



KALASALINGAM

ACADEMY OF RESEARCH AND EDUCATION

(DEEMED TO BE UNIVERSITY)



Under sec. 3 of UGC Act 1956. Accredited by NAAC with "A++" Grade

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PROTECT, RESTORE AND PROMOTE SUSTAINABLE USE OF TERRESTRIAL ECOSYSTEMS, SUSTAINABLY MANAGE FORESTS, COMBAT DESERTIFICATION, AND HALT AND REVERSE LAND DEGRADATION AND HALT BIODIVERSITY LOSS

THE - Impact Rankings 2025

15.3.5 Collaboration for shared land ecosystems

To reserve and restore the land our KARE campus agricultural farms are classified as Wetland, Garden land and Dry land ecosystem based on soil type and suitability of crops to different crops. The wetland consist of clay soil in which Paddy is dominant crop, followed by green manure crop of Danicha (*Sesbania sp.*), Black gram, green gram and Banana were cultivated on seasonal basis. In Loamy soil of Garden land Cash crop of Cotton and Sugarcane food crops like Maize, Pearl millet, Finger millet, Seed production Black gram, Oil seed crops *Viz.*, Til, Ground nut and Sunflower were cultivated in large scale. Garden land also covers vegetable crops like Brinjal, Chilli and Tomato and Flower crop of Celosia and Marigold in large area. The Livestock Forage crop like Hedge lucerne, Cumbu Napier hybrid grass Fodder sorghum and Fodder maize are cultivated as semi-permanent basis. A Separate Orchard were established with different varieties of Mango, Sapota, Guava, Amala and Jackfruit. In Dry land Multi-purpose tree Agro-forestry model were established with tree Species of Teak, Casuarina Eucalyptus, Maha Neem (*Melia dubia*) in which the annual crop of Banyard millet and Black gram were cultivated on seasonal basis. Horti-Sliviculture system includes the tree crops of Tamarind (*Tamarindus indica*) and Manila tamarind with annual inter crops. In Small packets 30 annual agricultural crops 15 annual vegetable and greens and 7 varieties of flower crops and 10 species of Medicinal crop of the region are established in permanent basis.

attainment of sustainable food production in KARE has been achieved with the availability of instructional farm land at university campus including crop cafeteria, Alagapuri farm and Gopinayakkanpatty farm with an area of 58 acres, 62 acres, and 220 Acres {(50 acres under cultivation) and (45 acres- second phase of land preparation)}, respectively. These farm lands are dedicated to students taking life exploration, hands-on training and development courses within the General Education program. The harvested farm produce was sold to the university workers and local people through a sales counter at subsidized price in the university premises. The land allotment and crop cultivated details are given in Table 1 and 2. The glimpses of farm land at different farm lands in Figures and the tables.

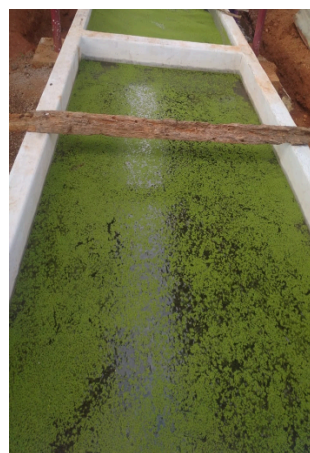
Table 1. Details of land ecosystem

S. No.	Details	Area (acres)
1	Crop Cafeteria & ELP	6
2	Wetland	6
3	Pulses	3
4	Cereals and millets	10
5	Oil seeds	6
6	Fiber crops	3
7	Tuber crops	3
8	Medicinal plant and wood land	2
9	Vegetable crops	3
10	Faculty Research plot	3
11.	Forestry land	3
12.	Students plot	2
13.	Fodder crops	2
14	Dry land	5
	Total	58

Table 2. List of crops cultivated at KARE Farm:

S. No.	Details	Crops
1	Wetland	Paddy, banana, pulses and green manures
2	Garden land	Agricultural crops - Maize, Cotton, Sunflower, Groundnut, Fodder Maize and CN Grass Horticultural crops - Brinjal, Chili, Tomato, Mulberry, Celosia
3	Dryland	Milletts, Sesame and pulses
4	Orchard	Mango (350nos), Guava (440 nos), Coconut (280 nos), Pomegranate (540nos), Leon (230nos), Sapopta (155nos), Amla (150nos), Sweet orange(170nos), Orange (100nos)
4	Medicinal and plantation crops	<i>Piper longum, Lantana camara, Aloe barbendensis, Pavonia Odorata, Coleus aromaticus, etc.,</i>

Vermicompost Unit





INTEGRATED FARMING



PLANTS AND TREES

Banana



Sugarcane



Paddy



Lab lab



Daincha



Sapota



Sugarcane (Chewing)



Red Napier fodder Grass



Overview of instructional farm land











Sales counter



KARE campus cultivated crops and vegetables that benefited nearby villages, people and farmers. It ensures that all the stakeholders benefited from our conservative and sustainable land management efforts.

Club activities for enhancing collaborative shared ecosystem:

KARE National Service Scheme (NSS) organized a seven days special camp for seven days from 28th November 2023 to 04th December 2023 maintaining a sustainable shared land ecosystem. This special camp collaborated with different stakeholders in the surrounding areas reducing the conflict and promoting eco-friendly sustainable management.



Seven days Special Camp



Unnat Bharat Abhiyan Clean India Campaign

Our students also participated in the nationwide initiation Unnat Bharat Abhiyan Clean India Campaign. Nearly 500 students participated in this cleaning camp and educated the rural area people to maintain the hygiene, sanitation and proper disposal of waste.



Land Protection Awareness camp

Our students engage with local communities to educate them about land protection, and best sanitation practices.



Sustainable use of Land- NSS Unit

Engage with communities, schools, and organizations to promote hygiene, sanitation practices and sustainable usage of land.



Awareness Program: Create a brighter & cleaner world on 12.12.2023



Our Nature Club took a moment to celebrate the same on 16th December 2023. An awareness rally was conducted by Nature Club, KARE at Watrap- Nature Club on 16.12.2023



Around 300 volunteers participated in the event and they raised their voice as “Healthy soil, healthy planet!”, “Protect soil, nurture life!”, “Preserve soil, preserve life!” and “Nourish soil, nourish future!”- Environment monitoring Club on 16.12.2023



The journey was a captivating blend of learning, exploration, and creative expression- Horticulture Club on 24-02-2023



Engaged in adventurous activities & gardening- Agriculture Club on 23.03.2024



Inspection survey and analysis of energy- Energy Audit Club on 23.03.2024



To commemorate the National Road Safety Week, NSS Unit of KARE organized an awareness programme on 'Road Safety' in coordination with the Police Department on 11-01-2024 in the Administrative Block Seminar Hall. The Police officials trained the students about the significance of following road safety practices like wearing seat belts, avoiding road rage driving, wearing helmets, abstaining from drunk driving, etc. Many students attended this programme- National Service Scheme.

Vehicle free day for protecting land pollution




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02-08-2023

Circular

Green Army Club is going to observe "Vehicle-free Day and Emission-free Day" at our campus on 05.08.2023, Saturday from 10 am to 1 pm. In connection with celebrations, Smoke generating vehicles shall be avoided inside the campus (Except essential service Vehicles). Flue gas analysis will also be done for two and four-wheelers by Green Army volunteers for willing drivers.

* The observed rapid warming gives urgency to discussions about how to slow greenhouse gas emissions*


Coordinator


Director (Student Affairs)


Vice - Chancellor

Copy submitted to Chancellor and Vice President – for kind information
Copy to Honourable Members of the Board of Management – for kind information
CC: to Registrar and Controller of Examination
CC: to all Deans and Directors
CC: Heads of Departments—with a request for circulation among students



Our Green Army Volunteers monitoring the Solar Power Plant on 26.03.2024