Session-2
Orientation on First Year Courses
For the 2024 Admission Batch

RV College of Engineering®

Presentation Outline

Continuous Internal Evaluation (CIE):

Number of Tests & Quizzes, Mode of conduction, usage of ICT tools, Conditions for passing standard for CIE, about the remedial classes.

Orientation for First Year Courses:

Physics & Chemistry Cycle sections, Core courses, Professional electives; Emerging Technology courses; Programming Language Courses.

Selection of basket courses (ESC, ETC, PLC & HSS Courses)*

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Credit Distribution

Program	Normal Duration Years (semesters)	Total No. of credits to be Earned (Average/Semester = 22)
UG Degree B.E.	4 Years or 08 Semesters	**160 Credits**
UG Degree B.E. (Lateral Entry, Students with Diploma)	3 Years or 06 Semesters	**120 Credits***

40 Credits for the First Year B.E Programs common to all B.E. Programs

Credit Comparison between Schemes			
Sl. No.	**Scheme**	**Duration**	**Total Credits**
1.	**2007, 2010, 2012 & 2016**	**04 Years**	**200**
2.	**2018**	**04 Years**	**175**
3.	**2021**	**04 years**	**160**
4.	**2022**	**04 Years**	**160**

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Credit Distribution Sem Wise

Revised 2022 Scheme & Credit Structure			
Sem	**Status**	**REVISED Credits**	**COMMENTS**
I	**Implemented**	**20**	
II	**Implemented**	**20**	
III	**Implemented**	**21**	
IV	**Implemented**	**23**	
V	**Implemented**	**20**	
VI	**Implemented**	**24**	
VII	**Proposed**	**18+2=20**	**02 Credits For Internship.**
VIII	**Proposed**	**12**	**Major Project**
Total		**160**	

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Cycles for 2024 Admission Batch

New Streams in 2022 Scheme			
Stream-1	Stream-2	Stream-3	Stream-4
COMP. SCI.	CIVIL	MECH	ELECTRONICS
CS	CV	AS	EC
IS		CH	EE
CD		IM	ET
CI		ME	
CY			
BT			
06 Programs		08 Programs	
Total 14 B.E. Programs			

FIRST SEMESTER		
Chemistry Cycle		
1	CS	344
2	IS	164
3	CI	144
4	CD	63
5	CY	63
6	BT	63
Total		841

FIRST SEMESTER		
Physics Cycle		
1	ME	144
2	IM	63
3	AS	64
4	CH	42
5	EC	253
6	EE	64
7	ET	63
8	CV	75
Total		768

FIRST SEMESTER

Total Intake of B.E. 1609 students

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FIRST SEM SECTIONS: 2024 Admission Batch

FIRST SEMESTER CHEMISTRY CYCLE				
Sl. No.	Program	Section Name	No. of Section	Strength
1	CI	CI-A	02	144
		CI-B		
2	BT	BT	01	63
3	CD	CD	01	63
4	CS	CS-A	05	344
		CS-B		
		CS-C		
		CS-D		
		CS-E		
5	CY	CY	01	63
6	IS	IS-A	02	164
		IS-B		
			12	841

FIRST SEMESTER PHYSICS CYCLE				
Sl. No.	Program	Section Name	No. of Sections	Strength
1	AS	AS	01	64
2	CH	CH	01	42
3	CV	CV	01	75
4	EC	EC-A	04	253
		EC-B		
		EC-C		
		EC-D		
5	EE	EE	01	64
6	ET	ET	01	63
7	IM	IM	01	63
8	ME	ME-A	02	144
		ME-B		
			12	768

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First Year courses at a Glance

SL. NO.	Chemistry Cycle	Physics Cycle	Credits
CS, CD, CY, CI, IS & BT (06 Programs)		AS, CH, CV, EC, EE, ET, IE & ME (08 Programs)	
1	Mathematics (Cluster Wise)	Mathematics (Cluster Wise)	4
2	Chemistry (Theory & Practice) Cluster wise	Physics (Theory & Practice) Cluster wise	4
3	**Computer Aided Engineering Graphics**	**Professional Core Courses**	3
4	Engineering Science Courses-I	Engineering Science Courses-I	3
5	Programming Language Courses (Theory & Practice)	Emerging Technology Courses	3
6	Communicative English-I	Communicative English-I	1
7	Fundamentals of Indian Constitution	Kannada	1
8	Scientific Foundations of Health-Yoga Practice	IDEA LAB	1

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First Year courses for EL

FIRST SEMESTER CHEMISTRY CYCLE					
CS STREAMS: (AI, BT, CS, CD, CY & IS)					
SL. NO.	BoS	FIRST SEM COURSE CODES	Course Title	**EL**	**Credits**
1	MA	**MA211TC**	Fundamentals of Linear Algebra, Calculus And Statistics	**20**	**4**
2	CM	**CM211IA**	Chemistry Of Smart Materials And Devices (Theory & Practice)	**30**	**4**
4	XX	**XX113XTX**	Engineering Science Courses-I	**40**	**3**
5	XX	**XX115XIX**	Programming Language Courses (Theory & Practice)	**40**	**3**
Total Marks EL Marks will be proportionately distributed				**130 Marks**	

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First Year courses for EL

FIRST SEMESTER PHYSICS CYCLE					
ME, EC & CV STREAMS: (AS, CH, IM & ME), (EC, EE, EI & ET) & C V					
SL. NO.	BoS	FIRST SEM COURSE CODES	Course Title	**EL**	Credits
1	MA	**MA211TA**	Fundamentals of Linear Algebra, Calculus And Numerical Methods	**20**	4
	MA	**MA211TB**	Fundamentals of Linear Algebra, Calculus And Differential Equations		4
	MA	**MA211TD**	Applied Mathematics – I		4
2	PY	**PY211IA**	Condensed Matter Physics for Engineers (Theory & Practice)	**30**	4
	PY	**PY211IB**	Classical Physics for Engineers (Theory & Practice)		4
	PY	**PY211ID**	Applied Physics for Engineers (Theory & Practice)		4

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First Year courses for EL

FIRST SEMESTER PHYSICS CYCLE					
ME, EC & CV STREAMS: (AS, CH, IM & ME), (EC, EE, EI & ET) & C V					
SL. NO.	**BoS**	**FIRST SEM COURSE CODES**	**Course Title**	**EL**	**Credits**
3	XX	XX112TX	Professional Core Courses	**40**	3
4	XX	XX113XTX	Engineering Science Courses-I	**40**	3
5	XX	XX114XTX	Emerging Technology Courses-I	**40**	3
Total Marks EL Marks will be proportionately distributed				**170 Marks**	

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Engineering Mathematics in I sem

SL. NO.	BoS	Course Code	Course Title	Credits	Stream
1	MA	MA211TA	Fundamentals of Linear Algebra, Calculus And Numerical Methods	4	EC, EE, ET
2	MA	MA211TB	Fundamentals of Linear Algebra, Calculus And Differential Equations	4	AS, CH, IM, ME
3	MA	MA211TC	Fundamentals of Linear Algebra, Calculus And Statistics	4	CI, BT, CS, CD, CY, IS
4	MA	MA211TD	Applied Mathematics – I	4	CV

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Engineering Mathematics in II sem

SL. NO.	BoS	Course Code	Course Title	Credits	Stream
1	MA	MA221TA	Vector Calculus, Laplace Transform And Numerical Methods	4	EC, EE, EI, ET
2	MA	MA221TB	Vector Calculus And Computational Methods	4	AS, CH, IM, ME
3	MA	MA221TC	Number Theory, Vector Calculus And Computational Methods	4	AI, BT, CS, CD, CY, IS
4	MA	MA221TD	Applied Mathematics – II	4	CV

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Engineering PHYSICS in I & II sem

SL. NO.	BoS	Course Code	Course Title	Credits	Stream
1	PY	PY211IA	Condensed Matter Physics for Engineers	4	EC
2	PY	PY211IB	Classical Physics for Engineers	4	ME
3	PY	PY211ID	Applied Physics for Engineers	4	CS
4	PY	PY221IC	Quantum Physics for Engineers	4	CV

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Engineering CHEMISTRY in I & II sem

SL. NO.	BoS	Course Code	Course Title	Credits	Stream
1	CM	CM211IA	Chemistry Of Smart Materials And Devices	4	CS
2	CM	CM221IB	Chemistry of functional materials	4	EC
3	CM	CM221IC	Chemistry of Engineering materials	4	ME
4	CM	CM221ID	Engineering And Environmental Chemistry	4	CV

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PROFESSIONAL CORE COURSES

Sl. No	BoS	Course Code	COURSE TITLE	Credits	Stream
1.	**EC**	EC112TA	Basic Electronics	**3**	**EC**
2.	**EE**	EE112TA	Elements of Electrical Engineering	**3**	**EE**
3.	**ME**	ME112TA	Elements of Mechanical Engineering	**3**	**ME**
4.	**CV**	CV112TA	Engineering Mechanics	**3**	**CV**
5.	**CS**	CS222IA	Principles of Programming using C	**3**	**CS**

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Engineering Science Courses (ESC)

Sl.No	BoS	Course Code	ENGINEERING SCIENCE COURSE	CREDITS
1	CS	CS113ATA	Fundamentals of Programming using C	3
2	CV	CV113ATB	Elements of Civil Engineering	3
3	EC	EC113ATC	Principles of Electronics Engineering	3
4	EE	EE113ATD	Basics of Electrical Engineering	3
5	ME	ME113ATE	Fundamentals of Mechanical Engineering	3

Total strength of C Cycle: 841 + 768 = 1609

NO RESTRICTIONS FOR THE NUMBER of students for each course

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Programming Language Courses (PLC)

Sl. No.	BoS	Course Code	PROGRAMMING LANGUAGE COURSE	CREDITS
1	AI	AI115AIA	Introduction to Python programming	**03**
2	CS	CS115AIB	Introduction to Web programming	**03**
3	CS	CS115BIC	Basics of Java programming	**03**
4	IS	IS115AID	Introduction to C++ Programming	**03**
Total strength of C Cycle: 841; Each course can accommodate maximum of **220 STUDENTS**				

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Emerging Technology Courses

Sl.No	BoS	Course Code	EMERGING TECHNOLOGY COURSE	CREDITS
1	AI	AI114ATA	Introduction to Internet of Things	**03**
2	AS	AS114ATB	Introduction to Drone Technology	**03**
3	BT	BT114ATC	Bioinspired Engineering	**03**
4	CH	CH114ATD	Global Climate Change	**03**
5	CS	CS114ATE	Elements of Blockchain Technology	**03**

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Emerging Technology Courses (ETC)

Sl.No	BoS	Course Code	EMERGING TECHNOLOGY COURSE	CREDITS
6	CS	CS114BTF	Introduction to Cyber Security	03
7	CV	CV114ATG	Green Buildings	03
8	CV	CV114BTH	Infrastructure for Smart Cities	03
9	CM	CM114ATJ	Fundamentals of Nanoscience & Technology	03
10	EC	EC114ATK	Fundamentals of Semiconductor Devices	03

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Emerging Technology Courses (ETC)

Sl.No	BoS	Course Code	EMERGING TECHNOLOGY COURSE	CREDITS
11	EC	EC114BTM	Introduction to Embedded Systems	03
12	EE	EE114ATN	Renewable Energy Sources	03
13	EI	EI114ATO	Fundamentals of Sensor Technology	03
14	IM	IM114ATP	Human factors in Engineering	03
15	IS	IS114ATQ	Digital Humanities	03
16	ME	ME114ATR	Smart materials and Systems	03
17	ME	ME114BTS	Elements of Industry 4.0	03

Total strength of P Cycle: 768
Number of students are **not restricted** for the courses

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Selection of Engineering Science Course for Chemistry Cycle students

Engineering Science Course in I Sem	
Sl.No.	ESC Course Title
1	Introduction to Civil Engineering
2	Introduction to Electrical Engineering
3	Introduction to Electronics Engineering
4	Introduction to Mechanical Engineering ✓
✗ 5	~~Introduction to C Programming~~

Engineering Science Course in II Sem	
Sl.No.	ESC Course Title
1	Introduction to Civil Engineering
2	Introduction to Electrical Engineering
3	Introduction to Electronics Engineering ✓
✗ 4	~~Introduction to Mechanical Engineering~~
✗ 5	~~Introduction to C Programming~~

FIRST SEMESTER		
Chemistry Cycle		
1	CS	344
2	IS	164
3	AI	144
4	CD	63
5	CY	63
6	BT	63
Total		841

SECOND SEMESTER		
Physics Cycle		
1	CS	344
2	IS	164
3	AI	144
4	CD	63
5	CY	63
6	BT	63
Total		841

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Selection of Engineering Science Course by Physics Cycle students (Electronics Cluster)

Engineering Science Course in I Semester	
Sl.No.	ESC Course Title
1	Introduction to Civil Engineering
2	Introduction to Electrical Engineering
~~3~~	~~Introduction to Electronics Engineering~~
4	Introduction to Mechanical Engineering
5	Introduction to C Programming

Engineering Science Course II Semester	
Sl.No.	ESC Course Title
1	Introduction to Civil Engineering
2	Introduction to Electrical Engineering
~~3~~	~~Introduction to Electronics Engineering~~
4	Introduction to Mechanical Engineering
~~5~~	~~Introduction to C Programming~~

FIRST SEMESTER		
Physics Cycle		
1	ME	128
2	IM	63
3	AS	64
4	CH	42
5	EC	190
6	EE	65
7	ET	63
8	CV	66
Total		745

SECOND SEMESTER		
Chemistry Cycle		
1	ME	128
2	IM	63
3	AS	64
4	CH	42
5	EC	190
6	EE	65
7	ET	63
8	CV	66
Total		745

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Selection of Engineering Science Course by Physics Cycle students (ME Cluster)

Engineering Science Course in I Semester	
Sl.No.	ESC Course Title
1	Introduction to Civil Engineering
2	Introduction to Electrical Engineering
3	~~Introduction to Electronics Engineering~~
4	~~Introduction to Mechanical Engineering~~
5	Introduction to C Programming

Engineering Science Course II Semester	
Sl.No.	ESC Course Title
1	Introduction to Civil Engineering
2	Introduction to Electrical Engineering
3	~~Introduction to Electronics Engineering~~
4	~~Introduction to Mechanical Engineering~~
5	~~Introduction to C Programming~~

FIRST SEMESTER		
Physics Cycle		
1	ME	144
2	IM	63
3	AS	64
4	CH	42
5	EC	253
6	EE	64
7	ET	63
8	CV	75
Total		768

SECOND SEMESTER		
Physics Cycle		
1	ME	144
2	IM	63
3	AS	64
4	CH	42
5	EC	253
6	EE	64
7	ET	63
8	CV	75
Total		768

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Selection of Engineering Science Course by Physics Cycle students (EE students)

Engineering Science Course in I Semester	
Sl.No.	ESC Course Title
1	Introduction to Civil Engineering
2	~~Introduction to Electrical Engineering~~
3	Introduction to Electronics Engineering
4	Introduction to Mechanical Engineering
5	Introduction to C Programming

Engineering Science Course II Semester	
Sl.No.	ESC Course Title
1	Introduction to Civil Engineering
2	~~Introduction to Electrical Engineering~~
3	Introduction to Electronics Engineering
4	Introduction to Mechanical Engineering
5	~~Introduction to C Programming~~

FIRST SEMESTER		
Physics Cycle		
1	ME	144
2	IM	63
3	AS	64
4	CH	42
5	EC	253
6	EE	64
7	ET	63
8	CV	75
Total		768

SECOND SEMESTER		
Physics Cycle		
1	ME	144
2	IM	63
3	AS	64
4	CH	42
5	EC	253
6	EE	64
7	ET	63
8	CV	75
Total		768

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Selection of Engineering Science Course by Physics Cycle students (CV students)

Engineering Science Course in I Semester	
Sl.No.	ESC Course Title
1	~~Introduction to Civil Engineering~~
2	Introduction to Electrical Engineering
3	Introduction to Electronics Engineering
4	Introduction to Mechanical Engineering
5	Introduction to C Programming

Engineering Science Course II Semester	
Sl.No.	ESC Course Title
1	~~Introduction to Civil Engineering~~
2	Introduction to Electrical Engineering
3	Introduction to Electronics Engineering
4	Introduction to Mechanical Engineering
5	~~Introduction to C Programming~~

FIRST SEMESTER		
Physics Cycle		
1	ME	144
2	IM	63
3	AS	64
4	CH	42
5	EC	253
6	EE	64
7	ET	63
8	CV	75
Total		768

SECOND SEMESTER		
Physics Cycle		
1	ME	144
2	IM	63
3	AS	64
4	CH	42
5	EC	253
6	EE	64
7	ET	63
8	CV	75
Total		768

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Rubrics for Continuous Internal Evaluation & Semester End Evaluation

Go, change the world

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2022 SCHEME: CIE & SEE WEIGHTAGE & MIN & MAX CREDITS IN A SEMESTER

1. Assessment & Testing is done in two Components: **CIE & SEE**
2. CIE and SEE will have **EQUAL WEIGHTAGE (50:50)**
3. Student's performance in a course is judged by considering the performance in both CIE and SEE.
4. An average course load of 22 credits per semester with its **minimum and maximum limits being fixed at 16 and 28 credits** respectively will be followed as per the recommendation of BoS and Academic Council.

Categories of Courses

1. *Integrated Courses for 100 Marks with lab;*
2. *Courses for 100 Marks & without Lab ;*
3. *Courses for 50 Marks & without Lab ;*
4. *Lab only courses;*

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SEE for Theory & Lab Courses in 2022 scheme (First year B.E.)

AS PER NEW GUIDELINES, NO SEE EXAMS for LABS;

Sl. No.	Category of the Course	New VTU Guideline for LAB	SEE Theory	SEE Lab
1.	**Integrated Course with Lab** **(3 & 4 Credit Courses)**	**NO SEE Exam for the Lab Component**	One component of Lab will be given in SEE Theory Exam	NO SEE LAB EXAM
2.	**Course with 100 Marks** (Without Lab) **(3 & 4 Credit Courses)**	**NO LAB COMPONENT**	**SEE TO BE CONDUCTED**	NO LAB COMPONENT
3.	**Course with 50 Marks** (Without Lab) **(1 Credit Courses)**	**NO LAB COMPONENT**	**SEE TO BE CONDUCTED in Online Mode**	NO LAB COMPONENT
4.	**Lab only Course** **(1 Credit Courses)**	**SEE TO BE CONDUCTED**	**NO SEE THEORY EXAM**	**SEE TO BE CONDUCTED**

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Rubric for CIE & SEE Question Paper pattern
Integrated Theory courses with Lab (3 & 4 Credits)

#	COMPONENTS	MARKS
1.	**QUIZZES:** Quizzes will be conducted in online/offline mode. **TWO QUIZZES** will be conducted & **Each Quiz will be evaluated for 10 Marks.** The **AVERAGE OF TWO QUIZZES** will be the **Final Quiz marks.**	10
2.	**TESTS:** Students will be evaluated in test, descriptive questions with different complexity levels (Revised Bloom's Taxonomy Levels: Remembering, Understanding, Applying, Analyzing, Evaluating, and Creating). **TWO tests will be conducted**. Each test will be evaluated for **50 Marks,** adding upto 100 Marks. **Final test marks will be reduced to 30 Marks.**	30
3.	**EXPERIENTIAL LEARNING:** Combined Project	30
4.	**LAB:** Conduction of laboratory exercises, lab report & observation & analysis **(30 Marks)**, lab test **(10 Marks)** & Innovative Experiment/Concept Design & Implementation **(10 Marks)** adding up to 50 Marks. **The final marks will be reduced to 30 Marks.**	30
	MAXIMUM MARKS FOR THE CIE THRORY	100

CIE & SEE in 2022 Scheme

Rubric for CIE & SEE Question Paper pattern
1. Integrated Theory courses with Lab (3 & 4 Credits)

RUBRIC FOR CIE			RUBRIC FOR SEE		
Sl.No.	**Content**	**Marks**	**Q.No.**	**Contents**	**Marks**
1	Quizzes	10	Part - A		
2	Tests	30	1	Objective type/MCQ questions covering the entire syllabus	10
3	Experiential Learning	30	Part - B		
4	Lab	30	Questions are to be framed with maximum of **TWO** sub-divisions only		
Total		100 Marks			
			2	Unit 1 : (Compulsory)	14
			3 & 4	Unit 2 : Question 3 or 4	14
			5 & 6	Unit 3 : Question 5 or 6	14
			7 & 8	Unit 4 : Question 7 or 8	14
			9 & 10	Unit 5: Question 9 or 10	14
			11	Lab Component (Compulsory)	20
			Total :		100

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Rubric for CIE & SEE Question Paper pattern
Theory courses without Lab (100 Marks)

CIE ASSESSMENT AND EVALUATION PATTERN. (THE WEIGHTAGE FOR CIE & SEE IS 50%)		
#	**COMPONENTS**	**MARKS**
1.	**QUIZZES:** Quizzes will be conducted in online/offline mode. **TWO QUIZZES** will be conducted & **Each Quiz will be evaluated for 10 Marks. THE SUM OF TWO QUIZZES** will be the **Final Quiz marks.**	**20**
2.	**TESTS:** Students will be evaluated in test, descriptive questions with different complexity levels (Revised Bloom's Taxonomy Levels: Remembering, Understanding, Applying, Analyzing, Evaluating, and Creating). **TWO tests will be conducted**. Each test will be evaluated for **50 Marks,** adding upto 100 Marks. **Final test marks will be reduced to 40 Marks.**	**40**
3.	**EXPERIENTIAL LEARNING:** Group Project	**40**
	MAXIMUM MARKS FOR THE CIE THEORY	**100**

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CIE & SEE in 2022 Scheme

Rubric for CIE & SEE Question Paper pattern
Theory courses without Lab (100 Marks)

RUBRIC FOR CIE THEORY			RUBRIC FOR SEE THEORY		
Sl.No.	**Content**	**Marks**	**Q.No.**	**Contents**	**Marks**
1	Quizzes	20	Part - A		
2	Tests	40	1	Objective type/MCQ questions covering entire syllabus	20
3	Experiential Learning	40	Part - B		
			(Questions to be framed with maximum 3 subdivisions)		
			2	Unit 1 : (Compulsory)	16
			3 & 4	Unit 2 : Question 3 or 4	16
			5 & 6	Unit 3 : Question 5 or 6	16
			7 & 8	Unit 4 : Question 7 or 8	16
			9 & 10	Unit 5: Question 9 or 10	16
Total		**100**	**Total :**		**100**

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Rubric for CIE Theory courses with 50 marks

CIE ASSESSMENT AND EVALUATION PATTERN. (THE WEIGHTAGE FOR CIE & SEE IS 50%)		
#	**COMPONENTS**	**MARKS**
1.	**QUIZZES:** Quizzes will be conducted in online/offline mode. **TWO QUIZZES** will be conducted & **Each Quiz will be evaluated for 10 Marks.** The **AVERAGE OF TWO QUIZZES** will be the **Final Quiz marks.**	**10**
2.	**TESTS:** Students will be evaluated in test, descriptive questions with different complexity levels (Revised Bloom's Taxonomy Levels: Remembering, Understanding, Applying, Analyzing, Evaluating, and Creating). **TWO tests will be conducted**. Each test will be evaluated for **50 Marks,** adding upto 100 Marks. **Final test marks will be reduced to 20 Marks.**	**20**
3.	**EXPERIENTIAL LEARNING:** Students will be evaluated for their creativity and practical implementation of the problem. Case study based teaching learning **(10)**, Program specific requirements **(10)**, Video based seminar/presentation/demonstration **(20)** adding upto **40 marks. THE FINAL EL MARKS IS REDUCED TO 20 MARKS**	**20**
	MAXIMUM MARKS FOR THE CIE THEORY	**50**

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CIE AND SEE WILL BE DONE IN ONLINE MCQs

Rubric for CIE & SEE Question Paper pattern
Theory Courses with ONE CREDIT FOR 50 Marks

RUBRIC FOR CIE			RUBRIC FOR SEE THEORY		
SL.NO	CONTENT	MARKS	Q. No.	CONTENTS	MARKS
1	Quiz	10	SEE WILL BE DONE IN ONLINE MCQs		
2	Test	20			
3	Experiential Learning	20			
Total :		50			
			Total :		50

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Lab only courses: CAEG, IDEA, Yoga

Rubric for CIE & SEE pattern
ONLY LAB COURSES WITH 50 MARKS

Rubric for LAB CIE			Rubric for LAB SEE		
Sl.No.	**Content**	**Marks**	**Sl. No.**	**Content**	**Marks**
1	1. Write Up, Setup, Conduction 2. Results, Analysis & Discussions	20	1	1. Write Up, Setup, Conduction 2. Results, Analysis & Discussions	40
2	Lab Internal	10	2	Viva	10
3	Innovative Experiment/Concept Design & Implementation	20	***	**********	***
Total		**50**	**Total :**		**50**

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Lab only course: Communicative English I & II

Rubric for CIE & SEE pattern

ONLY LAB COURSES WITH 50 MARKS

Rubric for LAB CIE			Rubric for LAB SEE		
Sl.No.	**Content**	**Marks**	**Sl. No.**	**Content**	**Marks**
1	Online Platform	20	1	Online Exam with any platform	40
2	Lab Internal	10	2	Viva	10
3	Experiential Learning	20	***	**********	***
Total		**50**	**Total :**		**50**

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Orientation Session for the selection of courses

SL. NO.	CATEGORY OF THE COURSE	DATE	TIME
1.	Engineering Science Courses (for both Physics & Chemistry cycles)	25 Sept 2024	7.30 PM
2.	Programming Language Courses (for Chemistry Cycle Students)	26 Sept 2024	7.30 PM
3.	Emerging Technology Courses (for Physics Cycle Students)	27 Sept 2024	7.30 PM
Theory & Lab Classes will commence from 30th Sept 2024			

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Conditions for the Eligibility

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CIE Eligibility

RUBRIC FOR CIE Integrated Theory courses with Lab				
Sl. No.	Content	Marks	Minimum % to Clear NSSR	Minimum Marks to Clear NSSR
1.	Quiz	10	40% of 70	28 Marks
2.	Test	30		
3.	Experiential Learning	30		
4.	Lab	30	40% of 30	12 Marks
Total		100	40%	Greater than or Equal to 40 Marks

RUBRIC FOR CIE Theory courses without Lab				
Sl. No.	Content	Marks	Minimum % to Clear NSSR	Minimum Marks to Clear NSSR
1.	Quiz	20	40% of 100	40 Marks
2.	Test	40		
3.	Experiential Learning	40		
Total		100	40%	Greater than or Equal to 40 Marks

SEE Theory Min: 35%
CIE & SEE Min: 40% (Aggregate)

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CIE Eligibility

RUBRIC FOR CIE Only Theory Courses with 50 Marks				
Sl. No.	Content	Marks	Minimum % to Clear NSSR	Minimum Marks to Clear NSSR
1.	Quiz	10	40% of 50	20 Marks
2.	Test	20		
3.	Experiential Learning	20		
Total		50	40%	Greater than or Equal to 20 Marks

RUBRIC FOR CIE Only Lab Courses with 50 Marks				
Sl. No.	Content	Marks	Minimum % to Clear NSSR	Minimum Marks to Clear NSSR
1.	i. Write Up, Setup, Conduction ii. Results, Analysis & Discussions	20	40% of 50	20 Marks
2.	Lab Internal	10		
3.	Innovative Experiment/Concept Design & Implementation	20		
Total		50	40%	Greater than or Equal to 20 Marks

SEE Theory Min: 35%

CIE & SEE Min: 40% (Aggregate)

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Rejections of Results

Rejection of Results

- Students who desire to reject the SEE results of a semester shall reject the total performance (irrespective of the earned course grades) in all the courses of the semester either rejecting or retaining the CIE marks. However, the rejection of the performance of the VIII sem project shall not be permitted.
- This rejection is permitted (with or without CIE) only once during the entire program of study.

Multiple Entry & Multiple Exit Options

1. **Certificate in respective program in Engineering:** Student who exit at the end of II year of the program shall be awarded a certificate provided, if the candidate successfully passes.
   A. At least 50% of the credit requirement (80 Credits) & 25% for lateral entry students (40).
   B. At least 50% of the professional core courses
   C. Minimum of CGPA of 5.00.

Multiple Entry & Multiple Exit Options

1. B.Sc in respective program in Engineering: Student who exit at the end of III year of the program shall be awarded a B.Sc certificate provided, if the candidate successfully passes.
    A. At least 75% of the credit requirement (120 Credits) & 80 credits for lateral entry students.
    B. At least 100% of the professional core courses
    C. Minimum of CGPA of 5.00.
2. Student to earn a certificate/B.Sc in one Institution & complete the degree program in another Institution is permitted.

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Vertical Progression, Make up exams guideline and change of Courses

REFER Guidelines from the Website

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Time for the Discussions !!!

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