

# Southern Technical University - SDG 11 Benchmarking Report

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This report provides an in-depth benchmarking analysis of Southern Technical University's (STU) alignment with SDG 11: Sustainable Cities and Communities. Through comparisons at global, regional, and national levels, this report identifies areas for improvement and strategic opportunities. The document includes an action plan, key activities, key metrics, and suggested KPIs for supporting sustainable urban development and community engagement.

## 1. Benchmark Analysis

This section compares STU's performance with other institutions globally, within the Arab region, and within Iraq. Benchmarking offers insights into STU's position and areas where it can improve its SDG 11 alignment.

## 2. Descriptive Statistics Overview

The following table summarizes key descriptive statistics for SDG 11 scores at global, Arab region, and Iraq levels. These statistics provide a baseline for STU to assess its relative standing and identify targets for improvement.

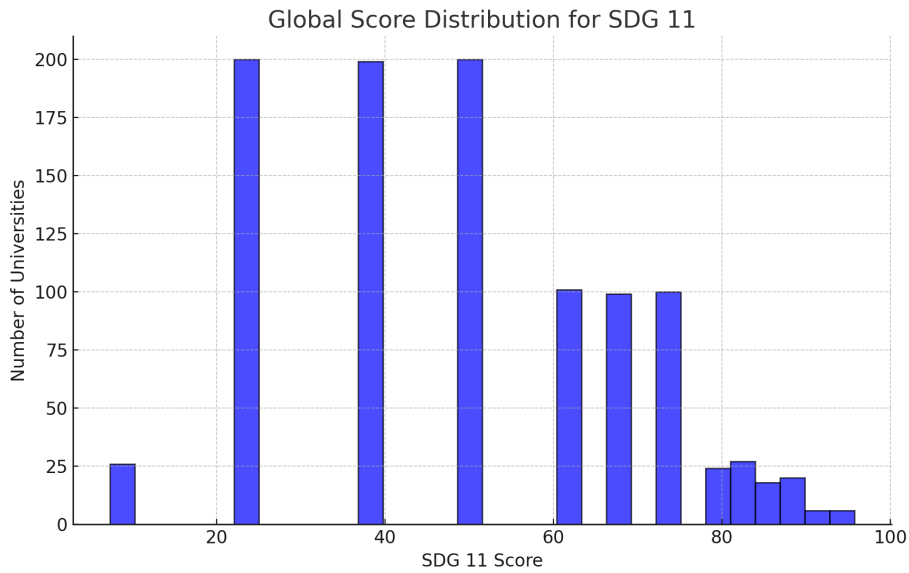
Statistic	Global	Arab Region	Iraq
Count	1026.00	121.00	32.00
Mean	50.28	37.20	30.49
Std	20.84	18.12	14.49
Min	7.40	7.40	7.40
25%	39.25	22.85	22.85
50%	50.75	39.25	22.85
75%	67.90	50.75	39.25
Max	95.70	74.90	67.90

## 3. Visualizations

The following visualizations show the distribution of SDG 11 scores at global, Arab region, and Iraq levels, illustrating STU's position.

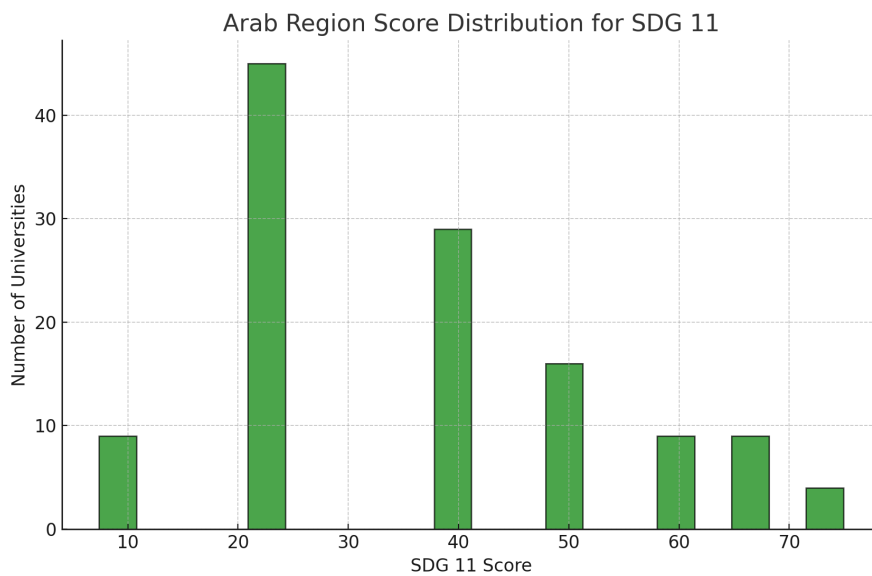
### 3.1 Global SDG 11 Score Distribution

This histogram shows the distribution of SDG 11 scores among universities worldwide.



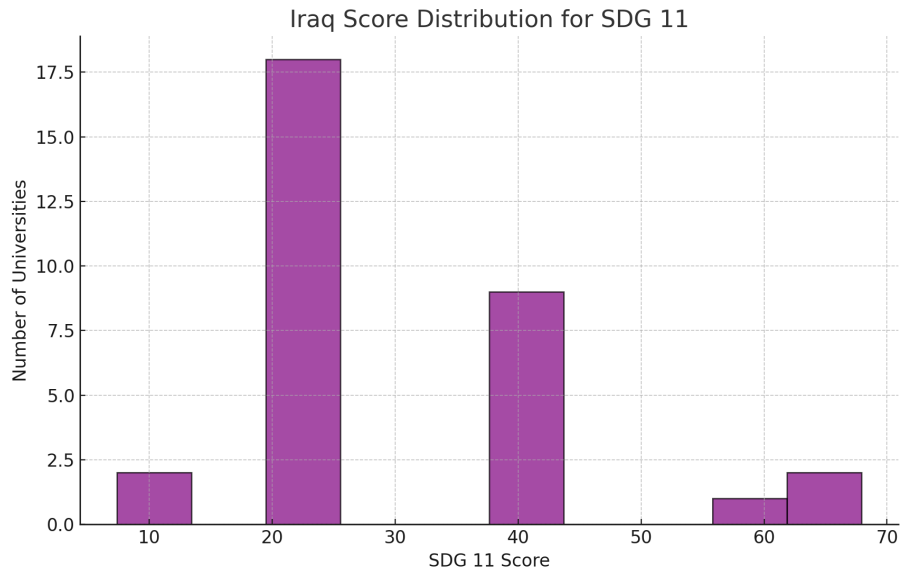
### 3.2 Arab Region SDG 11 Score Distribution

This histogram illustrates SDG 11 score distribution for universities in the Arab region.



### 3.3 Iraq SDG 11 Score Distribution

The histogram below presents the SDG 11 score distribution among universities in Iraq, providing national context for STU's position.



#### 4. Action Plan for SDG 11 Alignment

The action plan provides strategic steps STU can implement to enhance its alignment with SDG 11. The initiatives cover sustainable urban planning, community resilience, and environmental protection.

Action	Responsible Unit	Timeframe	Expected Outcome
Develop green spaces and sustainable landscaping on campus.	Facilities Management	Short-term (6 months)	Enhances campus aesthetics and environmental health.
Organize community workshops on urban sustainability practices.	Community Engagement Office	Ongoing	Promotes sustainable practices within the local community.
Partner with local authorities for urban planning initiatives.	Office of the President	Medium-term (1-2 years)	Contributes to resilient and inclusive urban development.
Implement waste reduction and recycling programs on campus.	Sustainability Office	Ongoing	Reduces waste and fosters a culture of environmental responsibility.

## 5. Key Activities for SDG 11 Alignment

The following key activities outline specific steps that STU should undertake to support SDG 11. These activities focus on promoting sustainable community practices, urban resilience, and environmental stewardship.

Activity	Objective	Expected Impact
Conduct training on sustainable urban development for students and staff.	To raise awareness on the importance of sustainable urban practices.	Promotes knowledge of sustainable practices within the university community.
Establish a campus garden for community involvement and biodiversity.	To support biodiversity and provide green spaces for relaxation and education.	Enhances campus biodiversity and engages the community in sustainable practices.
Organize community events focused on local sustainability issues.	To engage the broader community in discussions on sustainable living.	Fosters community awareness and collaboration on environmental issues.

## 6. Suggested KPIs for Monitoring SDG 11

The following Key Performance Indicators (KPIs) provide measurable targets to track STU's progress toward sustainable cities and communities. These KPIs support effective tracking of SDG 11 alignment and community resilience goals.

Metric	KPI	Description
Green space per capita on campus.	Square meters of green space per person on campus	Measures STU's commitment to providing sustainable green areas.
Participation rate in community sustainability events.	Percentage of students and staff involved in local events	Monitors engagement in sustainability and community building efforts.
Campus recycling rate.	Percentage of waste recycled annually	Tracks STU's waste reduction and recycling efforts.
Sustainable infrastructure projects completed.	Number of projects improving infrastructure sustainability	Assesses commitment to enhancing campus infrastructure resilience.
Student and staff training on sustainable urban practices.	Percentage of campus community completing sustainability training	Promotes knowledge and awareness of urban sustainability practices.