



SDG 11: Sustainable Cities and Communities **Report 2023-24**

As urbanization moves forward on a global scale, the need for inclusive, safe and sustainable human settlements is becoming increasingly urgent. K.R. Mangalam University acknowledges this challenge and furthers the goal of building better cities by providing research, innovation, and community outreach that encourage sustainable and resilient city growth. The University's cross-discipline groups will work on areas such as responsible urban planning, affordable housing, transport systems that work and green infrastructure as well as special projects to enhance waste management. Working with industry specialists, local authorities and civil-society advocacy groups, faculty members and students investigate scalable approaches to problems such as pollution abatement, smart-city systems technology, disaster resilience and sustainable transportation.

By incorporating environmental awareness, technology and social inclusion into its learning environments and communities via its academic and outreach activities the University aspires to contribute toward building a society which is not only technologically advanced, but also environmentally responsible and socially just. These endeavours are a testament to K.R. Mangalam University's resolve to construct cities and community that guarantee an equitable, sustainable and dignified future for everyone.

11.1 Research on sustainable cities and communities

K.R. Mangalam University has been actively contributing to **SDG 11 – Sustainable Cities and Communities**, demonstrating a strong academic commitment to advancing urban resilience, sustainable infrastructure, and inclusive community development. Between **2014 and 2024**, the University produced **1,042 Scopus-indexed publications**, among which **77 publications** are directly aligned with SDG 11. These works collectively garnered **1,854 paper views**, a **citation index of 8.56**, and a **Field Citation Average (FCA) of 4.06**, reflecting significant engagement and recognition within the global academic and policy-making communities.



11.1.1 Sustainable Cities and Communities – CiteScore

In 2024, the **Cumulative CiteScore** of **27.8** highlights the substantial impact and visibility of K.R. Mangalam University's research addressing issues related to sustainable urbanization, smart city technologies, housing solutions, and urban ecosystem management. The high CiteScore underscores the quality and influence of the University's work in promoting climate-resilient and people-centered city planning.

11.1.2: Sustainable Cities and Communities – FWCI

The **average Field-Weighted Citation Impact (FWCI)** of **1.93** signifies that research produced by K.R. Mangalam University in this domain is cited almost twice as often as the global average, demonstrating the University's strong influence and leadership in sustainability-focused research. This high FWCI reflects the relevance of its publications in global discussions on infrastructure innovation, waste management, green building, and energy-efficient community systems.

11.1.3: Sustainable Cities and Communities – Publications

The **77 SDG 11-aligned publications** reflect the University's interdisciplinary research ethos, combining environmental science, engineering, policy analysis, and social innovation to address complex challenges of urban growth and sustainability. Through research-driven knowledge and collaboration, K.R. Mangalam University continues to contribute meaningfully to the global mission of building inclusive, safe, resilient, and sustainable cities in alignment with **UN SDG 11**.

11.2 Support of Arts and Heritage

K.R. Mangalam University is passionate about maintaining and propagating India's rich arts, culture and heritage. The University seeks to infuse cultural literacy into both its academic and co-curricular life, nurturing creativity and appreciative skills in students. The University commemorates traditional knowledge systems, folk art and craft traditions, regional crafts, Indian culture through cultural festivals, heritage walks, exhibitions. It actively encourages

our students to learn music, dance, theatre and visual arts - to come into contact with the artistic traditions of the country while fostering a respect for cultural diversity.

Through the introduction of education with a past - present combination, the K.R. Mangalam University ensures that creativity, identifying power and continuity are built into its campus culture and community interaction.

11.2.1 Public Access to Buildings

The University encourages community involvement by allowing public access to its buildings and utilities during different tech fests, start-up expos and entrepreneurship contests. School students and local community members are welcome to discover innovation and creativity through my jumping castle activities, bringing along local people, some of whom can access University facilities that may include use of auditoriums, labs and exhibition spaces. This scheme promotes working together, learning and inclusivity in line with the Universities commitment to Sustainable Cities & Communities through enabling community engagement and sustainable educational progression. collective growth.



Students from nearby schools participating in the University's Tech Fest, engaging with innovative projects and utilizing campus infrastructure to experience hands-on learning and technological exploration.



11.2.2 Public Access to Libraries

K.R. Mangalam University believes in being as open to the public as possible: access to its libraries and their resources is open everyone. Access to same learning resources Feeling the necessity of providing an equal opportunity in reading and learning, a library for poor students from upazila, even village will be created of libraries on wheels category so that they can read

books printed as well' as electronic versions along with other academic materials which could contribute towards development of career.

The project is connecting up rural and urban learners with a well-resourced learning experience. With a central library stocking printed and digital resources from around the world, the University will be a place for students to study, question and aspire.

11.2.3 Public Access to Museums

K.R. Mangalam University promote culture and serve the community by providing public access to its museum “Virasat” and art gallery “IKS Gallery (Gyan Vitika). These are places that celebrate India’s cultural and intellectual inheritance, which exhibit traditional art forms, invaluable objects of historical importance and indigenous knowledge. Parents, new students and the general public are able to experience these spaces through an open admissions period and while special events are being presented in order for the broader community to engage with the University’s cultural ambience. The project exemplifies the University’s commitment to heritage preservation, arts promotion and enabling inclusive cultural engagement.

[Link of IKS Gallery](#)

[Link of Museum “Virasat”](#)

11.2.5 Arts and Heritage Contribution

K.R. Mangalam University is dedicated to the preservation and disseminations of arts, culture and heritage through variety of educational initiative & community development activities. Cultural festivals The University frequently arranges cultural festivals, heritage exhibitions, traditional art workshops and performing arts performances that highlight India's rich cultural heritage. Specialized Museums such as the Virasat Museum and IKS Gallery (Gyan

Vitika) serve as important venues for focusing on tribal crafts, traditional arts and knowledge systems.

The students and teachers also collaborate on research, documentation and outreach for the preservation of local heritage, architecture and folk traditions. Integrating art, culture & sustainability in its institutional ethos the University underlines its dedication and commitment to promote and pursue holistic and sustainable development.



K.R. Mangalam University supporting artistic creativity through vibrant wall art initiatives in nearby villages, encouraging community participation and promoting local expression through art and design.

[Link for the Report](#)

11.2.6 Record and Preserve Cultural Heritage

K.R. Mangalam University promotes and encourages the documentation and preservation of the rich varied heritage of India in terms of traditional knowledge, art, architecture etc., whether directly or through folklore under various projects. The University supports research and community projects that document and preserve physical and intangible heritage. Two heritage conservation-oriented project proposals have also been sent to external funding agencies, and there are already two student-led projects underway looking at local traditions practices and community involvement. Two projects based on the smart and sustainable village idea, combining cultural heritage with innovative development concepts as case-



studies. They also illustrate the University's firm and ongoing commitment to protecting cultural identity, promoting local empowerment and sustainable development through culture.

Link for Case Studies

Case Study On Community Driven Transformation

Case Study on Adaptive Reuse of Seth Chuhimal ki Chattri & talab

ADAPTIVE REUSE SECONDARY CASE STUDY-INTERNATIONAL

Link-Projects Applied:

Revival of Water Body: An Ecological Reconnection with The Community

at Ghamroj Village, Haryana

Empowering water conservation and wastewater treatments for a sustainable future

Link- Smart Village:

Revitalizing Community Spaces: A Comprehensive Design Proposal for the

Ghamroj Community Center

11.3 Expenditure on Arts and Heritage

This measure assesses the share of universities overall spend that is dedicated specifically to arts and heritage activities and infrastructure, which does not take into account spending on sports facilities. It's a statement of a university's financial contribution that contributes to cultural enrichment, heritage preservation and the development of student creativity and skills which are connected with community.

11.3.1: Arts and Heritage Expenditure

It is a way of indicating to what extent financial resources further the promotion, preservation and support for arts, culture and heritage related activities through an institution. It also comprises expenses spent on running cultural events, managing museums and galleries, supporting research in the field of arts and preserving traditional knowledge as well as heritage buildings



11.4 Sustainable Practices

K.R. Mangalam University encourages sustainable mobility and eco living through wide array of green initiatives, which are seamlessly in sync with the campus life. The University's holistic approach is a commitment to sustainability, incorporating environmental consciousness into day-to-day campus practices in order to help create a healthier, greener future.

Link: [Sustainable Environment and Green Campus Policy](#)

11.4.1 Sustainable Practices Targets

K.R. Mangalam University has set sustainability objectives of reducing its carbon footprint and promoting an eco-friendly campus community. The Integrated Sustainable Environment and Green Campus Policy of the University specifies quantifiable objectives towards energy saving, waste management, water recycling, biodiversity enrichment etc. Some of the focus areas for action includes increasing solar power generation, ensuring regular tree plantation drives and promotion of judicious use of resources across departments. Ongoing monitoring and assessment of progress will help the University along its path toward these goals, demonstrating the institution's dedication to a durable, eco-minded campus environment.

Link[Sustainable Environment and Green Campus Policy](#)

11.4.2 Promote Sustainable Commuting

K R Mangalam University encourages environment-friendly modes of transportation to minimise its carbon footprint and contribute towards a healthier planet. The University runs a fleet of more than 70 CNG (Compressed Natural Gas) buses that offer students, staff and faculty safe and environmentally friendly ways to travel around campus. These buses have achieved remarkable environmental and traffic congestion reduction effects in the vicinity of open-air spaces. The University also promotes biking, carpooling and electric vehicles on its campus for even less ecological impact. With these steps, K.R. Mangalam University is advocating sustainable mobility and a green & healthy campus environment

Link of the Policy: [Sustainable Environment and Green Campus Policy](#)



11.4.3 Allow Remote Working

K.R. Mangalam University adheres to sustainable and flexible remote/hybrid work model for faculty & staff while maintaining presence where demanded. The University relies on digital technology and systems for virtual meetings, educational partnerships and administrative activities, all of which contribute to enhancement of communication and productivity. Furthermore, work-life balance is improved and the emissions associated with travelling and consuming resources are meaningfully reduced. The University reinforces the sustainability, efficiency and environmental responsibility inherent in its commitments through integrating technology-driven models of work into its operational structure.

11.4.4 Affordable Housing for Employees

K.R. Mangalam University has taken on the responsibility of improving employee welfare and social development by offering Faculty, Staff with affordable and accessible housing facilities. The University can help students rent apartments inside or around campus which have the special price and comfortable, safe living conditions. These provisions serve to reduce distances for the daily commute, decrease carbon emissions, and promote sustainable municipal development. The University also facilitates community, equity and well-being in its employees by providing affordable housing, further strengthening its resolve to sustainable and reasonable campus planning efforts.”

11.4.5 Affordable Housing for Students

Student Housing K. R. Mangalam University provides comfortable, safe, secure and cost-effective accommodation in hostels that are all located on-campus for students enabling them to have ready access to the facilities available on the campus as well as enjoying a sense of independence and building a diverse network at the same time ensuring their academic success here. The University provides good recreational facilities in the form of hostels for both boys and girls, which have Wi-Fi, spacious dining hall, indoor games room, gym for boys and gym for girls etc. These hostels establish a safe and student friendly residential environment which helps students to live and socialize comfortably.

Link of the Hostel: [Affordable Housing for Students](#)



11.4.6 Pedestrian Priority on Campus

K R Mangalam University is committed to making a safe, pedestrian-friendly and green campus which gives top priority to the walkers and sustainable mobility. It has walk ways that are well laid out with shady green corridors and vehicle free zones around academic blocks and recreational areas creating a secure learning space for students and faculty. The University of Waikato also helps keep the roads clear (and less noisy and polluted) when you're walking and cycling. Initiatives of this nature, harmonize with the philosophy of K.R. Mangalam University towards sustainability, safe and environment-friendly operations that nurture a green as well as student friendly campus.

Link of the policy: [Sustainable Environment and Green Campus Policy](#)

11.4.7 Local Authority Collaboration Regarding Planning and Development

K.R. Mangalam University engages with jurisdictions and government agencies around the world to inform smart land use plans in urban and regional development editorial EdgeInsets across Plan magazine grounded by real-life examples. The University participates in dialogues and projects around city planning, the development of infrastructure as well as environmental protection through collaborative programmes with the authorities, consultations of experts or community action. Faculty and students are engaged in research and outreach projects related to urban issues-- such as waste management, green infrastructure, sustainable transportation. In collaboration with local governments, the University nurtures evidence-based policy-making and helps developing sustainable, inclusive and green urban communities.

Link of the MOU with DC Office: [Sustainable Environment and Green Campus Policy](#)

11.4.8 Planning Development – New Build Standards

The K.R. Mangalam University carries eco-friendly elements in each piece of construction and infrastructure development at the institution schedule. All new construction, and where practical renovation work follows green building standards – including energy use reductions, maximizing natural light and ventilation, using green certified and locally produced materials. In 2008, Smriti donated funds to develop eco-friendly systems at the University including the use of Solar Power Systems, Rainwater Harvest Structures and Waste Management in an effort to mitigate environmental damage. An enviro- friendly and



energy-saving campus is always the priority for K.R. Mangalam University according to national energy-efficient building trends and modern green certification standards.

Link of the Policy: [Sustainable Environment and Green Campus Policy](#)

11.4.9 Building on Brownfield Sites

K.R. Mangalam University emphasizes responsible land use and sustainable campus development by prioritizing the redevelopment and optimal utilization of existing or non-agricultural land. The University's master plan is designed to minimize environmental disruption by focusing on revitalizing underutilized areas rather than expanding into untouched green zones. Through the redevelopment of pre-used spaces, the University reduces urban sprawl, conserves natural resources, and maintains ecological harmony. This approach underscores K.R. Mangalam University's dedication to sustainable growth, efficient land management, and environmentally conscious infrastructure planning.