



KUMARAGURU
Institutions



Microcosm - Annual Report 2022

Resource Recovery Park Operations

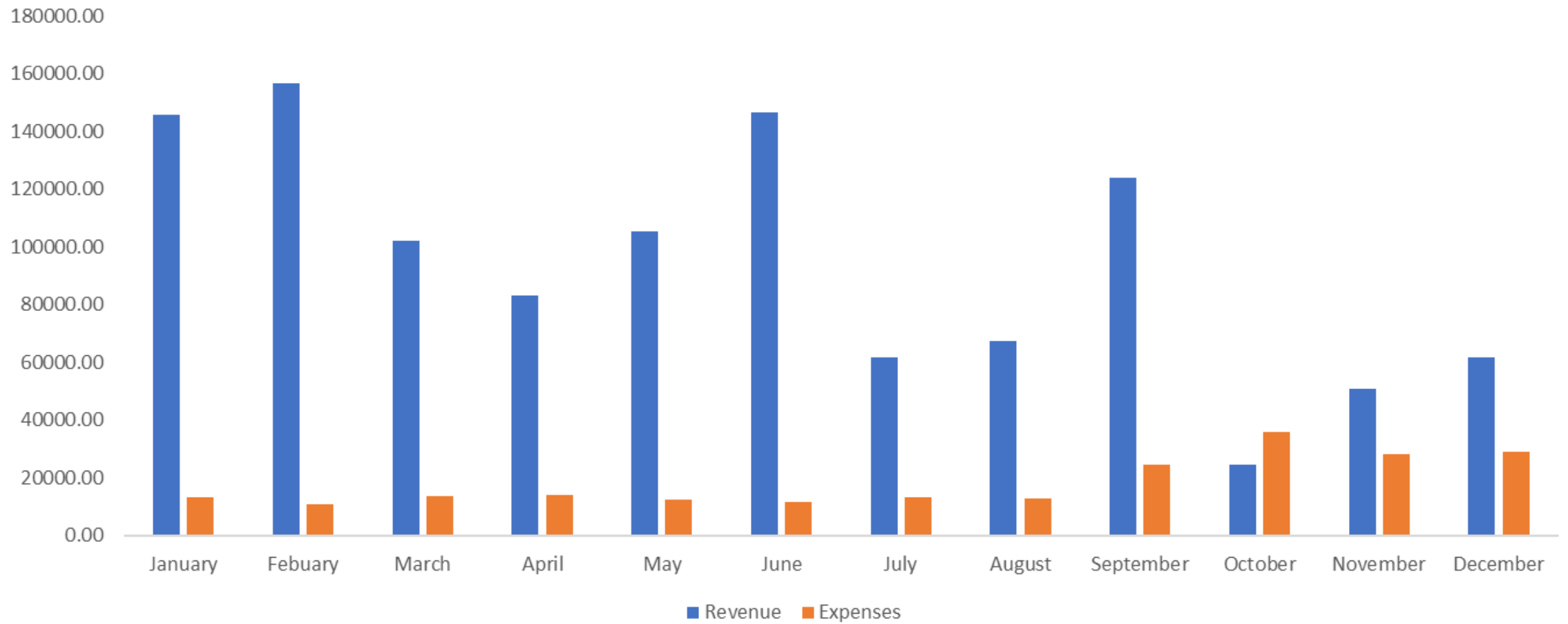
Quantity of resources recovered and disposed responsibly,

- Scarp - 13.6 Tons
- Common Waste - 43.17 Tons
- Total - **56.77 Tons**
- No. Of. Manpower : 2 People / Day
- Revenue Generated - **Rs 1129164**
- Salary Expenses - Rs 220360
- **Surplus - Rs 908804**



Annual Report 2022		Quantity	Revenue
Scrap	Exam Papers & Covers	5040.3	105717.975
	Papers & Cardboards	903.95	13018.1
	Metals	2298.4	76524.25
	Plastics	174.3	4830.3
	Others(Oil Cans)	5164.35	199623
Total		13581.3	399713.62
Common	Papers & Cardboards	21411.54	338729
	Plastics	5187.77	115618.7
	Metals	6370.21	203837
	Others (Coconut Shell, Woods)	10201.4	71265.64
Total		43170.92	729450.34

RRP Revenue & Expense



Native Tree Nursery

- In the year 2022, we have joined hands with **Arulagam** NGO partner with to raise & plant **53212 native tree seedlings** across the state.

Total Plants sent

53212



ARULAGAM



Apiculture

Name of the Bee	Apis Cerana Indica
No of Hives	13
Quantity of Honey Extracted	10 Liters



Events

- Internal Programs (Students & Staffs)
- Outreach / External Programs
- Community Tree Planting
- Farm Talk
- Campus SDG Conservation Series





Internal Programs (Students & Staffs)

Total No of Events - **16** & Total No of Students
Participated - **3000+**

S. No	Name of the Event	Number of Organized	Number of Students Participated
1	Trash Walk	02	40+
2	Nature Walk (Herbal walk, Butterfly Walk, Bird Watching)	04	100+
3	Orientation / Refresher Program (KCLAS Faculties, 1st Year & 2nd Year KCT Students)	04	1900+
4	Campus Sustainability Tour (RIGathon Participants, NSS Members, Nature Club Members, Civil PG Students & Super 60)	04	800+
5	Bommallattam - Puppetry Show	01	60+
6	Upcycled Products Distribution	01	250+

Sustainability Tour - KCLAS Faculties



Kumaraguru Microcosm engaged the KCLAS Faculties through refresher program. 40+ professors visited the Campus Sustainability Initiatives of Ahimsa Vanam, In House Nursery & Resource Recovery Park.

Nature Walk



Bird Watching at Kumaraguru Campus



Bird Watching at Singanallur Lake

Environmental based Activities



Bommallattam Show at Kumaraguru Campus



Butterfly Walk at Kumaraguru Campus



Outreach - External

S.No	Name of the event	Number of Participants	Description
1	KARE - Coimbatore Covid Home Isolation Wellness Assessment - Telecom Support	20+ Volunteers	2000+ calls and monitored with more than 1500+ convalescents in 10 days
2	TNFA Training Session along with Department of Automobile Engineering	90+ Forest Range Officers	Forest Range Officers from across the nation who are undergoing their 18-month training at Tamil Nadu Forest Academy are in Kumaraguru Campus to undergo three-day intensive training on Motor Mechanics.
3	Nurture Nature Camp at Siruthuli	120+ School Students	This camp primarily focused on nature education topics such as water management, waste management, environmental conservation, and afforestation, among others.
4	State Planning Commission Visit	10 members from Kumaraguru Institutions & 3 members from State planning commission	The visit focused on Educational Development, Innovation Learning systems, Social Impact Initiatives and Centre of Excellence, etc.

Outreach - External

S.No	Name of the event	Number of Participants	Description
5	Nanjarayan Tank - Bird Sanctuary	30+ External Nature enthusiast along with Forest Department	Scientific Experts, Nature Enthusiast, Forest Department Officers and Bird Watchers shared their perspectives to enrich the Nanjarayan Tank - DPR works.
6	Farm Walk	30+ Farmers & 20+ Students	KIA & Young Farmers Forum organized the Farm Visit at Madhampatti. Mr Natarajan, Ponmani Farms. He explained his farm activities.
7	Campus Sustainability Tour for TIPS College	30+ Students	TIPS Students visited our campus Sustainability Initiatives.
8	Agro Ecology Workshop for Jasmine Farmers	20+ Farmers along Krishi Janani Forum	Europe based cosmetic company organized a workshop for the Jasmine farmers to understand the opportunities to work in the space of Agro ecology and environment.

Outreach - External

S.No	Name of the event	Number of Participants	Description
9	Aspen Leadership Program	20+ Aspirants	Aspen Leadership Members engaged at Nature Exploration with Kovai Kulangal Pathukappau Amaipu. 20+ young minds visited the biodiversity of Vellalore Lake at Singanallur.
10	Heritage Walk - Alam School	30 Students along with The Vanavarayar Foundation	Alam School Students engaged the Heritage Walk at Samathur.
11	Chinnavedampatti Lake - Volunteer Support	150+ Students	Yugam Socio Constant launch and Volunteer support has been rendered for Chinnavedampatti Lake Restoration.
12	ATBC Conference		MoU Preparation and Conference planning has been initiated and will be happening on July 2023.

TNFA Automotive Training Program



Agro Ecology Workshop for Jasmine Farmers



Agro ecology experts from Lush, eroupe based cosmetic company organized a workshop for the Jasmine farmers to undertstand the opportunities to work in the space of agro ecology and environment. Kumaraguru will be institutional partners and Krishi Janani will be NGO partner for the initiative that Lush will put together to work with Jasmine farmers in Karamadai.

Aspen Leadership Program



Aspen Leadership Members engaged at Nature Exploration with Kovai Kulangal Pathukappau Amaipu. 20+ young minds visited the biodiversity of Vellalore Lake at Singanallur.



Community Tree Planting

S.No	Name of the Program	Participants	Activity
1	Greenathon'22	Rotaract Club of Kumaraguru College of Technology along with Microcosm	This event was organized at Government Middle School, Kasthurinaickenpalayam and 30+ trees were planted
2	World Environment Day	25+ Students	Tree Planting 40+ seedlings planted in the reserved site of a residential area in Coimbatore. This was done in collaboration with the residential association which has assured continuous maintenance, protection, and monitoring of the planted trees.
3	Community Tree Planting	30+ Students	Youth Red Cross Team planted 30+ trees at Tholampalayam village and supported by Kumaraguru Microcosm





Community Tree Planting

- Youth Red Cross Team planted **30+ trees** at Tholampalayam village and supported by Kumaraguru Microcosm

Farm Talk

S.No	Name of the Sessions	Number of Participants	Name of the Guest	Domain
1	Soil Biology	30+	Dr. Arun Kumar	Expert Agricultural Microbiology
			Mr. Kali Prakash	Farmer - Panmayam
			Mr. Sivaramakrishnan	Founder - Greenzy
2	Irrigation Automation	30+	Mr. Benjamin Raja	Founder & CEO Farmagain
			Mr. Dhanasekaran	General Manager - Mobitech
			Er. Ramya	Agricultural Engineering
3	Scientific Dairy / Livestock Mangement	30+	Dr. Thanammal	Dairy Economist
			Dr. Palani	LivestockConsultant
			Mr. Shiva	Farmer
			Mr. Dhinesh	Farmer
4	Bee Keeping	30+	Mr. Vishnu	Dheeran Live World
			Mr. Sreeramsethupathi	Founder - Mellifer

Farm Talk



Farm Talk at Kumaraguru City Centre



Farm Walk at Madhampatti

Campus SDG Conversation - Series

S.No	Name of the Program	Participants	Activity
1	On World Environment Day, SDG Series - 1	The conversation series was equipped our students to think about the conservation of eco system.	SDG Series - Towards achieving the 17 sustainable developmental goals to meet the 2030 global agenda for sustainable development. A mindful conversation with Mr Bharathidhasan, Arulagam, Mr Siva Raja, Chinnavedampatti Lake Restoration and Mr Vijay Babu, Kaligarayan Kulam Restoration.
2	On Nature Conservation Day - SDG Series 2	The conversation series was equipped our students to think about the regenerative agriculture.	SDG Series - Towards achieving 17 sustainable developmental goals to meet the 2030 global agenda for sustainable development. A mindful conversation with Mr Kaliprakash, Founder, Panmayam Regenerative Farm and Ms Usha Devi, Founder, Krishi Janani.
3	Waste Management - SDG Series 3	The conservation series was equipped our students to think about the waste management.	SDG Series - Towards achieving the 17 sustainable developmental goals to meet the 2030 global agenda for sustainable development. Ms Renuka from IKU interacted with our students and shared her experience about waste management. Some technology related projects has been discussed with her.

Campus SDG Conversation - Series



A photograph of a pond with large green lily pads and a single white lotus flower in full bloom. The pond is surrounded by a grassy area. A semi-transparent white circle is overlaid on the left side of the image, containing the title and list.

Landscape Projects

- **The ORB Landscape**
- **Four Corner Landscape**
- **B - Block Courtyard Landscape**
- **Opp. to Transport Office Landscape**
- **Westgate Triangle Landscape**
- **Tree Transplanting Works - 25 Nos**

Landscape Projects



The ORB Landscape

Landscape Projects



Opp. to Transport Office



B Block Courtyard

Consultancy Projects

- Vaccine Camp - Farms & Group Institutions
- Yellow Train - Tree Transplanting at Yellow Train Campus - 23 Trees

Consultancy Projects



Tree Transplanting at Yellow Train School



Vaccination Camp at Samathur

External Visits (Maintenance & Procurement)

S.No	Location	No. of Visit	No. of Manpower Involved	S.No	Location	No. of Visit	No. of Manpower Involved
1	Hive	05	13	9	BU Visit	09	34
2	City Centre	11	26	10	Pothanur	02	11
3	Sakthi Finance Ltd - Saibaba Colony	02	04	11	Perur Visit	01	02
4	Shanthi Ashram	09	35	12	Rajamundry Visit	02	04
5	Samathur	08	32	13	Pollachi Visits (No 5 House, Temple)	01	02
6	Circuit House	07	23	14	MCET	06	14
7	Rukmani Nagar	21	65	15	Alandurai Farm Visit	01	03
8	West Campus	09	43	Total Visit		22	70
Total Visit		72	241				

Total No of Visits - **94** & Total No of Manpower involved - **311**

K - Farmer's Market

S.No	Items	Qty	Total (Rs)
1	Mushroom	16.87 Kgs	3374
2	Egg	9000 Nos	117000
3	Papaya	220 Nos	6600
4	Rice	300 Kgs	10500
Total Cost (Rs)			1,37,474




MOU Signing

Chinnavedampati Lake - Kousika
Neerkarangal

Neerum Naamum -
Uzhavan Foundation, Kumaraguru
Institute of Agriculture & Young
Indians

MoU Signing





Paper Usage Policy for Student Needs



Policy Recommendation

Assignment

- **E - Assignments** for internal review.
- Written assignments shall be given after approval from HOD.
- Binding / Filing should not be done. Can be stapled or tied with thread.

Manuals

- **Plastic sheet with spiral binding should not be done.**
- Double side printed Manual / Records

Policy Recommendation

Exams

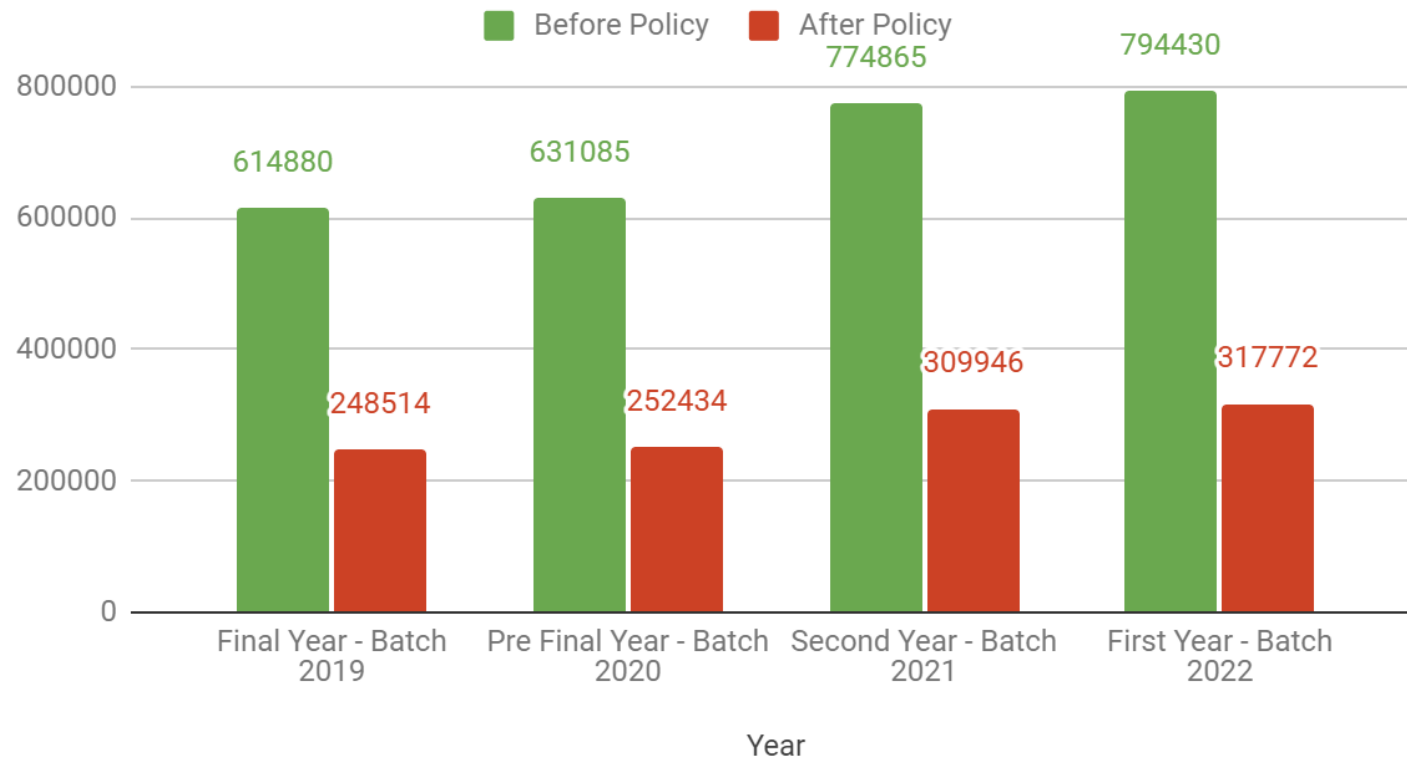
- Reduce CAT answer booklet from 20 to 16 pages and provide additional sheets when required.
- Reduce End Semester Exam answer booklet size from 40 pages to 36 pages.

Reports

- No report should be submitted with Plastic Sheets / Spiral Binding.
- Reports should be double side printed.
- Should have a template of font and size to be used across the reports.

Expected Impact

Paper Usage Analysis



Note: After Policy Implementation, we shall reduce the **60%** of paper consumption.

Course Reframe

Kumaraguru Microcosm and Schools of Foundational Science (Department of Chemistry) are jointly reframing the **Environmental Science course** for second year engineering students. As part of the curriculum, we included the Field visits, Expert conversations and Volunteering activities nearby water bodies.

S.No	Name of the Program	No of Programs	Participants	Description
1	Faculty Training Program	03	Faculties from Department of Chemistry	<ul style="list-style-type: none">• Ms Aparna, Sustainability Enthusiast and Mr Prashanth from Planet Huggs Pvt Ltd oriented about Sustainability and Waste Management.• Mr Saravanan oriented about Water Security & Course Terminologies for EVS course.
2	Orientation Program	02	Second Year Students (600+)	<ul style="list-style-type: none">• Mr Saravanan oriented the students about Coimbatore Biodiversity.
3	Guest Lecture	04	600+ Students	<ul style="list-style-type: none">• Mr Saravanan oriented the students about Coimbatore Biodiversity.
4	Field Visit	7 Sites	600+ Students	<ul style="list-style-type: none">• EVS Course students visited the Campus Sustainability Initiatives inside our campus.

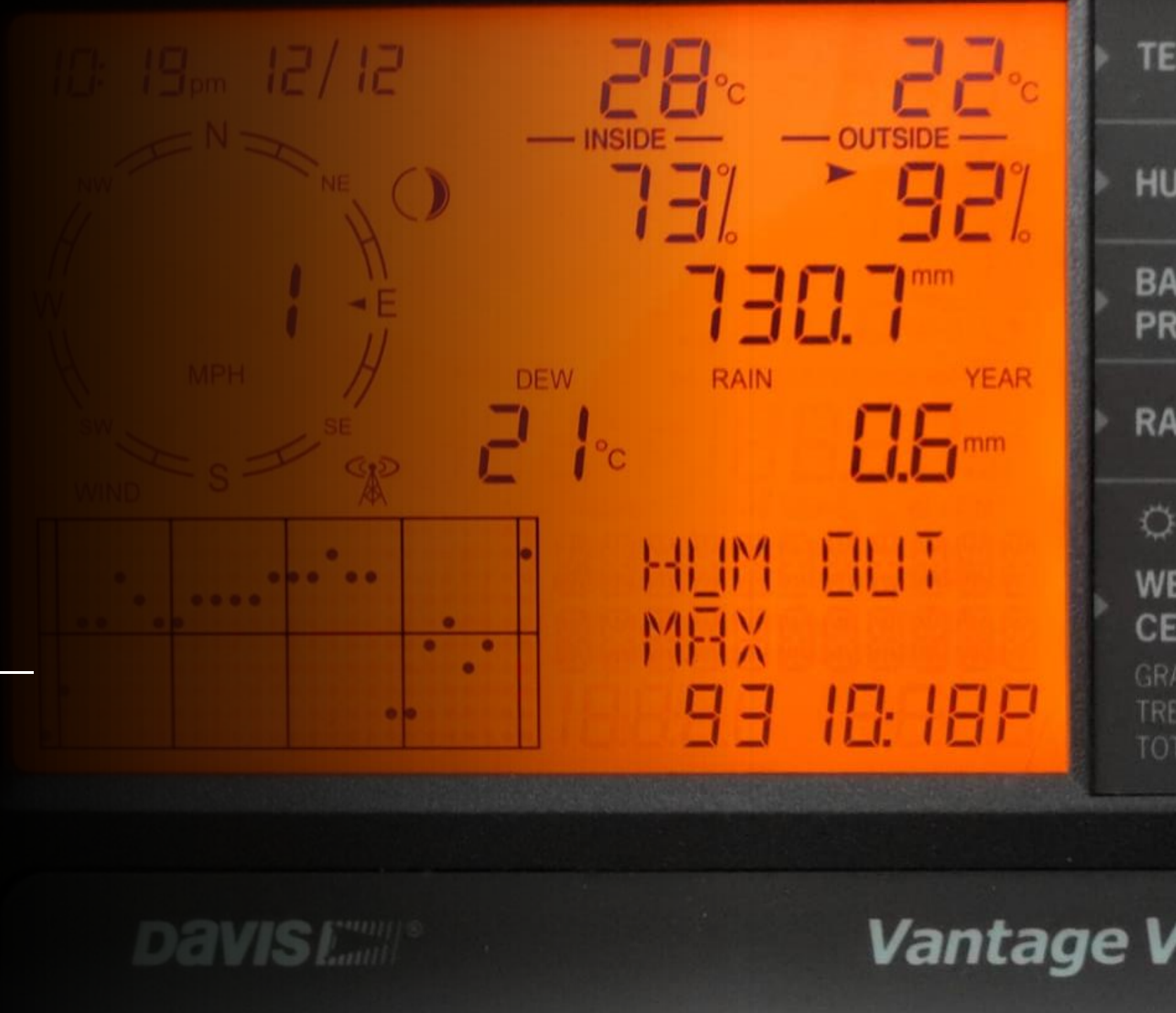


Credit Courses for freshers

Kumaraguru Institute of Agriculture & Microcosm offers the credit courses for KCT freshers. Course details are as follows,

- Environmental Stewardship Program
- Introduction to Agricultural Sciences

Weather Station Installment at Kumaraguru Campus





Experts / Partners Engagement



Experts Engagement

- Mr. Sivaraja, Kousika Neerkarangal
- Mr. Vijay Babu, Kousika Neerkarangal
- Mr. Yatheesh, Kousika Neerkarangal
- Mr. Sivaram Ayyasamy, Farmer
- Mr. Bharathidasan, Secretary, Arulagam
- Mr. Pavvendhan, TNBS Member
- Mr. Renuka, IKU Member
- Mr Kaliprakash, Farmer
- Ms Usha, Founder, Krishi Janani
- Dr Palani, Veterinarian
- Dr Thanammal, Veterinarian
- Mr Dinesh, Farmer
- Mr Vishnu, Apiculturist
- Mr Selva Ganesh, Birder
- Mr Sathish, Restoring Nature
- Ms Lakshmi Menon, UN Member

Partners (NGO)

- Siruthuli
- Kousika Neerkarangal
- The Nature & Butterfly Society (TNBS)
- Tamil Nadu Forest Department
- Tamil Nadu Forest Academy
- IKU
- Arulagam
- Krishi Janani
- Restoring Nature
- Auroville Botanical Services
- The Vanavarayar Foundation
- Planethuggs Pvt. Ltd
- Naandi Foundation
- Beyond Sustainability



KUMARAGURU
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A warm welcome
to Kumaraguru Campus
Golden Oriole



KUMARAGURU
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A warm welcome
to Kumaraguru Campus
Blue Tailed Bee Eater

Awards & Recognitions

- Bhumi Campus Awards - Chennai
- ZEE Edufuture Excellence Awards - Delhi



Bhumi Campus Awards 2022

Bhumi Campus Award 2022 is Asia's first-ever unique awards to recognize socially responsible colleges. Awards are given under seven categories: Most Socially Responsible Campus, Best Volunteer Engagement, Most Eco-Friendly Campus, Best Waste Management in Campus, Most Socially Responsible Staff, People Choice Winner and Most Unique Social Initiative. Kumaraguru Institutions recognized the four categories as follows, Most Eco-Friendly Campus, Best Campus Waste Management, Most Unique Social Initiative and The Social Exemplar Award.

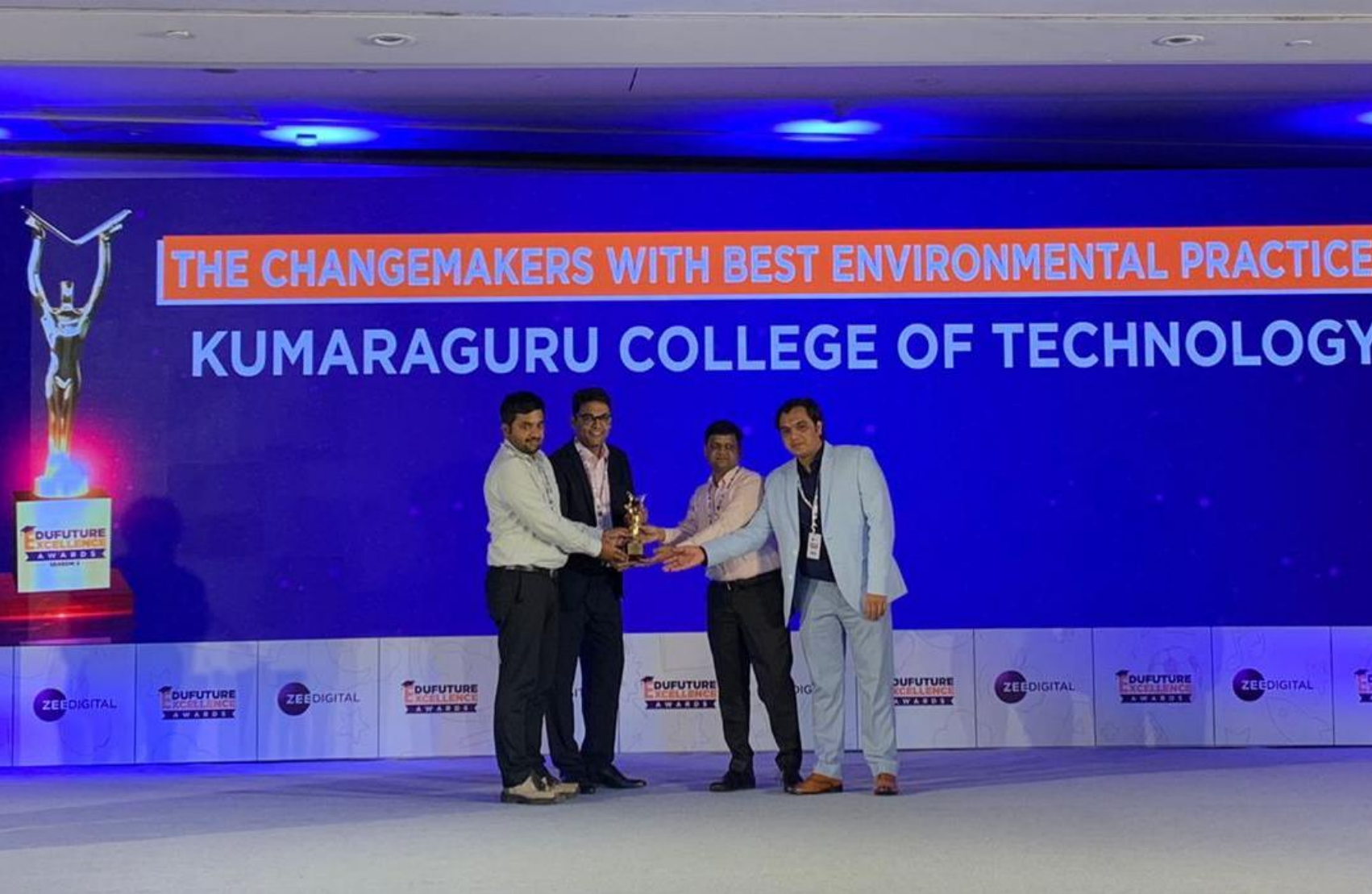
- **Most Eco-Friendly Campus Award** - Kumaraguru College of Liberal Arts and Science for Ahimsa Vanam Project
- **Best Waste Management on Campus Award** - Kumaraguru College of Technology for Resource Recovery Park
- **Most Unique Social Initiative** - Kumaraguru College of Technology for KARE
- **The Social Exemplar Award** - Kumaraguru College of Technology

Bhumi Congratulates

KUMAR GURU COLLEGE OF TECHNOLOGY



Bhumi Campus Awards 2022



Zee Edufuture Excellence Awards

The Changemakers with Best Environmental Practices awarded by Zee Edufuture Awards @ New Delhi



Thank You..