B R Ambedkar Jayanthi 18- Good Friday
11	APR	21T2	22T2	23T2	24	25	26	6	24 - GC Meeting 26- AAROHANA
12	APR/ MAY	28 BV	29 ASD	30H	1 H	2	3DH	3	30- Basava Jayanthi 1 - May Day (Labour Day)
13	MAY	5* FFB1	6	7	8	9	10	6	5- Second Faculty Feed Back 10 - Thursday Time Table
14	MAY	12	13	14	15	16	17DH	5	
15	MAY	19	20	21TA	22T3	23T3	24T3	6	
16	MAY 2025	26LT	27LT	27LT	27LT	30	31*	6	31- Thursday Time Table 31* - Last working Day

Total No of Working Days : 82

Total Number of working days (Excluding holidays and Tests)= 69

H	Holiday
BV	Blue Book Verification
T1,T2,T3	Tests 1,2,3
ASD	Attendance & Sessional Display
DH	Declared Holiday
LT	Lab Test
TA	Test attendance

Monday	13
Tuesday	13
Wednesday	13
Thursday	14
Friday	14
Sports Day	1
Aarohana	1
Total	69

SIGNATURE OF PRINCIPAL
 Dr. K. RAMA NARASIMHA
 Principal/Director
 K.S School of Engineering and Management
 Bengaluru - 560 109

Figure 2.2.1 (d): College Level CoE



K. S. SCHOOL OF ENGINEERING AND MANAGEMENT, BENGALURU-560109
TENTATIVE CALENDAR OF EVENTS: VI SEM - EVEN (2024-2025)
SESSION: FEB TO MAY 2025

Week No.	Month	Day						Days	Activities
		Mon	Tue	Wed	Thu	Fri	Sat		
1	FEB	10*	11	12	13	14	15 DH	5	10* Commencement of VI
2	FEB	17	18	19	20	21	22	6	22 - Monday Time Table
3	FEB MAR	24	25	26H	27	28	1DH	4	26 - Mahasivratri 28-Guest Lecture on GIS Applications
4	MAR	3	4	5	6	7	8	6	7- Site Visit 8 - Wednesday Time Table
5	MAR	10	11	12	13	14TA	1SDH	5	12- Guest Lecture on Project Management and Finance
6	MAR	17T1	18T1	19T1	20	21	22	6	22 - Sports Day
7	MAR	24* FFB1	25 BV	26 ASD	27	28	29	6	24- First Faculty Feed Back 28- Site Visit to Hydraulic Structures/Dam 29 - Monday Time Table
8	MAR/ APR	31H	1	2	3	4	5DH	4	31- Qutub-E-Ramzan 2- Workshop on DPR
9	APR	7	8	9	10H	11	12	5	10 - Mahaveer Jayanthi 10-19 Skill Development Program on Revit Structure and Revit Architecture 12-Wednesday Time Table
10	APR	14H	15	16	17TA	18H	19DH	3	14- Dr. B R Ambedkar Jayanthi 18- Good Friday
11	APR	21T2	22T2	23T2	24	25	26	6	24 - GC Meeting 26- AAROHANA
12	APR/ MAY	28 BV	29 ASD	30H	1H	2	3DH	3	30- Basava Jayanthi 1 - May Day (Labour Day)
13	MAY	5* FFB1	6	7	8	9	10	6	5- Second Faculty Feed Back 10 - Thursday Time Table
14	MAY	12	13	14	15	16	17DH	5	
15	MAY	19	20	21TA	22T3	23T3	24T3	6	
16	MAY 2025	26LT	27LT	27LT	27LT	30	31*	6	31- Thursday Time Table 31* - Last working Day
Total No of Working Days : 82									
Total Number of working days (Excluding holidays and Tests)= 69									

H	Holiday
BV	Blue Book Verification
T1,T2,T3	Tests 1,2,3
ASD	Attendance & Sessional Display
DH	Declared Holiday
LT	Lab Test
TA	Test attendance

Monday	13
Tuesday	13
Wednesday	13
Thursday	14
Friday	14
Sports Day	1
Aarohana	1
Total	69

W. Kelle
Professor & Head
 Dept. of Civil Engineering
 K.S. Group of Institutions
 K.S. School of Engineering & Management
 Bangalore-560 062.

Figure 2.2.1(e): Department Level CoE

❖ **Various instructional methods and pedagogical initiatives**

- Pedagogies play an important role in delivering content and it varies with the audience. Course allocation is made or selected based on the choice/ expertise of the faculty members one month before the commencement of semester.
- Once the courses are allocated, the faculty members prepare a detailed lesson plan, assignments questions, quiz questions etc. for a particular course. Course handouts and materials are prepared keeping in mind the lesson plan and course outcomes.

Faculty members use various pedagogical methods for effective teaching learning process. Fig 2.2.1(f) illustrates some of the pedagogical initiatives which are followed in the department.

Sl.NO	Subject Code	Subject Name	Pedagogical methods	Activity Name
Structural Engineering				
1	18CV32	Strength of Materials	Lecture/ICT/Guest Lecture	Guest Lecture on Recent Trends in Structural Engineering https://kssem.edu.in/images/1741149396717_report.pdf
2	18CV42	Analysis of Determinate Structures	Lecture/ICT/Guest Lecture	
3	18CV52	Analysis of Indeterminate Structures	Lecture/ICT/Field Visits	Construction site visit https://kssem.edu.in/images/2c9f8d4186a801c70186d9c04ffa00bb_profile.pdf
4	18CV53	Design of RC Structural Elements	Lecture /Site Visits/workshops	Pre-Employment Training on Good and Bad Practices of Construction Workshop on Concrete Mix Design https://kssem.edu.in/images/1680246362855_report.pdf
5	18CV61	Design of Steel Structural Elements	Lecture /Site Visits	Construction site visit
6	18CV81	Design of Pre-stressed Concrete	Lecture /Site Visits/Guest Lecture	Guest Lecture By Dr Manmohan kalgil on Prestressed Concrete
Concrete Technology/Building Materials				
7	18CV34	Building Materials and Construction	Lecture /Industrial Visits	Seminar on Concrete Innovations changing the Future Constructions
8	18CVL38	Building Materials Testing Laboratory	Lecture /Industrial Visits	Concrete Mix Proportioning-A Case Study
9	18CV44	Concrete Technology	Lecture /Industrial Visits/Flip classes/Seminars	Site Visit to RDC concrete limited Flip classes

10	18CV51	Construction Management & Entrepreneurship	Lecture /Industrial Visits	1. Ascend school of construction business 2.Seminar on Application of Augmented reality and Virtual reality in engineering 3.Alumini Talk on Entrepreneurship
11	18CVL58	Concrete and Highway Materials Laboratory	Lecture /Industrial Visits/Workshops	Industrial visit to Tulasi RMC Plant
Fluid Mechanics and Hydraulics				
12	18CV32	Fluid Mechanics	Lecture /Industrial Visits	Model making competition
13	18CV43	Applied Hydraulics	Lecture /Industrial Visits	Site Visit to Water Purification plant at TK HALLI, Malavalli Taluk, Mandya
14	18CV63	Hydrology and Irrigation Engineering	Lecture /Industrial Visits	Industrial Visit to Shivanasamudra Hydro & Solar Power Plant, Mandya (Dist.) Karnataka
15	18CVL48	Fluid Mechanics and Hydraulic Machines Laboratory	Lecture /Industrial Visits	Industrial Visits on Plumbex
Environmental Engineering				
16	18CV46	Water Supply & Treatment Engineering	Lecture /Industrial Visits	Site Visit to Water Purification plant at TK HALLI, Malavalli Taluk, Mandya
17	18CV55	Municipal Wastewater Engineering	Lecture /Industrial Visits	Ashirwad plumbing school

18	18CVL67	Environmental Engineering Laboratory	Lecture /Industrial Visits	Ashirwad plumbing school
19	18CV732	Air Pollution and Control	Lecture /ICT	Flip Classes/Power Point Presentation Flip classes
Geotechnical Engineering				
20	18CV36	Engineering Geology	Site Visits/ Project based Learning	ACE TECH Exhibition STONA 2023
21	18CVL47	Engineering Geology Laboratory	Site Visits/Project Based Learning	ACE TECH Exhibition STONA 2023
22	18CV54	Basic Geotechnical Engineering	Collaborative Learning/Project based Learning	Conference on Emerging trends in Sustainable Built Environment Flip classes
23	18CV62	Applied Geotechnical Engineering	Collaborative Learning/Project based Learning	Project on Slope Stability Analysis of Madikeri District and Landslide Mitigation
24	18CVL77	Geotechnical Engineering Laboratory	Collaborative Learning/Project based Learning	Projects on Comparative of conventional retaining wall with segmental retaining wall

25	18CV741	Earthquake Engineering	Collaborative Learning/Project based Learning	Seminar on Conference on Emerging trends in Sustainable Built Environment Projects on Experimental and Analytical study on Seismic Behavior of RCC Portal Frame using ETABS
Highway/Transportation Engineering				
26	18CV35	Basic Surveying	Collaborative Learning/Project based Learning	Two day technical training on land survey using total station
27	18CV45	Advanced Surveying	Collaborative Learning/Project based Learning	Two day technical training on land survey using tot
28	18CV56	Highway Engineering	Consultancy	Building survey work
29	18CVL57	Surveying Practice	Consultancy	Building survey work
30	18CV71	Quality Surveying and Contract Management	Collaborative Learning/Guest Lecture/Alumni Talk	1. Guest Lecture on An Approach to Quantity Surveying And Estimation in Construction Industry 2. Seminar on Intellectual property rights
31	18CV825	Pavement Design	Guest Lecture	Guest Lecture on Pavement Design
		Project Work	Skill Development Program	Software Training
32		Technical Seminar		Flip classes