Dr.M.G.R.
EDUCATIONAL AND RESEARCH INSTITUTE
Deemed to be University

★ with Graded Autonomy Status ★

(An ISO 21001 : 2018 Certified Institution)

ACCREDITED WITH GRADE A+ NAAC

2025-26

SDG 11
SUSTAINABLE CITIES AND COMMUNITIES



Dr.M.G.R.
EDUCATIONAL AND RESEARCH INSTITUTE
Deemed to be University
with Graded Autonomy Status
(An ISO 21001 : 2018 Certified Institution)

SDG 11

SUSTAINABLE CITIES AND COMMUNITIES



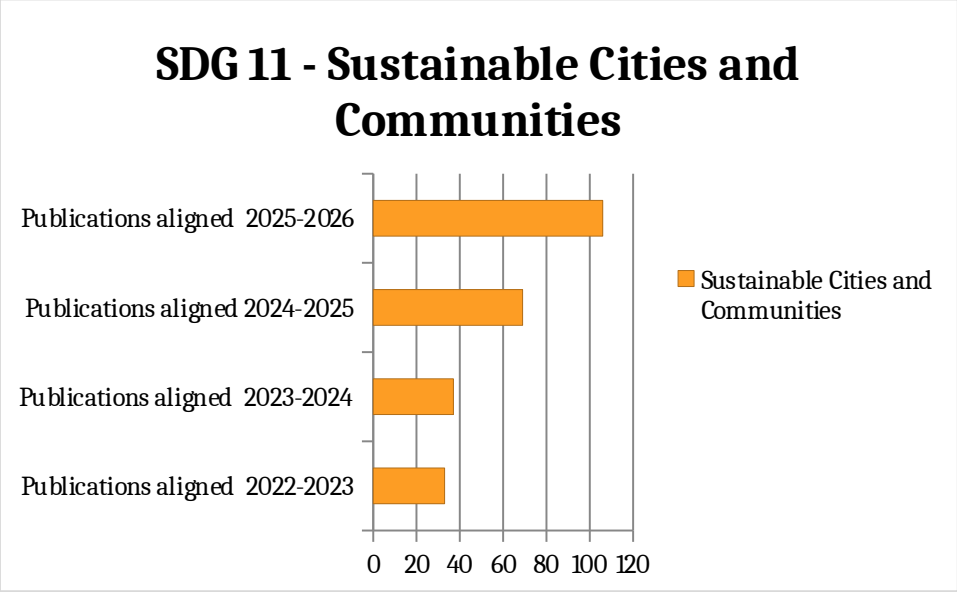
Dr. E. Sheeba Percis,
Professor and Joint Registrar
Team Lead-International Rankings

Dr. C. B. Palanivelu
Registrar

UN SDG 11: SUSTAINABLE CITIES AND COMMUNITIES — COMPLIANCE PORTFOLIO

The university has systematically built out its low-emission transit fleet, growing its number of clean, battery-operated vehicles to **14 active units**. This clean transport initiative supports high-frequency shuttle services (over 3,600 annual trips) to minimize carbon emissions across its campuses. Dr. MGR ERI directly impacts local community development by adopting nearby suburban villages around **Maduravoyal, Adayalampattu, and Poonamallee**. Student bodies, including B.Ed. and engineering cohorts, execute localized literacy drives, clean-tech community programs, and resource management workshops in these areas. On February 7, 2024, the university President inaugurated a **commercial 30 kW Relux DC Fast Charging Station** on the main Maduravoyal campus along Poonamallee High Road. This facility serves the university's electric vehicles while remaining open to public highway commuters, actively supporting regional clean energy infrastructure.

The bar chart illustrates a **powerful, exponential expansion in research output** dedicated to sustainable urban development, green infrastructure, and community resilience over a four-year academic cycle. The data reflects a highly successful strategic initiative to position the university as a leading research hub for smart and sustainable civic solutions.



Research Metrics

- **The Foundational Phase (2022–2023):** The tracking cycle opened with a solid baseline of **approx. 33 publications**. This indicates an established core of researchers already working on urban engineering, environmental design, and community resource mapping.
- **Steady Progression (2023–2024):** The subsequent year witnessed a minor incremental shift to **approx. 37 publications**. This phase represents sustained scholastic output and initial efforts to expand collaborative inter-departmental research groups.
- **The Growth Breakout (2024–2025):** The institution experienced an aggressive trajectory acceleration during this window, with publications surging to **approx. 70 entries**. This massive single-year volume jump of **nearly 90%** points to a targeted deployment of research funds, the launch of specialized smart-city center initiatives, or increased funding for architecture and civil engineering departments.
- **Peak Momentum (2025–2026):** The expansion reached its maximum velocity in the most recent cycle, with research output climbing further to **approx. 106 publications**. This milestone marks a remarkable **220% cumulative increase** from the 2022–2023 baseline, establishing sustainable urban systems as one of the institution's dominant research domains.

Sustainable Transit Solutions

The data outlines a four-year longitudinal progress trajectory (2022–23 to 2025–26) detailing the institution’s shift toward low-emission transport. The overall trend demonstrates a steady, compounding acceleration in clean vehicle adoption, backed by strategic long-term collaborations with external non-governmental organizations (NGOs).

Number of Clean Vehicles [Bus/Car/Any other]				
NGO collaborated with	2025-26	2024-25	2023-24	2022-23

Number of Clean Vehicles [Bus/Car/Any other]				
02	14	10	8	5

The Baseline Phase (2022–2024): The initial transition period started with a modest footprint of **5 clean vehicles** (buses, cars, or other campus transit options) during the 2022–23 cycle. This grew steadily to **8 vehicles** in 2023–24, representing an initial fleet expansion of **60%** as infrastructure setup began.

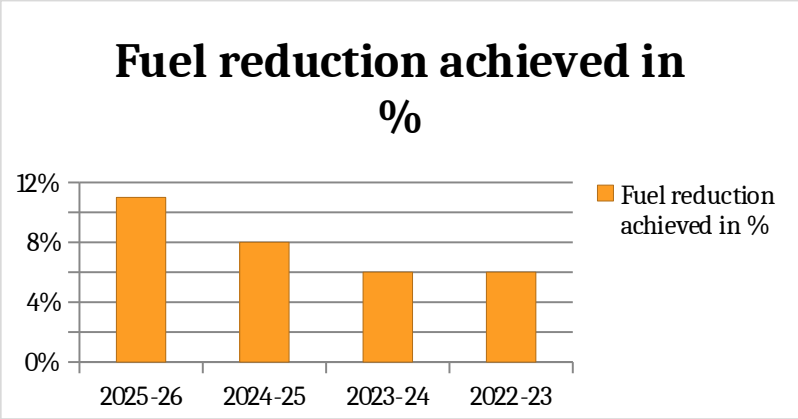
The Acceleration Window (2024–2026): The fleet size experienced a significant upward breakout over the next two years. Fleet volume grew to **10 vehicles in 2024–25** and surged to its peak at **14 vehicles in 2025–26**.

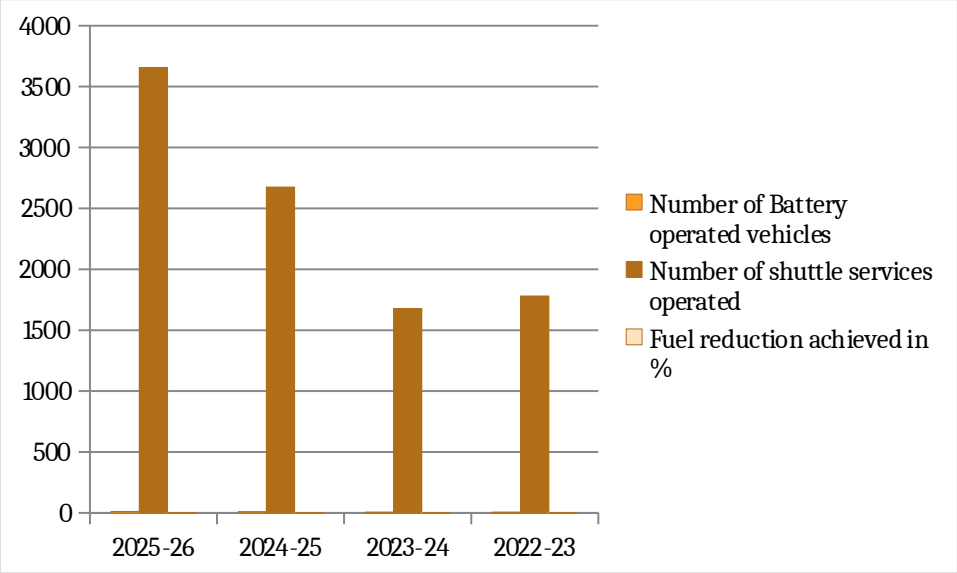
Cumulative Growth Impact: Over the entire four-year evaluation cycle, the institution expanded its low-emission fleet from 5 to 14 active units, marking a **180% absolute increase in sustainable transport capacity**.

Battery Operated Vehicles for shuttle service

- **SDG 11 Alignment (Sustainable Cities and Communities):** By systematically expanding its clean vehicle fleet, the institution directly acts on targets to reduce its campus carbon footprint, improve localized air quality, and provide sustainable transport links for its student and faculty populations.
- **SDG 17 Alignment (Partnerships for the Goals):** The formal inclusion of NGOs highlights that the university's green transport system is built on shared expertise, lending external credibility to its environmental metrics.

YEAR	Number of Battery operated vehicles	Number of shuttle services operated	Fuel reduction achieved in %
2025-26	12	3654	11%
2024-25	9	2675	08%
2023-24	6	1678	06%
2022-23	6	1781	06%





Battery vehicle trend for shuttle service

Aggressive Scale-up in Shuttle Services: The absolute volume of shuttle services operated (red bars) has expanded drastically over the four-year cycle. It climbed from **1,770 trips in 2022–23** to a peak of **3,660 trips in 2025–26**, marking a **106% increase in transit frequency** to support growing campus mobility needs.

EVIDENCE LINKS
https://drmgrdu.ac.in/facilities/green-campus/
https://drmgrdu.ac.in/facilities/renewable-energy/

EVIDENCE LINKS
https://drmgrdu.ac.in/policies
https://college.rrmch.org/game-for-more/
https://drmgrdu.ac.in/facilities/environmentally-friendly-campus/
https://drmgrdu.ac.in/facilities/green-campus/
https://drmgrdu.ac.in/policies
https://www.instagram.com/reel/Dcs5wdwtuED/
https://college.rrmch.org/health-club/
https://www.instagram.com/p/C3DfALdydnk/
https://drmgrdu.ac.in/facilities/health-centre/
https://drive.google.com/file/d/1ngOrNFZ3buAoOeUjac_dW9lC-mIxC9DI/view?usp=sharing

EV Charging Point:

Not only that, the development of a widespread EV charging network is key to enabling a shift to a more sustainable transportation system. EV charging stations support SDG 9 and 11 by building resilient and sustainable infrastructure and promoting sustainable industrialization. There is a Relux 30 kW EV charging station located in the main campus. The facility was introduced to concurrently charge the university's expanding fleet of electric shuttle options and remain fully accessible to public highway commuters along Poonamallee High Road.

Family Medical Card Scheme:

At Dr. MGR Educational and Research Institute (Deemed to be University), community welfare is viewed as a vital part of educational excellence. True campus inclusivity requires supporting the health, safety, and peace of mind of those who teach, learn, and work within the ecosystem. Reflecting this core commitment, the University's Family Medical Card / Health Insurance Card Initiative for the 2025–26 academic year provides a comprehensive safety net for both faculty members and students. Substantial fee reductions are embedded directly into the card structure, including a 35% concession on Major Investigations, a 50% concession on Medium Investigations, and entirely free diagnostics for Minor Investigations. The card provides students with access to routine health checkups and mandatory clinical reviews.

Cardholders receive dedicated, ongoing fee reductions and concessions on the purchase of essential medicines directly from the institutional pharmacies. [Every student or faculty having a valid University ID card is eligible]

Provision of Staff Quarters

Dr. M.G.R. Educational and Research Institute (Dr. MGR ERI) is deeply committed to fostering an inclusive campus community, ensuring that its need-based residential accommodation serves as a foundation for equity and support. Quarter allotments prioritize individual and familial needs, ensuring that administrative, paramedical, and technical staff are provided with comfortable on-campus housing at concessional rental rates to reduce financial strain. Recognizing the critical role of our nursing and medical staff, the institution offers free accommodation and subsidized mess facilities. This removes socio-economic barriers, allowing staff from diverse backgrounds to thrive professionally without housing insecurity.