Regent Education and Research Foundation Group of Institutions

AY – 2023-24

CIVIL ENGINEERING DEPARTMENT

Semester – 3

Academic Year	**2023 – 24 (ODD)**
Department	**CIVIL ENGINEERING**
Year / Semester	**2nd / 3rd**
Name of Faculty	**Mr. Chiranjit Roy**
Subject Name	**Biology for engineers**
Subject Code	**CE(BS)301**
Target Marks (%)	**50%**
No. of students achieved target marks	**45**
Total no. of students attempted	**103**
Percentage of students above target marks	**43.69%**

Attainment Level (Theory)	**Percentage**
Level 1	**17.89%**
Level 2	**38.22%**
Level 3	**43.69%**
Attainment of CO	
CO1	**3**
CO2	**3**
CO3	**3**
CO4	**3**
CO5	**3**

Course name	**CO**	**Description**
Biology for engineers	1	Describe with examples the biological observations lead to major discoveries.
	2	Explain the classification of kingdom of life, building blocks of life. Different techniques of bio physics used to study biological phenomena.
	3	Identify DNA as a genetic material in the molecular basis of information transfer.
	4	Analyze biological processes at the reductionist level.
	5	Identify microorganisms.

Direct PO attainment

Course Outcome Mapping to Program Outcome												
CO	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO 12**
CE(BS)301.1	2	-	-	-	-	-	1	-	-	-	-	3
CE(BS)301.2	-	-	-	-	-	-	2	-	-	-	-	2
CE(BS)301.3	2	-	-	-	-	-	1	-	-	-		3
CE(BS)301.4	-	-	-	-	-	-	1	-	-	-	-	1
CE(BS)301.5	1	-	-	-	-	-	3	-	-	-	-	3
Attainment	1.0	0	0	0	0	0	1.6	0	0	0	0	2.4

1: Slight (Low) 2: Moderate (Medium) 3:Substantial (High)

Academic Year	2023 – 24 (ODD)
Department	Civil Engineering
Year / Semester	2nd / 3rd
Name of Faculty	Mr . SK SAFIN IMRAN LASKAR
Subject Name	Engineering Mechanics
Subject Code	CE(ES)301
Target Marks (%)	50%
No. of students achieved target marks	18
Total no. of students attempted	103
Percentage of students above target marks	17.48%

Attainment Level (Theory)	Percentage
Level 1	26.21%
Level 2	56.31%
Level 3	17.48%
Attainment of CO	
CO1	2
CO2	2
CO3	2
CO4	2
CO5	2

Course name	CO	Description
Engineering Mechanics	CE(ES)301.1	Use scalar and vector analytical techniques for analysing forces in statically determinate structures.
	CE(ES)301.2	Apply fundamental concepts of kinematics and kinetics of particles to the analysis of simple, practical problems.
	CE(ES)301.3	Apply basic knowledge of maths and physics to solve real-world problems.
	CE(ES)301.4	Understand measurement error, and propagation of error in processed data.
	CE(ES)301.5	Understand basic dynamics concepts – force, momentum, work and energy.

Direct PO attainment

Course Outcome Mapping to Program Outcome												
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CE(ES)301.1	3	3	-	-	-	1	-	-	3	-	-	2
CE(ES)301.2	-	-	2	-	3	2	-3	-	-	-	-	3
CE(ES)301.3	2	3	2	-	2	-	2	--	2	--	--	3
CE(ES)301.4	3	1	3	3	-	2	-	-	3	-	-	3
CE(ES)301.5	1	-	-	-	-	-	2	-	1	-	-	3
Attainment	1.8	1.4	1.4	0.6	1	1	0.8	0	1.8	0	0	2.7

1: Slight (Low) 2: Moderate (Medium) 3:Substantial (High)

Academic Year	**2023 – 24 (ODD)**
Department	**Civil Engineering**
Year / Semester	**2nd / 3rd**
Name of Faculty	**Mr. Arindam Bar**
Subject Name	**Energy Science and Engineering**
Subject Code	**CE(ES)302**
Target Marks (%)	**50%**
No. of students achieved target marks	**66**
Total no. of students attempted	**103**
Percentage of students above target marks	**64.08%**

Attainment Level (Theory)	**Percentage**
Level 1	**9.14%**
Level 2	**26.78%**
Level 3	**64.08%**
Attainment of CO	
CO1	**3**
CO2	**3**
CO3	**3**
CO4	**3**

Course name	**CO**	**Description**
Energy Science and Engineering	CE(ES)302.1	To facilitate the student on the present status of energy scenario.
	CE(ES)302.2	To develop the knowledge on clear conceptual understanding of technical and commercial aspects of energy conservation and energy auditing.
	CE(ES)302.3	Understand the science of solar cell.
	CE(ES)302.4	Learn principles of bio, hydro power systems, tidal, wave and ocean thermal energy conversion

Direct PO attainment

Course Outcome Mapping to Program Outcome												
CO	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**
CE(ES)302.1	2	3	1	-	-	1	3	-	-	-	-	2
CE(ES)302.2	3	3	3	2	-	2	-	3	-	2	1	-
CE(ES)302.3	3	-	-	2	3	-	-	1	-	-	2	3
CE(ES)302.4	-	2	2		1	2	2	-	-	3	-	3
Attainment	2	2	1	1.67	1	1.25	1.25	1	0	1.25	0.75	2

1: Slight (Low) 2: Moderate (Medium) 3:Substantial (High)

Academic Year	**2023 – 24 (EVEN)**
Department	**Mechanical Engineering**
Year / Semester	**4th/8th**
Name of Faculty	**MR. SABYASACHI MUKHERJEE**
Subject Name	**Industrial Pollution and Control**
Subject Code	**OE-ME802D**
Target Marks (%)	**50%**
No. of students achieved target marks	**30**
Total no. of students attempted	**56**
Percentage of students above target marks	**53.57**
Attainment Level (Theory)	**Percentage**
Level 1	**14.28**
Level 2	**32.14**
Level 3	**53.57**
Attainment of CO	
CO1	3
CO2	3
CO3	3
CO4	3

Course name	CO	Description
OE-ME802D	CO1	Know about the various types of pollution caused by the industries and their effects on the environment.
	CO2	Know specifically about the causes, processes and control techniques of air pollution.
	CO3	Know specifically about the causes, processes and control techniques of water pollution.
	CO4	Know specifically about the causes, processes and control techniques of noise pollution.

Direct PO attainment

Course Outcome Mapping to Program Outcome												
CO	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**
CO1	1	3	2	-	-	3	3	3	-	-	-	2
CO2	1	2	1	-	-	3	3	3	-	-	-	2
CO3	1	2	1	-	-	3	3	3	-	-	-	2
CO4	1	2	1	-	-	3	3	3	-	-	-	2
Attainment	1	2.25	1.25	-	-	3	3	3	-	-	-	2

Academic Year	**2023 – 24 (EVEN)**
Department	**Mechanical Engineering**
Year / Semester	**4th/8th**
Name of Faculty	**All faculty**
Subject Name	**Project IV**
Subject Code	**PW-ME881**
Target Marks (%)	**50%**
No. of students achieved target marks	**56**
Total no. of students attempted	**56**
Percentage of students above target marks	**100**
Attainment Level (Sessional)	**Percentage**
Level 1	**0**
Level 2	**0**
Level 3	**100**
Attainment of CO	
CO1	3
CO2	3
CO3	3
CO4	3

Course name	CO	Description
PW-ME881	CO1	Learn project management skills.
	CO2	Apply theoretical knowledgeto make innovative machine or product.
	CO3	Identify and resolve problems through critical thinking and decision-making capabilities.
	CO4	Learn to communicate effectively and develop teamwork approach.

Direct PO attainment

Course Outcome Mapping to Program Outcome												
CO	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**
CO1	-	-	-	-	-	-	-	-	3	3	3	2
CO2	3	3	3	3	2	-	-	-	-	-	1	2
CO3	2	3	3	3	2	1	1	1	2	2	2	2
CO4	-	-	-	-	-	1	1	1	3	3	3	2
Attainment	1.25	1.5	1.5	1.5	1	0.5	0.5	0.5	2	2	2.25	2

Academic Year	**2023 – 24 (EVEN)**
Department	**Mechanical Engineering**
Year / Semester	**4th/8th**
Name of Faculty	**All faculty**
Subject Name	**Comprehensive Viva-Voce**
Subject Code	**PW-ME882**
Target Marks (%)	**50%**
No. of students achieved target marks	**56**
Total no. of students attempted	**56**
Percentage of students above target marks	**100**
Attainment Level (Sessional)	**Percentage**
Level 1	**0**
Level 2	**0**
Level 3	**100**
Attainment of CO	
CO1	3
CO2	3
CO3	3
CO4	3

Course name	CO	Description
PW-ME882	CO1	Understand area of strength and weakens in the mechanical engineering domain.
	CO2	Enhance interview skills.
	CO3	Recognize area of interest.
	CO4	Prepare themselves for competitive exams.

Direct PO attainment

Course Outcome Mapping to Program Outcome												
CO	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**
CO1	1	1	1	-	-	-	-	-	-	-	-	2
CO2	-	-	-	-	-	-	-	-	-	3	-	2
CO3	1	1	-	-	-	-	-	-	-	-	-	2
CO4	1	-	-	-	-	-	-	-	-	3	-	2
Attainment	1	1	1	-	-	-	-	-	-	3	-	2

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