**GUJARAT TECHNOLOGICAL UNIVERSITY (GTU)**

**Competency-focused Outcome-based Green Curriculum-2021 (COGC-2021)**

Semester-V

**Course Title:**

(Course Code: )

|  |  |
| --- | --- |
| **Diploma programmer in which this course is offered** | **Semester in which offered** |
|  |  |

1. **RATIONALE**
2. **COMPETENCY**
3. **COURSE OUTCOMES (COs)**

**4. TEACHING AND EXAMINATION SCHEME**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Teaching Scheme**  **(In Hours)** | | | **Total Credits**  **(L+T+P/2)** | **Examination Scheme** | | | | |
| **Theory Marks** | | **Practical Marks** | | **Total Marks** |
| **L** | **T** | **P** | **C** | **CA** | **ESE** | **CA** | **ESE** |
| 0 | 0 | 2 | 1 | 0 | 0 | 50 | 50 | 100 |

1. **SUGGESTED PRACTICAL EXERCISES: NA**
2. **MAJOR EQUIPMENT/ INSTRUMENTS REQUIRED**

| **Sr.No.** | **Equipment Name with Broad Specifications** | **PrO. No.** |
| --- | --- | --- |
| 1 |  |  |
| 2 |  |  |
| 3 |  |  |
| 4 |  |  |
| 5 |  |  |

1. **AFFECTIVE DOMAIN OUTCOMES**
2. **UNDERPINNING THEORY: NA**
3. **SUGGESTED SPECIFICATION TABLE FOR QUESTIONPAPER DESIGN: NA**
4. **SUGGESTED STUDENT ACTIVITIES**
5. **SUGGESTED SPECIAL INSTRUCTIONAL STRATEGIES (if any)**
6. **SUGGESTED PROJECT LIST**
7. **SUGGESTED LEARNING RESOURCES**
8. **SOFTWARE/LEARNING WEBSITES**
9. **PO-COMPETENCY-CO MAPPING:**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Semester V** | **Biomedical Engineering Project-I (Course Code:4350304)** | | | | | | | |
| **POs** | | | | | | | |
| **Competency**  **& Course Outcomes** |  | |  |  |  |  |  |  |
| *Competency* | **Maintain various types of A.C. machines and three -phase transformers safely.** | | | | | | | |
| Course Outcomes  CO1  Describe objectives and problem definition of the identified industry problem as project. |  |  | |  |  |  |  |  |
| CO2  Select proper solution from various possible solutions for selected problem |  |  | |  |  |  |  |  |
| CO3  Analyze the hardware and software of selected solution cohesively & effectively in team |  |  | |  |  |  |  |  |
| CO4  Create project report having organized documentation. |  |  | |  |  |  |  |  |
| CO5  Demonstrate the implemented project hardware and software. |  |  | |  |  |  |  |  |

*Legend: ‘****3’*** *for high, ‘****2****’ for medium,* ***‘1’*** *for low and* ***‘-’*** *for no correlation of each CO with PO.*

1. **COURSE CURRICULUM DEVELOPMENT COMMITTEE**

**GTU Resource Persons**

| **Sr. No.** | **Name and Designation** | **Institute** | **Contact No.** | **Email** |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
|  |  |  |  |  |