



Department of Electrical and Electronic Engineering

## **5 Years Strategic Development Plan (2024 – 2028)**



Green University of Bangladesh

# Introduction

Green University of Bangladesh (GUB) stands as a premier private institution of higher education in the country, renowned for producing exceptional graduates through a commitment to academic excellence and unparalleled opportunities. In its pursuit of continuous improvement, GUB has recently developed a comprehensive Academic Master Plan (AMP), strategically designed to foster the university's growth in alignment with both national and international standards. The Academic Master Plan (AMP) is based on the following five fundamental pillars of academic excellence:

- A.** Governance, Scholarly Leadership, Human Resources, and Campus Infrastructure.
- B.** Academic Programs, Teaching, Learning, and Assessment.
- C.** Research, Creativity, Innovation, and Entrepreneurship.
- D.** Collaboration, Community Engagement, and Globalization.
- E.** Green Economy, Sustainable Growth, Organizational Values, and Culture.

The Department of Electrical and Electronic Engineering (EEE) at Green University of Bangladesh (GUB) aspires to be a distinguished leader in engineering education and research, recognized both nationally and globally for its excellence. With a faculty composed of renowned scholars and experts, complemented by cutting-edge laboratories and facilities, the department is committed to nurturing innovative minds capable of addressing the most pressing technological challenges. Our vision is to create an unparalleled academic and research environment that fosters intellectual growth, drives groundbreaking discoveries, and contributes meaningfully to the advancement of society in the rapidly evolving landscape of the 21st century. Adhering to the approved Academic Master Plan (AMP) of Green University of Bangladesh, the Department of EEE has outlined a detailed strategic development plan for the next five years, focused on the following eight Strategic Targets (STs):

- ST - 1:** Growth and Expansion of the EEE Department
- ST - 2:** Research, Innovation and Entrepreneurship
- ST - 3:** Internationalization and Community Engagement
- ST - 4:** Industry Collaboration
- ST - 5:** Faculty Recruitment, Development and Retention
- ST - 6:** Ensuring Enrollment of Quality Students
- ST - 7:** Curriculum Development
- ST - 8:** Organizational Values and Culture for Sustainable Growth

A comprehensive mapping between the five pillars of academic master plans and the strategic targets are presented in Table I. This mapping defines the alignment of the departmental plannings and actions to the core values and targets of the university. This document outlines the strategic targets, specific targets, time frame, key movers, and action plans for each year to achieve the heights of the five pillars of academic excellence through the eighth strategic initiatives mentioned above in the later sections.

***Table I Mapping of Strategic Targets to Academic Pillars***

	Pillar A	Pillar B	Pillar C	Pillar D	Pillar E
ST – 1	√	√	√	√	
ST – 2			√		√
ST – 3				√	
ST – 4		√	√	√	
ST – 5	√	√			
ST – 6		√			√
ST – 7			√	√	
ST – 8					√

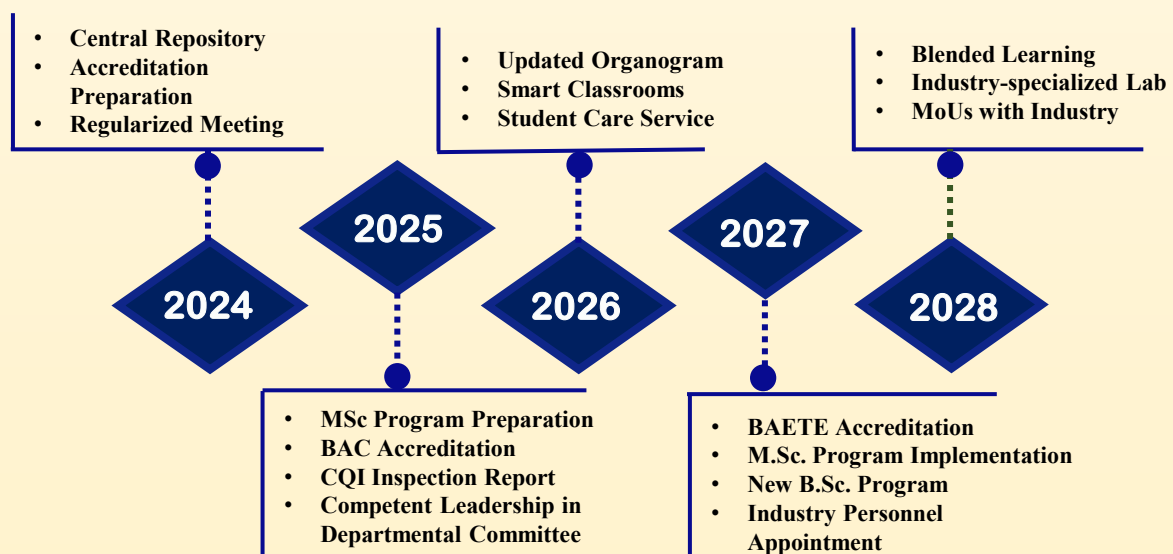
# Strategic Target 1

## Growth and Expansion of the EEE Department

The Department of Electrical and Electronic Engineering (EEE) at Green University of Bangladesh has witnessed remarkable growth and expansion since its inception. With a steadfast commitment to academic excellence, the department has consistently enhanced its infrastructure, curriculum, and faculty. This growth has been fueled by a rising demand for skilled electrical engineers and a focus on producing industry-ready graduates. As a result, the department has solidified its position as a leading center for electrical engineering education and research in the country. The ST-1 is subdivided into further sub-sections, which are outlined below:



*Figure 1: Key Needs for Strategic Target – 1*

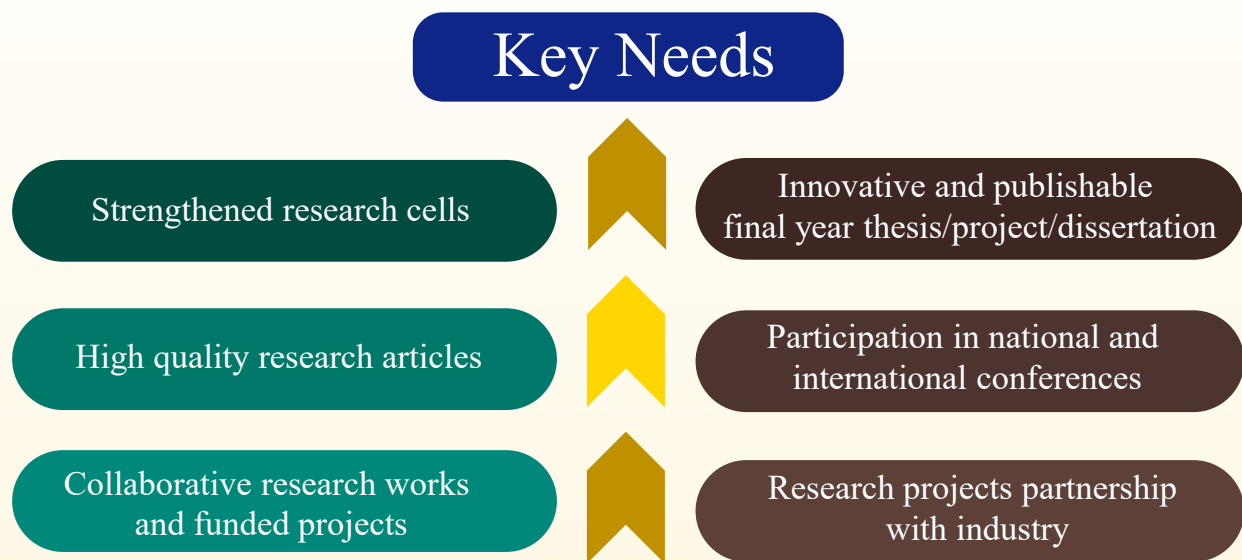


*Figure 2: Target Milestone for Strategic Target – 1*

## Strategic Target 2

### Research, Innovation and Entrepreneurship

The Department of EEE is determined to practice and promote collaborative, impactful and sustainable research within the department with national and international scholars. Additionally, the Department of EEE is determined to develop an innovative and entrepreneur mindset among the students. By bridging the gap between academia and industry, the department of EEE aims to create a dynamic ecosystem that drives technological advancements and economic growth. The ST-2 is subdivided into further sub-sections, which are outlined below:



*Figure 3: Key Needs for Strategic Target – 2*



*Figure 4: Target Milestone for Strategic Target – 2*

# Strategic Target 3

## Internationalization and Community Engagement

The Department of Electrical and Electronic Engineering (EEE) at Green University of Bangladesh is committed to fostering a global outlook among its students and faculty. Through strategic collaborations with international universities, research institutions, and industries, the department aims to enhance the academic experience, broaden student's horizons, and promote cultural exchange. By integrating international perspectives into the curriculum and encouraging student mobility programs, the EEE department strives to prepare graduates to excel in a globalized world. The ST-3 is subdivided into further sub-sections, which are outlined below:



Figure 5: Key Needs for Strategic Target – 3



Figure 6: Target Milestone for Strategic Target – 3

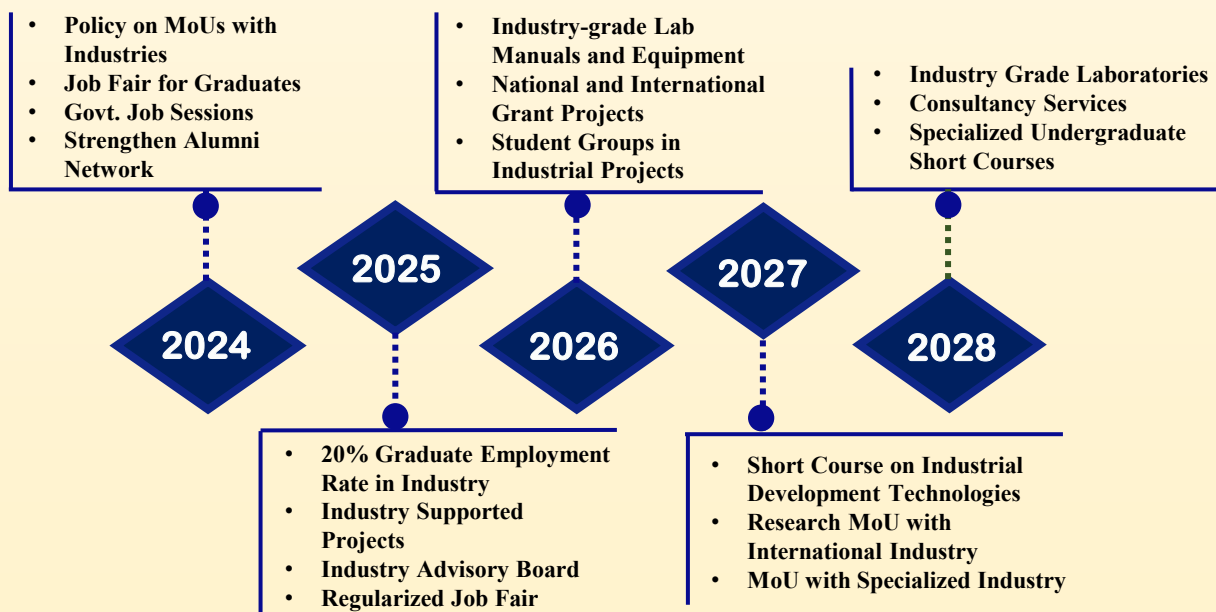
## Strategic Target 4

### Industry Collaboration

The Department of Electrical and Electronics Engineering (EEE) at Green University of Bangladesh places a strong emphasis on industry collaboration and community engagement. We believe in fostering robust partnerships with industry leaders to bridge the gap between academia and the professional world. Through internships, joint research projects, and industry expert seminars, students gain practical exposure to real world challenges. Simultaneously, the department actively participates in community outreach programs to address societal needs, promoting technological innovation for sustainable development. The ST-4 is subdivided into further sub-sections, which are outlined below:



*Figure 7: Key Needs for Strategic Target – 4*

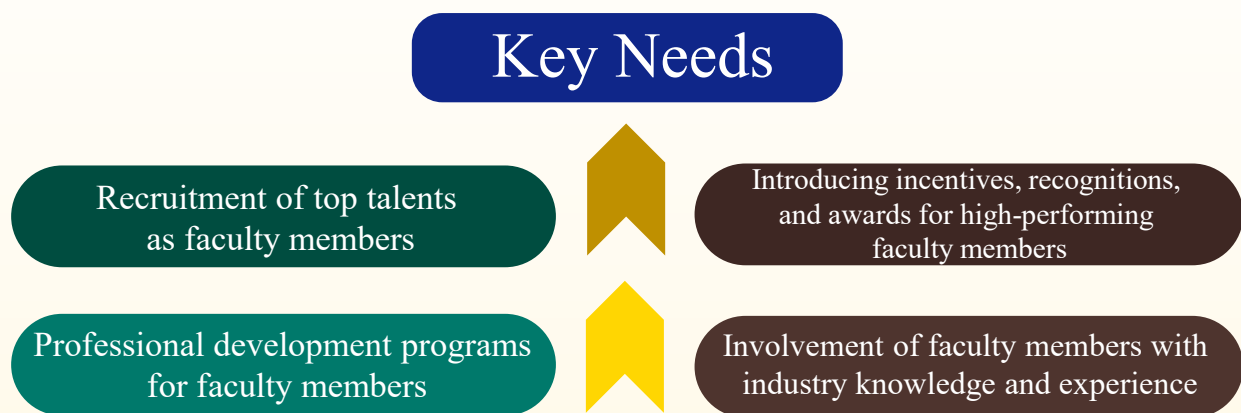


*Figure 8: Target Milestone for Strategic Target – 4*

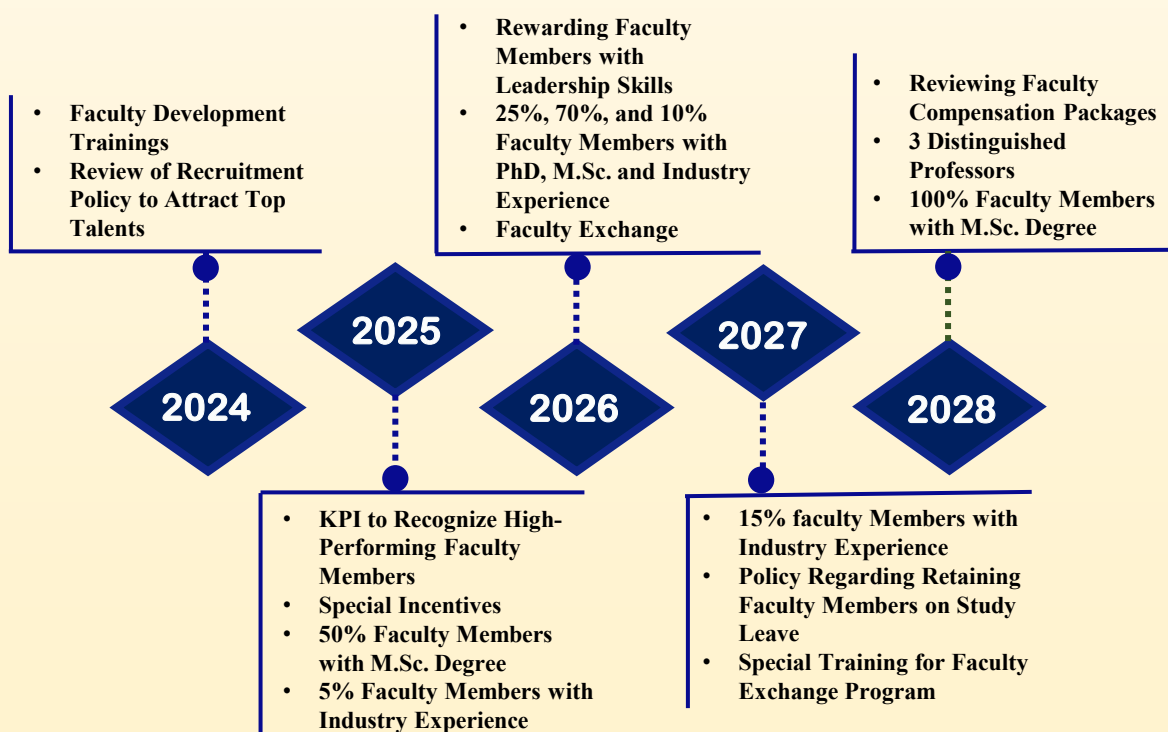
## Strategic Target 5

### Faculty Recruitment, Development and Retention

Faculty recruitment, development, and retention are pivotal to the success of the Department of Electrical and Electronics Engineering (EEE) at Green University of Bangladesh. A robust faculty is essential for delivering quality education, conducting cutting-edge research, and fostering a dynamic learning environment. By strategically attracting, nurturing, and retaining exceptional faculty members, the department aims to establish itself as a leading center of academic excellence in the field. The ST-5 is subdivided into further sub-sections, which are outlined below:



*Figure 9: Key Needs for Strategic Target – 5*



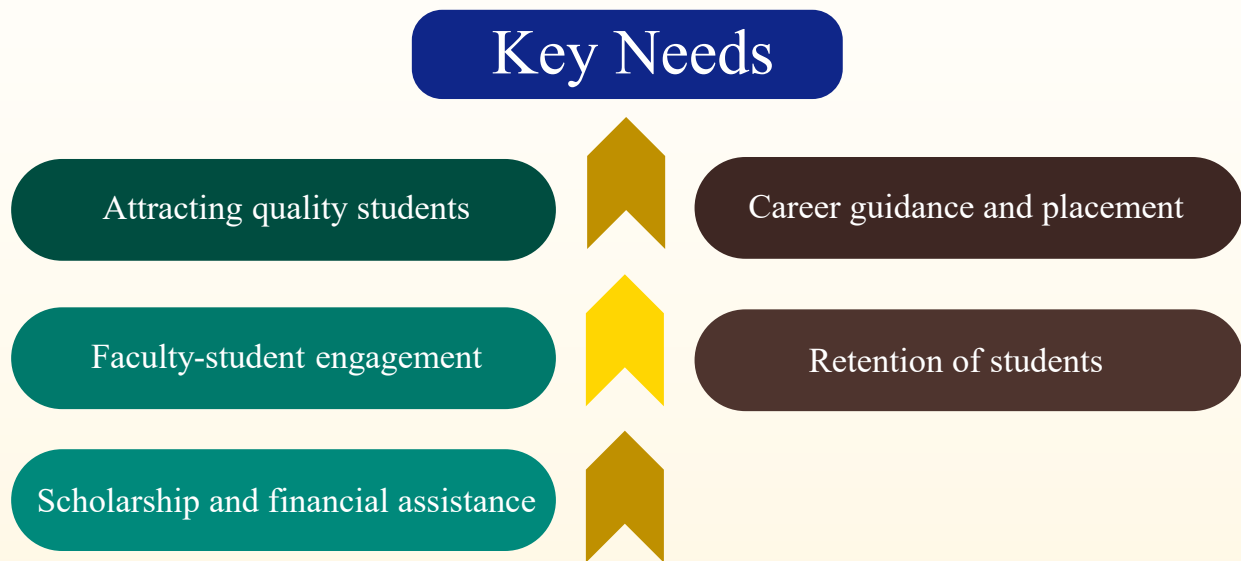
*Figure 10: Target Milestone for Strategic Target – 5*



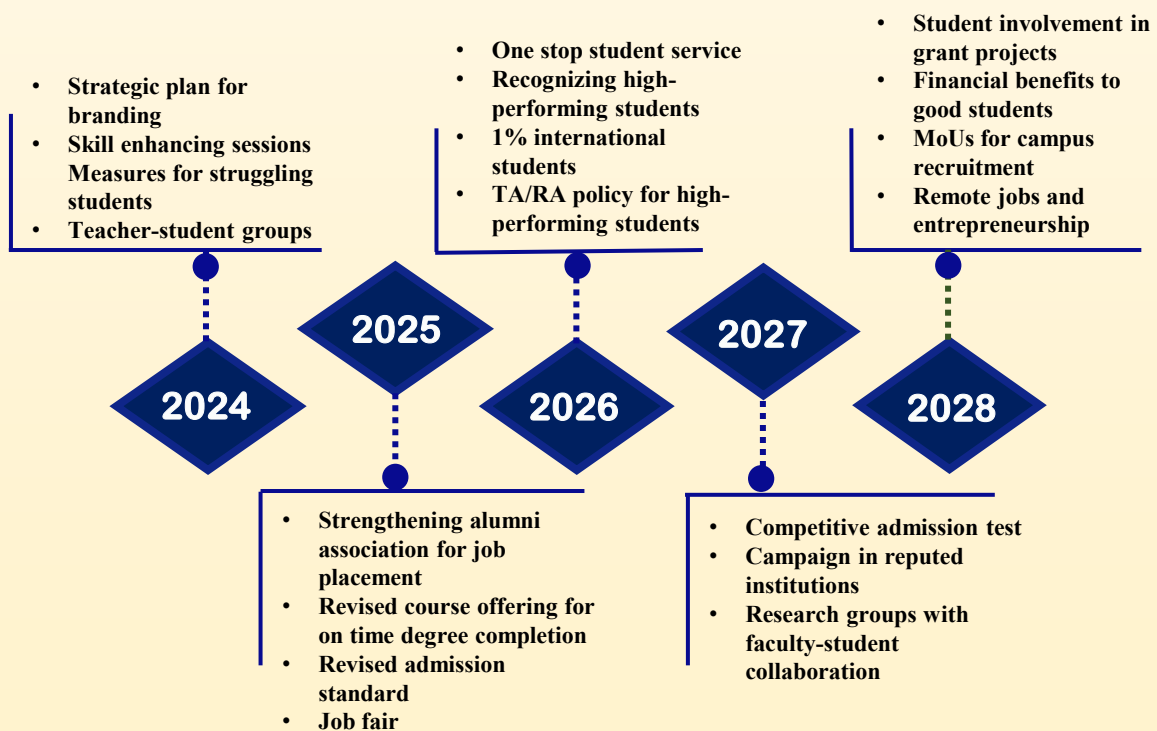
# Strategic Target 6

## Enrollment of Quality Students

The Department of Electrical and Electronic Engineering (EEE) at Green University of Bangladesh places paramount importance on attracting and nurturing exceptional students. By implementing robust admission criteria and providing a stimulating academic environment, the department aims to cultivate highly skilled engineers who can contribute significantly to the nation's technological advancement. The ST-6 is subdivided into further sub-sections, which are outlined below:



*Figure 11: Key Needs for Strategic Target – 6*



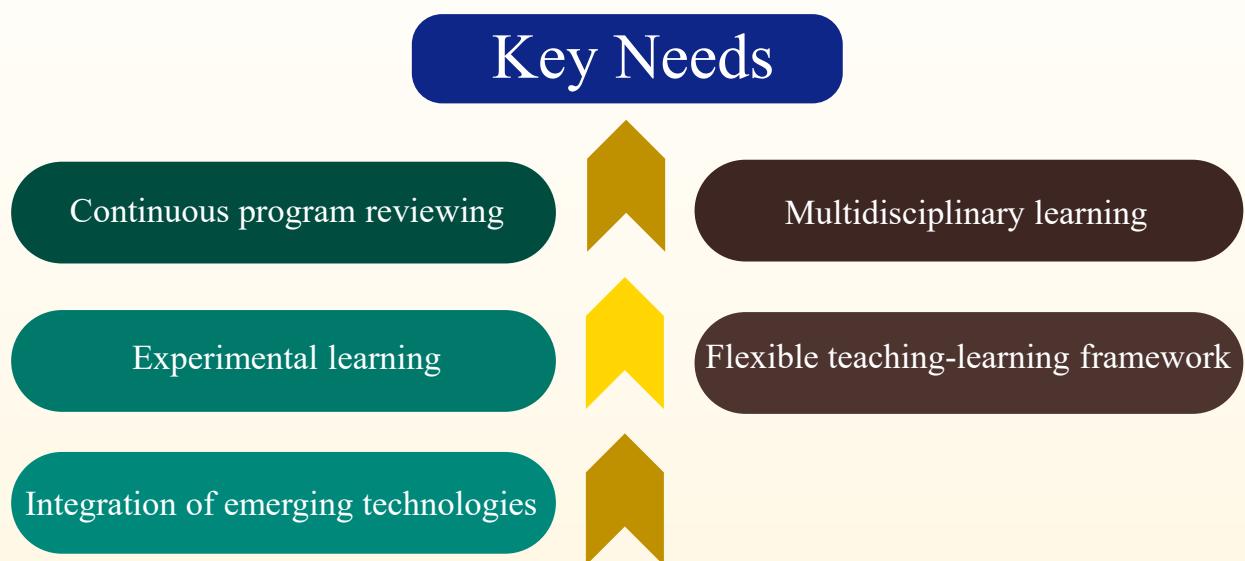
*Figure 12: Target Milestone for Strategic Target – 6*



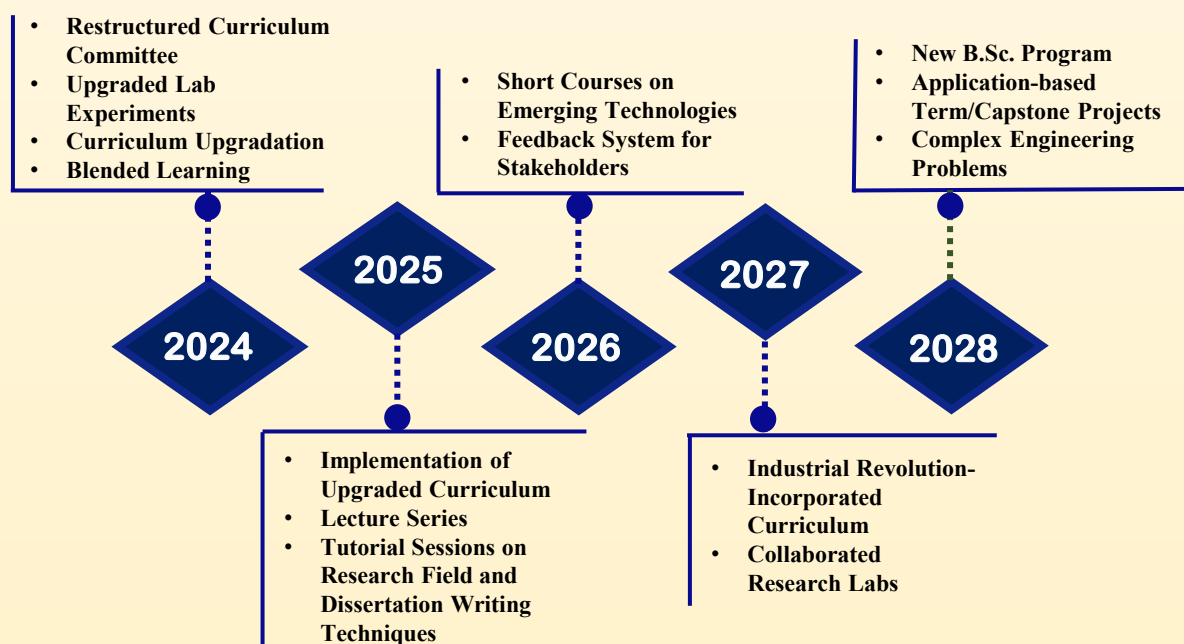
## Strategic Target 7

### Curriculum Development

The Department of Electrical and Electronic Engineering (EEE) at Green University of Bangladesh recognizes the transformative potential of industrial revolution. To align with this emerging paradigm, the department is committed to developing a curriculum that integrates human-centric, sustainable, and resilient principles. The department aims to equip students with the necessary skills and knowledge to become future-ready engineers capable of addressing global challenges and driving technological advancements. The ST-7 is subdivided into further sub sections, which are outlined below:



*Figure 13: Key Needs for Strategic Target – 7*



*Figure 14: Target Milestone for Strategic Target – 7*

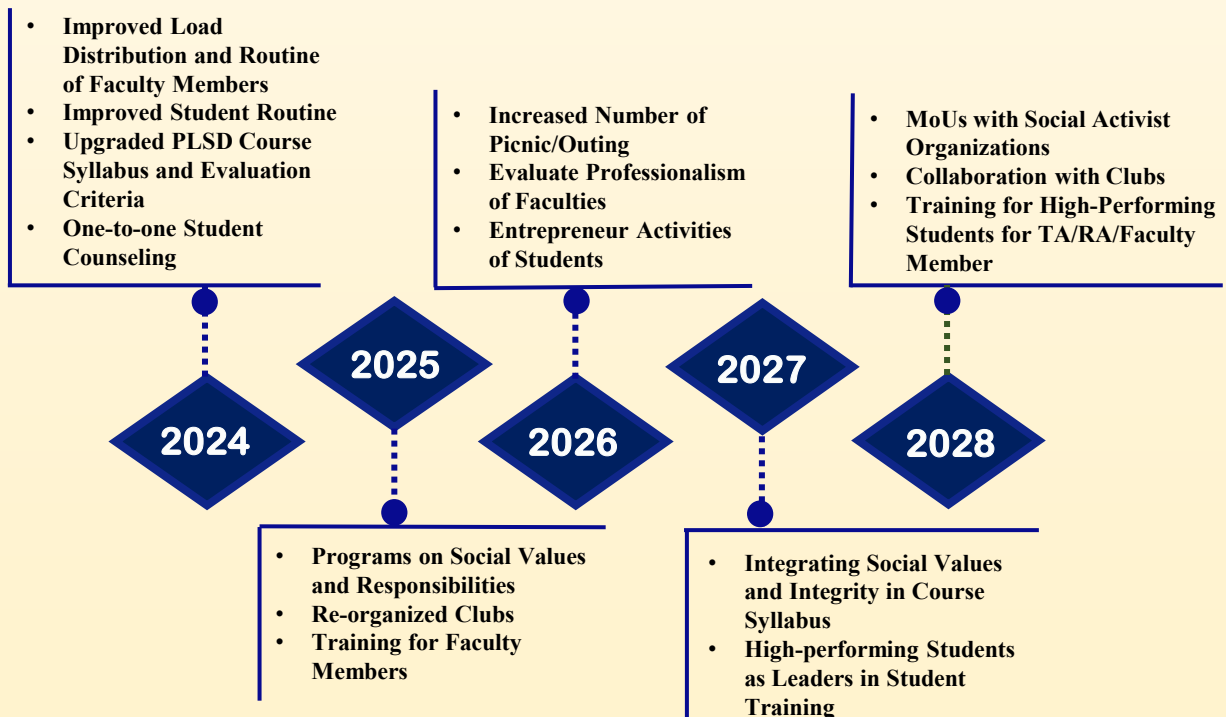
## Strategic Target 8

### Organizational Values and Culture for Sustainable Growth

Organizational values and culture are the bedrock upon which sustainable growth of the EEE department at Green University of Bangladesh is built. A shared set of principles and beliefs fosters a positive work environment, attracts and retains top talent, and drives innovation. By cultivating a culture of excellence, collaboration, and continuous improvement, the department can achieve its academic and research goals while making a significant impact on the field of electrical and electronic engineering. The ST-8 is subdivided into further sub-sections, which are outlined below:



*Figure 15: Key Needs for Strategic Target – 8*



*Figure 16: Target Milestone for Strategic Target – 8*