Teaching Scheme

SCHOOL OF ENGINEERING
RK UNIVERSITY

SCHOOL OF ENGINEERING	PROGRAM: B. Tech - CIVIL ENGINEERING
ACADEMIC YEAR - 2023-24	SEMESTER – I (Batch: 2023-27)
DEFINITION OF ONE CREDIT:	1. **Lecture (L):** 1 hour / week / semester,
	2. **Practical (P):** 2 hour / week / semester,
	3. **Tutorial (T):** 2 hour / week / semester.

TEACHING SCHEME

Course Code	Course Name	Teaching Hours				Credits	Max. Marks of TSEE	CIE	PSEE	TCIE-I Assessment Scheme	Remarks if any
		TH	TU	PR	SSH						
APS111	Applied Calculus	3	2	0	3	4	100	Y	N	Assignment	Revised
ESL001	English as a Second Language-I	3	0	0	3	3	100	Y	N	Assignment + Presentation	Revised
CV114	Fundamentals of Civil Engineering	3	0	2	3	4	100	Y	Y	LMS Quiz	As it is
ME128	Fundamentals of Mechanical Engineering	3	0	2	3	4	100	Y	Y	Assignment	Revised
ME129	Workshop Practice	0	0	2	0	1	–	Y	Y	NA	Revised
APS121	Applied Science	3	0	2	3	4	100	Y	Y	Assignment	Revised
	TOTAL	15	2	08	15	20					
	Total Teaching Hours 25										

1. CIE – Continuous internal evaluation (TCIE &/OR PCIE)
2. SSH - Self-study hours
3. PSEE – Practical semester end examination including ITD, Dissertation, Industrial project, Industrial training etc..
4. (@) Audit Course / Non-Gradial Course
5. TSEE – Theory Semester End Examinations
6. Y – Yes   I   N- No
7. TH – Theory | PR – Practical | TU – Tutorial
8. Any other abbreviation

HOD

Directo

RKUNIVERSITY

Implemented from Academic year - 2023-24

Teaching Scheme

SCHOOL OF ENGINEERING — RK UNIVERSITY

SCHOOL OF ENGINEERING	PROGRAM: B. Tech - CIVIL ENGINEERING
ACADEMIC YEAR - 2023-24	SEMESTER – II (Batch: 2023-27)
DEFINITION OF ONE CREDIT:	1. **Lecture (L):** 1 hour / week / semester, 2. **Practical (P):** 2 hour / week / semester, 3. **Tutorial (T):** 2 hour / week / semester.

TEACHING SCHEME

Course Code	Course Name	Teaching Hours			SSH	Credits	Max. Marks of TSEE	CIE	PSEE	TCIE-I Assessment Scheme	Remarks if any
		TH	TU	PR							
APS201	Vector Calculus and Linear Algebra	3	2	0	3	4	100	Y	N	Assignment	Revised
ESL002	English as a Second Language-II	3		0	3	3	100	Y	N	Assignment + Presentation	Revised
EL105	Fundamentals of Electrical Engineering	3	0	2	3	4	100	Y	Y	Assignment	As it is
CV115	Mechanics of Solids	3	0	2	3	4	100	Y	Y	Assignment	As it is
ME134	Engineering Drawing with AutoCAD	3	0	4	3	5	100	Y	Y	Task Based	Revised
ES001	Environmental Science*	2*	0	0	4	3	50	Y	N	Assignment	As it is
TOTAL		17	02	08	19	23					

Total Teaching Hours 27

1. CIE – Continuous internal evaluation (TCIE &/OR PCIE)
2. SSH - Self-study hours
3. PSEE – Practical semester end examination including ITD, Dissertation, Industrial project, Industrial training etc..
4. (@) Audit Course / Non-Gradial Course
5. TSEE – Theory Semester End Examinations
6. Y – Yes   I   N- No
7. TH – Theory | PR – Practical | TU – Tutorial
8. Any other abbreviation

HOD

Director

Implemented from Academic year - 2023-24

RK UNIVERSITY

RK.UNIVERSITY

DETAILED TEACHING SCHEME

SCHOOL OF ENGINEERING

ACADEMIC YEAR – 2023-24

PROGRAM: B. TECH – CIVIL ENGINEERING

SEMESTER – III (Batch - 2022-26)

DEFINATION OF CREDIT: **1. Lecture (L):** 1 hour/week/semester, **2. Practical (P):** 2 hours/week/semester **3. Tutorial(T):** 2 hours/week/semester

TEACHING SCHEME

Course Code	Course Name	Teaching Hours per week			SSH	Credits	Max. Marks of TSEE	CIE	PSEE	TCIE-I Assessment Method	Remarks if any
		Theory	Tutorial	Practical							
APS301	Differential Equations	4	0	0	4	4	100	Y	N	Assignment	
CV313	Building Material and Construction	3	2	0	3	4	100	Y	N	Model Making	
CV308	Fluid Mechanics-I	3	0	2	3	4	100	Y	Y	Assignment	
CV309	Engineering Geology &Seismology	3	0	2	3	4	100	Y	Y	Report	
CV311	Surveying –I	3	0	2	3	4	100	Y	Y	PBL	
CV312	Structural Analysis –I	3	2	0	3	4	100	Y	N	Assignment	
MEN301	Mentoring (@)	1	0	0	-	-	-	N	N		
	TOTAL	**20**	**04**	**06**	**19**	**24**					
		Total Teaching Hours- 30									

1. CIE – Continuous internal evaluation (TCIE &/OR PCIE)
2. SSH - Self-study hours
3. PSEE – Practical semester end examination including ITD, Dissertation, Industrial project, Industrial training etc..
4. (@) Audit Course / Non-Gradial Course
5. TSEE – Theory Semester End Examinations
6. Y – Yes   I   N- No

DETAILED TEACHING SCHEME

RK.UNIVERSITY

SCHOOL OF ENGINEERING

PROGRAM: B. TECH - CIVIL ENGINEERING

ACADEMIC YEAR - 2023-24

SEMESTER - IV (Batch - 2022-26)

DEFINATION OF CREDIT: **1. Lecture (L):** 1 hour/week/semester, **2. Practical (P):** 2 hours/week/semester **3. Tutorial(T):** 2 hours/week/semester

TEACHING SCHEME

Course Code	Course Name	Teaching Hours per week			SSH	Credits	Max. Marks of TSEE	CIE	PSEE	Remarks if any
		Theory	Tutorial	Practical						
CV415	Construction Technology	3	0	0	3	3	100	Y	N	
CV416	Building and Town Planning	3	0	2	3	4	100	Y	Y	
CV410	Fluid Mechanics-II	3	0	2	3	4	100	Y	Y	
CV412	Concrete Technology	3	0	2	3	4	100	Y	Y	
CV413	Surveying – II	3	0	2	3	4	100	Y	Y	
CV414	Structural Analysis – II	3	2	0	3	4	100	Y	N	
NEN001	Orientation program in entrepreneurship	2	0	0	2	2	50	Y	N	
	TOTAL	**20**	**02**	**08**	**20**	**25**				
		Total Teaching Hours- 30								

1. CIE – Continuous internal evaluation (TCIE &/OR PCIE)
2. SSH - Self-study hours
3. PSEE – Practical semester end examination including ITD, Dissertation, Industrial project, Industrial training etc..
4. (@) Audit Course / Non-Gradial Course
5. TSEE – Theory Semester End Examinations
6. Y – Yes   I   N- No

DETAILED TEACHING SCHEME

RK UNIVERSITY

SCHOOL OF ENGINEERING

ACADEMIC YEAR – 2023-24

PROGRAM: B. TECH – CIVIL ENGINEERING

SEMESTER – V (Batch - 2021-25)

DEFINATION OF CREDIT: **1. Lecture (L):** 1 hour/week/semester, **2. Practical (P):** 2 hours/week/semester **3. Tutorial(T):** 2 hours/week/semester

TEACHING SCHEME

Course Code	Course Name	Teaching Hours per week				Credits	Max. Marks of TSEE	CIE	PSEE	TCIE-I Exam Assessment Method	Remarks if any
		Theory	Tutorial	Practical	SSH						
CV519	Hydrology and Irrigation Engineering	4	2	0	4	5	100	Y	N	Poster Presentation	
CV516	Environmental Engineering -I	3	0	2	3	4	100	Y	Y	Assignment	
CV509	Geotechnical Engineering - I	3	0	2	3	4	100	Y	Y	Assignment	
CV510	Transportation Engineering –I	3	0	2	3	4	100	Y	Y	Assignment	
CV520	Structural Analysis – III	4	2	0	4	5	100	Y	N	Assignment	
PC511	Rural Internship	-	-	-	-	1	-	Y	Y	-	
XXXX	University Elective – I	3	0	0	3	3	100	Y	N	AAC	Anyone Offered University Elective-I
	TOTAL	**20**	**04**	**06**	**20**	**26**					
		Total Teaching Hours- 30									

1. CIE – Continuous internal evaluation (TCIE &/OR PCIE)
2. SSH - Self-study hours
3. PSEE – Practical semester end examination including ITD, Dissertation, Industrial project, Industrial training etc..
4. (@) Audit Course / Non-Gradial Course
5. TSEE – Theory Semester End Examinations
6. Y – Yes,   I   N- No

DETAILED TEACHING SCHEME

RKUNIVERSITY

SCHOOL OF ENGINEERING
ACADEMIC YEAR - 2023-24
DEFINATION OF CREDIT: **1. Lecture (L):** 1 hour/week/semester, **2. Practical (P):** 2 hours/week/semester **3. Tutorial(T):** 2 hours/week/semester

PROGRAM: B. TECH - CIVIL ENGINEERING
SEMESTER - VI (Batch - 2021-25)

TEACHING SCHEME

Course Code	Course Name	Teaching Hours per week			SSH	Credits	Max. Marks of TSEE	CIE	PSEE	Remarks if any
		Theory	Tutorial	Practical						
CV620	Transportation Engineering -II	3	0	0	3	3	100	Y	N	
CV609	Geotechnical Engineering - II	4	0	2	3	5	100	Y	Y	
CV611	Environmental Engineering -II	3	0	2	3	4	100	Y	Y	
CV614	Construction Project Management	3	2	0	3	4	100	Y	N	
CV618	Computer Application in Civil Engineering	0	0	2	2	1	–	Y	Y	
CV619	Design of Concrete Structures	4	2	0	3	5	100	Y	Y	
XXXX	University Elective - II	3	0	0	2	3	100	Y	N	Anyone Offered University Elective-II
	TOTAL	20	04	06	19	25				
	Total Teaching Hours- 30									

1. CIE – Continuous internal evaluation (TCIE &/OR PCIE)
2. SSH - Self-study hours
3. PSEE - Practical semester end examination including ITD, Dissertation, Industrial project, Industrial training etc...
4. (@) Audit Course / Non-Gradial Course
5. TSEE - Theory Semester End Examinations
6. Y - Yes   I   N- No

DETAILED TEACHING SCHEME

RK UNIVERSITY

SCHOOL OF ENGINEERING

ACADEMIC YEAR – 2023-24

PROGRAM: B. TECH – CIVIL ENGINEERING

SEMESTER – VII (Batch - 2020-24)

DEFINATION OF CREDIT: **1. Lecture (L):** 1 hour/week/semester, **2. Practical (P):** 2 hours/week/semester **3. Tutorial(T):** 2 hours/week/semester

TEACHING SCHEME

Course Code	Course Name	Teaching Hours per week			SSH	Credits	Max. Marks of TSEE	CIE	PSEE	TCIE-I Assessment Method	Remarks if any
		Theory	Tutorial	Practical							
CV714	Design of Steel Structures	4	2	0	4	5	100	Y	Y	Assignment	
CV711	Professional Practice and Valuation	3	4	0	3	5	100	Y	N	PBL	
CV719	Earthquake Engineering	3	0	2	3	4	100	Y	Y	MCQ	
CV715	Urban Transportation System	3	0	0	3	3	100	Y	N	Poster Presentation	
CV716	Construction Safety and Fire Engineering	3	0	0	3	3	100	Y	N	MCQ	
CV710	Project	-	-	-	-	5	-	Y	Y	-	
CVXXX	Department Elective – I	3	2	0	3	4	100	Y	N		Anyone Offered Department Elective- I
	TOTAL	**19**	**08**	**02**	**19**	**29**					
		Total Teaching Hours- 29									

1. CIE – Continuous internal evaluation (TCIE &/OR PCIE)
2. SSH - Self-study hours
3. PSEE – Practical semester end examination including ITD, Dissertation, Industrial project, Industrial training etc..
4. (@) Audit Course / Non-Gradial Course
5. TSEE – Theory Semester End Examinations
6. Y – Yes   I   N- No

DETAILED TEACHING SCHEME

RK UNIVERSITY

SCHOOL OF ENGINEERING

PROGRAM: B. TECH - CIVIL ENGINEERING

ACADEMIC YEAR - 2023-24

SEMESTER - VIII (Batch - 2020-24)

DEFINATION OF CREDIT: **1. Lecture (L):** 1 hour/week/semester, **2. Practical (P):** 2 hours/week/semester **3. Tutorial(T):** 2 hours/week/semester

TEACHING SCHEME

Course Code	Course Name	Teaching Hours per week			SSH	Credits	Max. Marks of TSEE	CIE	PSEE	Remarks if any
		Theory	Tutorial	Practical						
CV805	Industrial Internship	-	-	-	06	25	-	Y	Y	
	TOTAL	-	-	-	06	25				

Total Teaching Hours- NA

1. CIE – Continuous internal evaluation (TCIE &/OR PCIE)
2. SSH - Self-study hours
3. PSEE – Practical semester end examination including ITD, Dissertation, Industrial project, Industrial training etc...
4. (@) Audit Course / Non-Gradial Course
5. TSEE – Theory Semester End Examinations
6. Y – Yes   I   N- No

Course Title	INDUSTRIAL TRAINING
Course Code	CV805
Course Credit	25

Course Learning Outcome:

After completion of this course, the student will be able to:

- **Integrate** classroom theory with workplace practice.
- **Develop** the technical skills, best practices and knowledge required in workplace.
- **Understand** administrative functions and company culture.
- **Recognize** the role of the professional/specialist/manager/supervisor in the industry.
- **Explore** the opportunities for career.
- **Gain** knowledge through research and development.
- **Make** gradual transition from academia to career.

PEDAGOGY:

A student is required to undergo one full Semester of Industrial Internship as partial requirement for the fulfillment award of the degree.

A student's practical experience, under supervision in a well-administered agency, office, industry or organization should be commensurate with his or her level of education and future career goals. While the evaluation of the student's performance is based primarily on academic criteria, the practical experience, prospective career fields, and learning about his or her ability to function in a given occupational environment.

Rules and Regulations:

Student should:

- Follow the company etiquettes and all company regulations.
- Maintain the regularity at the assigned industry.
- Submit a detailed report at the end of the internship along with the certificate from the industry.
- Appear for end semester viva, scheduled as per the academic calendar in order to assess the learning outcomes.