THE - Impact Rankings 2026

17.4.3 Education for SDGs in the wider community

Kalasalingam Academy of Research and Education (KARE) actively extends SDG-related education beyond the campus to empower the wider community. Through structured outreach initiatives, training programs, and collaborative engagements, the institution promotes awareness and action aligned with the UN Sustainable Development Goals.

KARE integrates service-learning components into various academic programs, enabling students to participate in projects that address real community challenges such as clean water access, environmental conservation, rural development, health and well-being, and quality education. These activities strengthen students' experiential learning while directly contributing to societal progress.

The university facilitates internships and field engagements with NGOs, government agencies, local bodies, and community-based organizations working in sustainability and social development. Students gain hands-on exposure to SDG implementation while supporting ongoing community development initiatives.

Additionally, KARE conducts awareness campaigns, capacity-building workshops, and training sessions for school students, rural communities, farmers, self-help groups, and local stakeholders. These programs focus on climate action, waste management, renewable energy, digital literacy, health awareness, and responsible consumption—helping to embed SDG principles within the community.

Through these continuous initiatives, KARE strengthens its role as a catalyst for sustainable development, actively bridging academia and society to advance the SDGs at the grassroots level.

Skill training program to local communities

Kalasalingam Academy of Research and Education (KARE) conducts dedicated skill training programs for local community members to enhance their employability and support sustainable livelihood development. These programs focus on equipping participants with industry-relevant, practical skills that align with current job market needs, thereby promoting economic empowerment and self-reliance.

Training modules include hands-on sessions in areas such as digital literacy, tailoring, basic electrical and electronics maintenance, agro-based technologies, entrepreneurship development, and craft-based skills. The programs are delivered by qualified faculty, technical experts, and trained student volunteers, ensuring accessible and high-quality learning experiences.

Through these initiatives, KARE strengthens community capacity, supports income generation opportunities, and contributes to the socio-economic development of the surrounding region.

Training/Awareness programs organized in association with NGOs, government agencies for social welfare

Development of Women Entrepreneurs in Different Sericulture Sectors: Available Technological Strategies to Develop a Cluster - Scale Sustainable Training for Women Empowerment in and around Virudhunagar District

(TDUPW/11011/32021-IRD(SC)-DSIR)

KALASALINGAM
ACADEMY OF RESEARCH AND EDUCATION
(DEEMED TO BE UNIVERSITY)
Under sec. 3 of UGC Act 1956. Accredited by NAAC with "A++" Grade

सत्यमेव जयते

DSIR

DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH

Report on

Awareness Creation about Sericulture Employment Opportunities at Kadaneri Village

Date: 04.08.2023

Place: E-Seva Building, Near Bus stand, Kadaneri.

Coordinators:-

S.no	Name	Position	Designation
1.	Dr. L. Muthulakshmi	Organizer	Principal Investigator, DSIR-TDUPW Scheme
2.	Ms.M.Arul Sakthi	Coordinator	Field Assistant, DSIR-TDUPW Scheme
3.	Mrs.J.Sri Devi	Chief Guest	President
4.	Mr.S.Gurusamy	Chief Guest	Clerk
5.	G.Murugeswari	Beneficiary	Head –SHG
6.	Kadaneri Village Women	Beneficiaries	SHG peoples

About the program

Women play a vital role in sericulture industry. The awareness program mainly aims to create awareness about employment opportunities related to sericulture. The selected women farmers are involving various agricultural activities. The village president joined this awareness program to motivate the women farmers for doing various activities related to sericulture. 25 women farmers are actively participated and the interested women farmers are selected for further training programme.

The programme started with prayer song by field assistant Ms.Arulsakthi and PI Dr.L.Muthulakshmi gave the information about available employment opportunities for women farmers. The employment activities include mulberry cultivation and nursery mainataince, young age silk worm rearing and reeling process. And further by product development from silkworm pupae waste.

About the Kadaneri Village

Kadaneri is the one of the DSIR selected Village. In this village the people are living the normal life style. The village having around 800-1000 families. Kadaneri is having one government school till 5th Std. In this village women are very good work in the Agriculture activity. After awreness programme women farmers are registered their name in sericulture training. The selected candidate data will transfer to srivilliputhur sericulture unit for further assessment.

Field visit

After lunch the women farmers are visited 3.5 Acre land agriculture land at kadaneri village. PI Dr.L.Muthulakshmi demonstrated about the land preparation for mulberry cultivation and maintenance of mulberry garden and chawki worms' maintenance, government subsidies. One of the women farmers from the village Mrs. G.Murugeswari is willing to involving sericulture and she is having 2.5acre of waste land with trip irrigation water facilities. The identified women farmer informed to AD.Nisha and Jeyalakshmi from sericulture unit srivilliputhur.

Photos of the Awareness Program

Welcome address

Special address

Honored Chief Guest

Remuneration distribution

Remuneration distribution

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Training on Quality Cocoon Production and Making Cocoon Handicrafts

Kalasalingam Academy of Research and Education (KARE), in collaboration with local self-help groups, rural development departments, and community-based organizations, conducted a specialized Training Program on Quality Cocoon Production and Cocoon Handicraft Making. This initiative was designed to empower rural women, farmers, and youth by enhancing their skills in sericulture and developing value-added products from cocoons.

Objectives of the Training

- To provide hands-on knowledge on scientific methods of quality cocoon production.
- To promote sustainable income-generation opportunities through cocoon-based handicraft making.
- To support rural entrepreneurship and skill development aligned with SDG-1 (No Poverty), SDG-5 (Gender Equality), SDG-8 (Decent Work and Economic Growth), and SDG-12 (Responsible Consumption and Production).
- To strengthen community livelihoods by integrating traditional skills with modern techniques.

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Awareness Program on Diabetes mellitus

Women Empowerment Cell

WEC KARE

A Report on Mass Awareness Programme

(30.11.2023)

Access to Diabetes mellitus- Know your risk, Know your response

By

Kalsalingam Academy of Research and Education – Department of Biotechnology

At Ramachandrapuram, patti and near by villages

Event Coordinators

Dr.L.Muthulakshmi
Associate Professor,
Department of Biotechnology,
Kalasalingam Academy of Research and Education

Mrs. G. Thangasubbulakshmi
Professor,
Department of Nursing
Kalasalingam Academy of Resarch and Education

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Anand Nagar, Krishnankoil - 626126. Srivilliputtur (Via), Virudhunagar (Dt), Tamil Nadu | info@kalasalingam.ac.in | www.kalasalingam.ac.in

Women Empowerment Cell

Jointly Organize With

Kalasalingam Medical College and Hospital

On Account Of World Diabetes Day,

Diabetes Awareness Program

Access To Diabetes - Know Your Risk, Know Your Response

Date : Thursday, 30th November 2023

Time : 10:00 AM to 1:00 PM

Venue: Ramachandrapuram-Patti and Near Villages.

Chief Patrons

Dr. K. Sridharan

Chancellor, KARE

Dr. S. Shasi Anand

Vice President, KARE

Mr. S. Arjun Kalasalingam

Vice President, KARE

Patron

Dr.S.Narayanan

Vice –Chancellor, KARE

Dr. V. Vasudevan

Registrar, KARE

Convenor

Dr. M. Kalpana

President-WEC, KARE

Resource Person

Dr. Susan Judith

Vice Principal

Allied Health Sciences, KARE

Coordinators

Dr. L. Muthulakshmi

Associate Professor

Department of Biotechnology, KARE

Mrs. G. Thanga Subbulakshmi

Professor, Nursing, KARE

Awareness programme on Diabetes mellitus

EVENT SUMMARY

Name of the event : Awareness about Diabetes mellitus

Date of the event : 30 th November 2023

Time : 10.00 am- 01.00 pm

Target Audience : Peoples residing Ramachandrapuram rural area

No. of participants:

Theme of the Event : Access to Diabetes mellitus Know your risk- Know your response

Venue : Pillayar temple (Near Panchayath union office)

KARE-Women empowerment cell, arranged this awareness programme on the topic Access to DM- Know your risk, Know your response special awareness speech delivered by Dr.Susan Judith, Principal, ALLIED HEALTH SCIENCE, KARE to the community peoples. DM is the ice-berg disease. It is a group of metabolic disorders characterized and identified by the presence of hyperglycemia in the absence of treatment.It includes in defects in insulin secretion, insulin action or both and disturbances of carbohydrate, fat and protein metabolism. The magnitude of this problem is low in low income country, high in upper and middle income country. Unfavourable modification of life style and dietry habits that are associated with urbanization are believed to be the most important factor for the development of diabetes. The prevalence of diabetes is approximately twice in urban areas than in rural population. Unfortunately, there is still inadequate awareness about the real dimension of the problem among the general public.

GPS Map Camera
S Ramachandrapuram, Tamil Nadu, India
JM3F+9JF, S Ramachandrapuram, Tamil Nadu 626126, India
Lat 9.603462°
Long 77.674043°
30/11/23 11:03 AM GMT +05:30
Google

GPS Map Camera
S Ramachandrapuram, Tamil Nadu, India
JM3F+9JF, S Ramachandrapuram, Tamil Nadu 626126, India
Lat 9.603355°
Long 77.674085°
30/11/23 10:11 AM GMT +05:30
Google

Participants:

Sno	Registration no	Name of Student (Department of Nursing)
1	9923042001	ABARNA D
2	9923042002	ABSEL K
3	9923042003	DEVADARSAN J
4	9923042004	DHANA LAKSHMI B
5	9923042005	DHINESH KUMAR M
6	9923042006	DIVYA BHARATHI P
7	9923042007	DURGA LAKSHMI M
8	9923042008	KARTHIKA M
9	9923042009	KIBIRAJ G
10	9923042010	LIBIYA C
11	9923042011	LOGAKARSHANADEVI R
12	9923042012	MOHAMED NASEER R
13	9923042013	MOHAMMED RAFEEK R
14	9923042014	PRIYADHARSHINI M
15	9923042016	SAIKRISHNA M
16	9923042017	SHAHUL HAMEED S
17	9923042018	SUJAY SARAVANAKUMAR
18	9923042019	UMAMAHESWARI M
19	9923042020	VEERALAKSHMI S
20	9923042021	VISHNU PRIYA M
21	9923042022	ALAGU LAKSHMI M

22	9923042023	APOORVA A
23	9923042024	DHANSUYA R
24	9923042025	JAMEELA SABREEN
25	9923042026	SIVASRI M
26	9923042027	SWETHA S
27	9923042028	PRITHIKA S
28	9923047001	AFRIN AYISHA M R
29	9923047002	ANANDHAKUMAR K
30	9923047003	ARAVINDARAJ M
31	9923047004	DHANUSH S
32	9923047005	HARINI J
33	9923047006	JEBARAJ G
34	9923047007	JEBASEELAN C
35	9923047008	MARIYA MOTCHA RANI J
36	9923047009	M JEYA PRAKASH
37	9923047010	M.MANIMEKALA
38	9923047011	MUTHUPANDI G
39	9923047012	PALPANDI S
40	9923047013	RASWIN NISMA S
41	9923047014	RISWIN S
42	9923047016	SARANYA S
43	9923047017	SHANMUGA SUNDHARAM S
44	9923047018	SWETHA M

45	9923047019	ROSEN ALI S
46	9923047020	DURGA DEVI S
47	9923047021	ISHWARYA M
48	9923047023	MOHAMED ASIM S K
49	9923047024	VARSHA M
50	9923044001	BHUVANESHWARI M
51	9923044002	GUNA SEKAR B
52	9923044003	MOHAMED YASEEN V.A
53	9923044004	SANTHANADEVI P
54	9923044005	SRIDEVI S
55	9923044006	VIMANTHAN J
56	9923044007	A.SHAKEED AFRITHI
57	9923044008	KRISHNAVENI K
58	9923044009	POOMARI A
59	9923044010	VIDHYA S
60	9923044011	VIJAYALAKSHMI S
61	9923044012	VITHURAN G
62	9923049001	JEYASRI G
63	9923049002	MEENAKSHI K
64	9923049004	YUGABHARATHI P
65	9923049005	ARUNPANDI R
66	9923049006	LAKSHMI
67	9923049007	SELVI

68	9923043001	JAYADAISHIKA M
69	9923043002	F.MISBAH
70	9923043003	AMEEMAH MUBASHIRAH.M
71	9923043004	JOHARA SHAFEEKA K M
72	9923043005	RESHMA JASMIN.A

Newspaper clipping on training provided to community people

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கலசலிங்கம் பல்கலையில் மகளிர் மேம்பாட்டு திறன் பயிற்சி

சங்கரன்கோவில், ஜூலை 16-

ஸ்ரீவில்லிபுத்தூர் கலசலிங்கம் பல்கலையில், புதுடில்லி, அறிவியல் மற்றும் தொழில்துறை ஆராய்ச்சி நிறுவனம் சார்பில் மூன்று நாள்,"மகளிர் மேம்பாட்டு திறன் சுயதொழில் பயிற்சி " வேந்தர் முனைவர் கே.ஸ்ரீதரன் தலைமையில் நடைபெற்றது. துணைவேந்தர் எஸ். நாராயணன், பதிவாளர் வி.வாசுதேவன் முன்னிலை வகித்தனர். நாகர்கோவில், தமிழ்நாடு மாட்டு வளர்ச்சி துறை இணைப் பேராசிரியர் எல்.முத்துலட்சுமி பயிற்சியை வழங்கி சிறப்பாக ஏற்பாடு செய்திருந்தார். விருதுநகர் மாவட்ட சுய உதவிக்குழு மகளிர் 40 பேர் பயிற்சியில் கலந்து கொண்டு பயனடைந்தனர்.

ஆய்வாளர், சசித்ரா சிறப்பு விருந்தினராக கலந்துகொண்டு பயிற்சியை துவக்கி வைத்தார்.

அறிவியல் மற்றும் தொழில்துறை ஆராய்ச்சி நிறுவன புராஜக்ட் நிட்ட முதன்மை ஆய்வாளர், பயோடெக்னாலஜி பேராசிரியர் எல்.முத்துலட்சுமி பயிற்சியை வழங்கி சிறப்பாக ஏற்பாடு செய்திருந்தார். விருதுநகர் மாவட்ட சுய உதவிக்குழு மகளிர் 40 பேர் பயிற்சியில் கலந்து கொண்டு பயனடைந்தனர்.

மாடித்தோட்டம் அமைப்பு பயிற்சி முகாம்

சங்கரன்கோவில், செப். 3-

ஸ்ரீவில்லிபுத்தூர், கலசலிங்கம் பல்கலையில், மகளிர் மேம்பாட்டுக் குழு சார்பில், அட்டல் சமூகக்கண்டுபிடிப்பு மையத்துடன் இணைந்து, மகளிருக்கு மாடித்தோட்டம் அமைப்பது பற்றி பயிற்சி முகாம் வேந்தர் முனைவர் கே.ஸ்ரீதரன் தலைமையில் நடைபெற்றது.

இணை வேந்தர் டாக்டர் எஸ்.அறிவழகி ஸ்ரீதரன், துணைத் தலைவர் எஸ்.சசி ஆனந்த், துணை வேந்தர் எஸ்.நாராயணன், பதிவாளர் வி.வாசுதேவன் முன்னிலை வகித்தனர். ஏரிஜிகேஷனல் தலைமை அதிகாரி பி.சுபத்ரா மாடிக்கு சென்று அனைவருக்கும் மாடித்தோட்டம் அமைப்பது பற்றி பயிற்சி வழங்கினார். விருதுநகர் மாவட்ட மகளிர்கள் 40 பேர் கலந்துகொண்டனர். மகளிர் மேம்பாட்டு குழு தலைவி பேராசிரியை எம்.கல்பனா வரவேற்றார். பேராசிரியைகள் செல்வராணி, முத்துலட்சுமி சிறப்பாக ஏற்பாடு செய்திருந்தனர். பேராசிரியை சங்தோ நன்றி கூறினார்.

மாலை மலர்

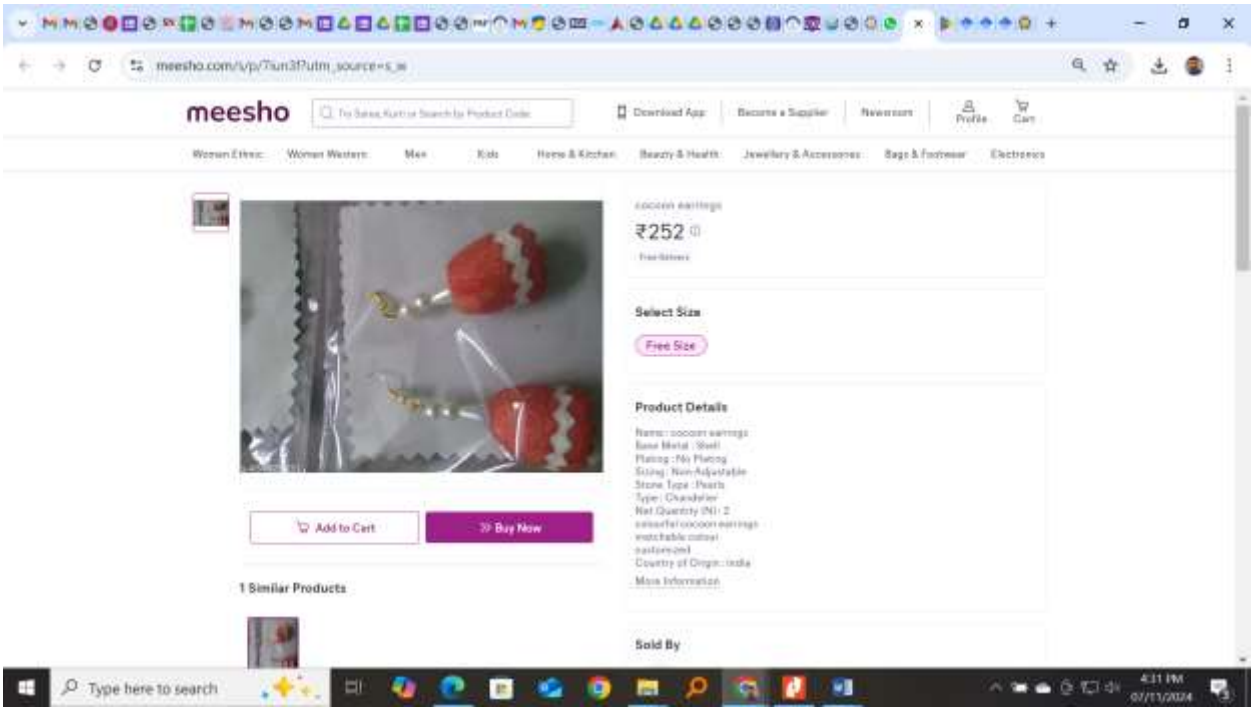
மகளிர் சுயதொழில் வளர்ச்சி முகாம்

ஸ்ரீவில்லிபுத்தூர், அக். 17-

ஸ்ரீவில்லிபுத்தூர் கலசலிங்கம் பல்கலையில், புதுடில்லி, டி.எஸ்.ஐ.ஆர் சார்பில் தமிழ்நாடு பட்டுவளர்ப்பு துறை மற்றும் தமிழ்நாடு வாழ்வாதாரப் பணி திருவனம், ஆகியவற்றுடன் இணைந்து, இரண்டு நாள் மகளிர் சுயதொழில் வளர்ச்சி முகாம் வேந்தர் முனைவர் கே.ஸ்ரீதரன் தலைமையில் நடைபெற்றது. பல்கலைப் பேராசிரியர்கள் ஜே.டேனி, எஸ்.முத்துலட்சுமி, ரெஜினா, யூனியன் வங்கி அதிகாரி சுகன்யா ஆகியோர் முகாமில் உரையாற்றினர். விருதுநகர் மாவட்ட 40க்கும் மேற்பட்ட மகளிர்கள் கலந்துகொண்டு பயனடைந்தனர். பேராசிரியர் எஸ்.முத்துலட்சுமி முகாமை சிறப்பாக ஏற்பாடு செய்திருந்தார்.

Handcraft products prepared by the community people is now available in online shopping mart "meesho"

Handcrafted products made by community members are now available on the online shopping platform "Meesho." This initiative provides artisans and craftspeople with a wider market for their unique creations, allowing them to showcase their skills and traditional crafts to a broader audience. By leveraging e-commerce, community members can enhance their income and promote their cultural heritage, making their products accessible to customers across the country. This partnership not only empowers local artisans but also supports sustainable economic development within the community.



Coaching/Training given by our faculties to school students by advanced teaching aid

Project proposal approved by DST on "Hands on activities by using low-cost teaching aid in Science and Mathematics at rural schools in Virudhunagar District".

GOVERNMENT OF INDIA
Ministry of Science & Technology
Department of Science & Technology
CO/R/TR/S52/2022 (G)
(NCSTC)

Technology Bhawan, New Delhi
Dated: **11/09/2023**

Sanction Order

Subject: Financial assistance for the project entitled **"Hands-on activities by using low-cost teaching aid in Science and Mathematics at rural schools in Virudhunagar district, Tamilnadu."** submitted by **Dr. Karthigadevi K, KALASALINGAM ACADEMY OF RESEARCH AND EDUCATION, KRISHNANKOIL, VIRUDHUNAGAR, TAMILNADU, 626126** Release of the First installment regarding

Sanction of the President is hereby accorded to the approval to the above mention project at a total cost of **Rs. 26,39,600/- (Rupees Twenty Six Lakh Thirty Nine Thousand Six Hundred only)** for a duration of **9 Months.** The detailed breakup of the grant for General as well as Capital Components are given below:-

General Component : ₹ 26,39,600/-
Capital Component : ₹ 0.00/-

	Budget Summary (in Rs.)	
Items	Year 1	Total
1- Non-Recurring		
Subtotal (Capital)	0	
2- Recurring		
Contingency	50000	50000
Overhead	100000	100000
A. Organization of Events/Activities.-Workshop expenses: - a. Venue Arrangements (Hall, Chairs, Mics and other arrangements) @ Rs.20,000/- x 2 days = Rs.40,000/-, b. TA to 3 Major Resource Person @ Rs.17,000/- x 3MRPs = Rs.51,000/-, c. Boarding and Lodging for 3 Major Resource Person @ Rs.5,000/- x 3MRPs x 2 days = Rs.30,000/-, d. Honorarium for 3 Major Recourse Person @ Rs.4,000/- x 3 MRPs x 2 days = Rs.24,000/-, e. TA for 4 Local Resource Persons @ Rs.2,000/- x 4LRPs x 2 days = Rs.16,000/-, f. Honorarium for 4 Local Recourse Person @ Rs.2,500/- x 4LRPs x 2 days = Rs.20,000/-, g. Food for (100 participants + 7 Resource Persons + 6 volunteers), tea, snacks, lunch and evening tea @ Rs.500/- x 113 persons x 2 days = Rs.1,13,000/-, h. Welcome kit for (100 participants + 7 Resource Persons) @ Rs.200/- x 107 kit = Rs.21,400/-, i. TA for 100 Participants @ Rs.500/- x 100 participants x 2 days = Rs.1,00,000/-, j. Local Travel Rs.12,000/-, k. Boarding & Lodging for 4 Local Resource Persons Rs.2,500/- x 4LRPs x 2 days = Rs.20,000/-, l. Stationery and Printing Rs.20,000/-, m. Miscellaneous (Reporting / Photography/ Auditing/ Documentation / Banners / etc.) Rs.5,000/-, n. Expenses on special shows and demonstration Rs.20,000/-, o. Resource material training kit to 100 participants @ Rs.1000/- x 100 participants = Rs.1,00,000/-, p. Coordinator Charges to PI Rs.30,000/- Total for one Training Workshop = Rs.6,22,400/- Total for 4 Workshop = (Rs.6,22,400/- x 4 Workshop) = Rs.24,89,600/-	2489600	2489600

Rajinder Singh

Subtotal (General)	2639600	2639600
Total Project Cost (Cap.+ Gen.)	2639600	2639600

2. The sanction of the President is also accorded to the release of **Rs. 21,00,000/- (Rupees Twenty One Lakh only)** to the **"Director/Registrar/Principal/Controller/Comptroller, KALASALINGAM ACADEMY OF RESEARCH AND EDUCATION"** being the **First** installment of grant as mentioned above table under **"General Component"** for the above mentioned project.

3. The expenditure involved is debitable to **Demand No. 89**, Department of Science & Technology for the year **2023-24:**

3425	Other Scientific Research(Major Head)
3425.60	Others : (Sub-Major Head)
3425.60.200	Assistance to Other Scientific Bodies(Minor Head)
3425.60.200.70	Innovation,Technology Development and Deployment
3425.60.200.70.00	Detailed Head
3425.60.200.70.00.31	Grants-in-aid General
	(Previous: 3425.60.200.08.05.31)

4. The amount of **₹ 1/- (Rupee One only) against the sanctioned amount of 21,00,000/- (Rupees Twenty One Lakh only)** will be drawn by DDO, DST and disbursed to the **"CNA account of SERB in respect of Innovation,Technology Development and Deployment Scheme".**

Name of A/C Holder	**Innovation Technology Development and Deployment**
Bank A/C No	**349902010051240**
Name of the Bank & branch	**Union Bank of India, Safdarjang Enclave - New Delhi**
RTGS/IFSC code	**UBIN0534994**

5. CNA shall assign/allocate the amount of **Rs. 21,00,000/- (Rupees Twenty One Lakh only)** to the **Director/Registrar/Principal/Controller/Comptroller, KALASALINGAM ACADEMY OF RESEARCH AND EDUCATION"** as per details given below:-

Name of A/C Holder	**Kalasalingam Academy of Research and Education**
Bank A/C No	**627302010016648**
Name of the Bank & branch	**Union Bank of India**
RTGS/IFSC code	**UBIN0562734**

6. As per Rule 234 of GFR 2017, the sanction has been entered at S. No **215** . in the register of grants maintained in the **NCSTC** for the scheme **SCIENCE COMMUNICATION THROUGH TRADITIONAL AND NOVEL METHODS AND LOW COST TEACHING AIDS** .

7. This issues with the concurrence of IFD vide their Concurrence Dy. No. **IFD/C/III/140723/31/01225 dated 14/07/2023.**

8. The GI will keep all the funds received in the Central Nodal Account only and shall not transfer the funds to any other account or not divert the same to Fixed Deposits/ Flexi-Account/ Multi-Option Deposit Account/ Corporate Liquid Term Deposit (CLTD) account etc. The funds released to GI shall not be parked in bank account of any other agency.

9. The GI will ensure the compliance of OM. No. F. No. **I/(18)/PFMS/FCD/2021 dated March 9, 2022** of Department of Expenditure, Ministry of Finance.

10. Registration on NGO Darpan Portal-Unique Number/ID: TN/2017/0117848.

11. This sanction order is subject to the **Terms & Conditions** as annexed .

Rajinder Singh

Rajinder Singh
(Scientist - 'E')
rsingh.dst@nic.in

To,
The Pay & Accounts Officer,
Department of Science & Technology,
New Delhi – 110 016.

Copy of information and necessary action to: -

1. The Principal Director of Audit, Scientific Department, IIIrd floor, AGCR Building, I.P. Estate, New Delhi.
2. The Financial Advisor, Integrated Finance Division, Technology Bhavan, New Mehrauli Road, Block C, Qutab Institutional Area, New Delhi, Delhi 110016
3. The Internal Audit Wing, Department of Science & Technology,Technology Bhavan, New Mehrauli Road, Block C, Qutab Institutional Area, New Delhi, Delhi 110016
4. Drawing and Disbursing Officer, DST, Cash Section. (two copies)
5. Dr. Karthigadevi K., Assistant Professor, Computer Applications, KALASALINGAM ACADEMY OF RESEARCH AND EDUCATION, Krishnankoil, Virudhunagar, Tamilnadu - 626117
6. The Director/Registrar/Principal/Controller/Comptroller/Chief Executive Officer(CEO), KALASALINGAM ACADEMY OF RESEARCH AND EDUCATION, Krishnankoil, Virudhunagar, Tamilnadu - 626117
7. Secretary, SERB, New Delhi (for allocation of limits to implementing agency)
8. Head (NCSTC) DST
9. Sanction Folder (NCSTC)

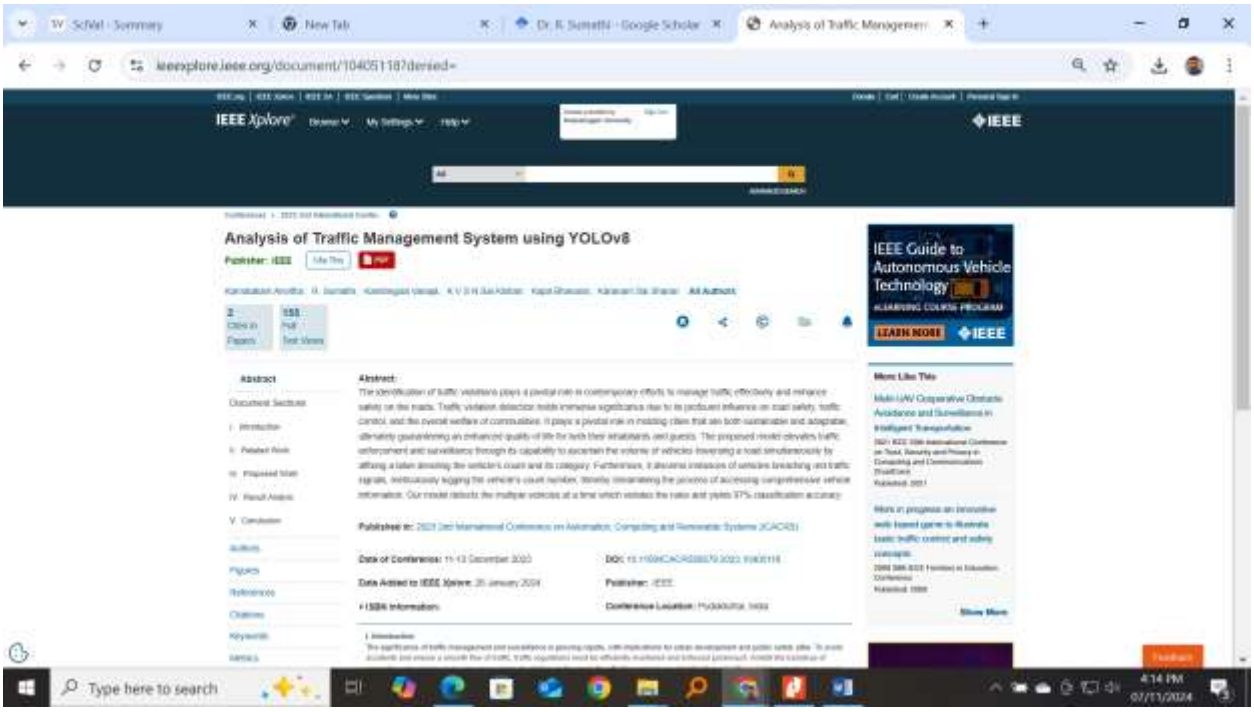
Rajinder Singh
(Scientist - 'E')
rsingh.dst@nic.in

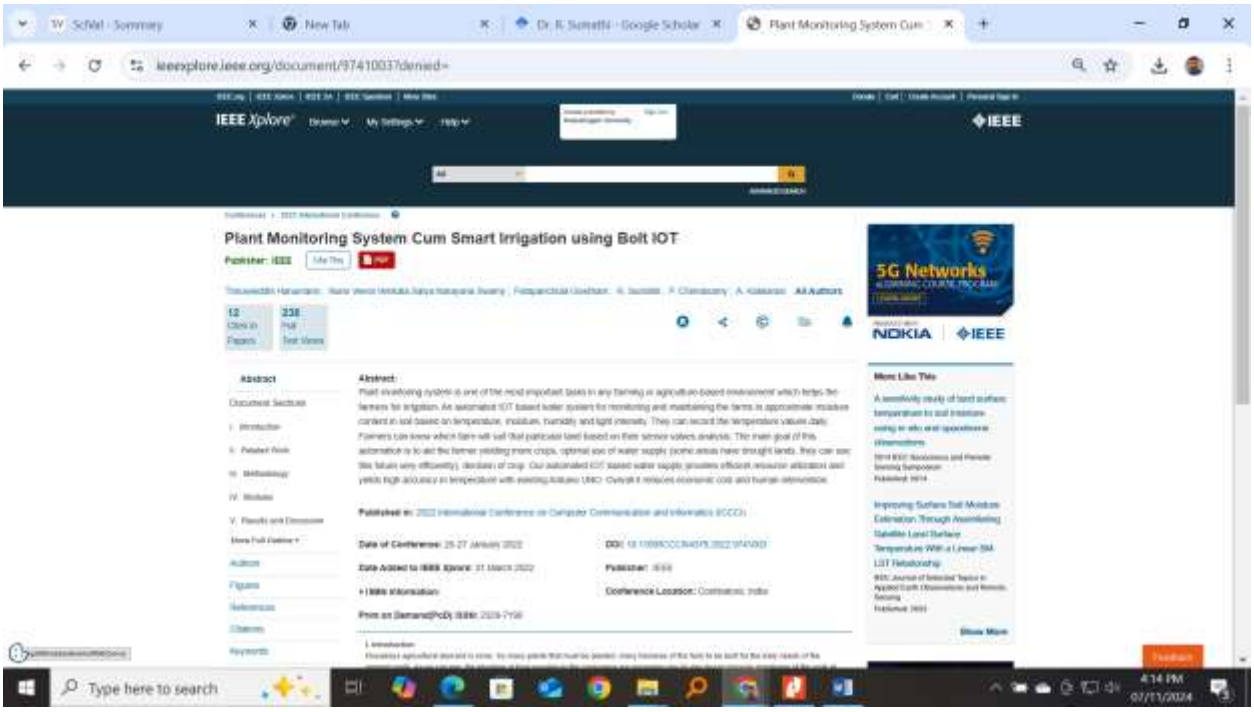
Capstone project

A capstone project at a university serves as a culminating academic experience, allowing students to apply their knowledge and skills to real-world challenges. Typically undertaken in the final year of a degree program, this project involves research, problem-solving, and collaboration. Students often work individually or in teams to create a comprehensive project that showcases their expertise, which may include a written report, presentation, or practical application. Capstone projects not only enhance learning but also prepare students for their future careers by providing valuable hands-on experience.

Sample research papers published for the welfare of community.

KALASALINGAM
ACADEMY OF RESEARCH AND EDUCATION
(DEEMED TO BE UNIVERSITY)
Under sec. 3 of UGC Act 1956. Accredited by NAAC with "A++" Grade





Community Service/Focused Project

A community service or focused project at a university is designed to engage students in meaningful work that benefits local communities. These projects often involve collaboration with community organizations and address specific social, economic, or environmental issues. Students can gain practical experience while developing skills such as teamwork, leadership, and problem-solving.

Typically, these initiatives encourage students to apply their academic knowledge in real-world contexts, fostering a sense of social responsibility and civic engagement. Projects may include activities like tutoring, environmental conservation, health awareness campaigns, or infrastructure development, contributing positively to both the community and the students' personal growth.

Some of the Sustainable Community Service projects by students are listed below:

Beneficiaries	Title	Participants	Project duration
Women Safety	GPS and Live Tracking Arduino Device for Women Safety	6	3 months
Women Safety	Women Safety Android	4	4 months
Public.Drivers	Enhancing Multilingual Interaction with Language translation	5	6 months
Public.Drivers	Predicting the quality of vegetables by using learning application with machine	8	3 months
Public.Drivers	Implementation of Automatic IoT based Solar power tracking system	10	3 months
Public.Drivers	Railway Track crack detection	6	4 months
Public.Drivers	Quality Assurance of Milk	5	4 months
Public.Drivers	Caretaker management for old people using IOT	5	4 months
Public.Drivers	ATM crime detection using image processing integrated video surveillance	4	3 months

Educators	University management System	10	3 months
Educators	Student Feedback System	8	4 months
Educators	Automated Student Attendance System using Fingerprint Recognition	5	4 months
Educators	Sign Language to Text using Machine Learning	10	3 months
Educators	Career Guidance for Students	100	3 months
Farmers	Former friendly Agri App	20	3 months
Farmers	Organic Farming, Crop Recommendation	10	4 months
Farmers	Crop yield Prediction	8	6 months
Farmers	Smart Irrigation system	15	6 months
Farmers	Farm to Home	20	6 months
Farmers	Rice leaf desease detection system using CNN Algorithm	24	4 months
Farmers	S13/01- crop yield prediction using multiple linear regression	8	4 months
Farmers	Crop Disease Detection and Predict Pesticides	6	3 months
Domestic people/Gas Agencies	Air Pollution Monitoring System for Rural Areas	5	4 months
Drivers/Police	Traffic Management using Deep Learning	8	3 months
Drivers/Police	Emergency Vehicle Priority System	8	4 months
Drivers/Police	License Plate Recognition using Computer Vision	5	3 months
Drivers/Police	Traffic Violation Detection	8	3 months
Drivers/Police	Driver Drowsiness and Alcohol Detection System	8	4 months
Engineers-Hardware	Detection of Helmet to enhance Road Safety	5	3 months
Electricians	Residential Electricity theft detection	6	4 months
Fireman/ Officers	Automatic Fire Extinguisher for households and buildings using Arduino	5	4 months
Garbage collector	soil quality detection	10	3 months

Garbage collector	Fuel from Plastic	10	3 months
Garbage collector	Household Services	20	4 months
Women	Crime rate prediction	6	4 months
Fire Department	Safety Mechanism for shredder system using computer vision	4	4 months
Agriculture and Farmers	Agro Tech	8	3 months
Agriculture and Farmers	Digital Agriculture Technology	8	3 months
Agriculture and Farmers	Potato disease prediction using machine learning	10	4 months
Agriculture and Farmers	Weather prediction for farmers to prevent crop from destruction	20	6 months
Agriculture and Farmers	Web application for crop prediction leaf disease detection and fertilizer prediction	20	6 months
Agriculture and Farmers	Advanced Automated Farming System - Seeding in Future	10	6 months
Agriculture and Farmers	Sustainable farming through AI enhanced Recommendation	5	3 months
Household and Industrial purpose	Detecting defects in manufacturing process	5	4 months
Physically Challenged	Indian sign language Detection	5	3 months
Public	Food collection and distribution	10	4 months
Public	Weather forecasting	10	4 months
Public	Ideas of community clean up smart trash cans	5	4 months
Public	Health disease prediction using Mobile Application	5	3 months
Public	Helmet and Number plate detection	5	3 months
Public	Credit card fraud detection	10	6 months
Public	Garbage fill monitoring and automatically municipal reporting system	5	3 months

Public	Water Management in community	10	3 months
Public	Recycling Revolution	8	3 months
Public	Smart Dustbin System	12	4 months
Public	Fake News Detection	5	3 months
Drivers	Drowsiness detection of drivers	5	3 months
Health	Disease prediction using symptoms	5	3 months
Health	Parkinson's disease detection	5	3 months
Health	Brain tumor image recommendation	5	4 months
Health	COVID -19 Pneumonia Detection	5	3 months
Health	Lung Cancer detection using ANN Algorithm	5	6 months
Health	Liver Disease Prediction using ML	5	6 months
Health	Blood Donation system network using DBMS and ML	6	4 months
Health	Blood bank management system	6	3 months

Design Project - EXSEL

A design project conducted at the University for the welfare of the community involves collaborating directly with community members to identify their needs and challenges. In this initiative, students gather problem statements through surveys, interviews, or workshops, ensuring that the projects are grounded in real-world issues faced by the community.

Once the problems are identified, students work in teams to develop innovative solutions, applying their design and engineering skills. These projects not only address specific community needs but also encourage students to engage with the community, fostering collaboration and understanding. The outcome may include prototypes, strategic plans, or other tangible deliverables that can be implemented to improve the quality of life for community members. This hands-on approach helps students learn about social impact while contributing to the welfare of the community.

Sustainability project awards to students:

Kalasalingam Academy of Research and Education (KARE) actively encourages student innovation in sustainability by recognizing outstanding projects that contribute to the Sustainable Development Goals (SDGs). Each year, students who develop impactful, solution-oriented projects addressing environmental, social, and economic challenges are honored with Sustainability Project Awards.

These awards celebrate student initiatives in areas such as renewable energy solutions, waste reduction technologies, water conservation systems, inclusive community development models, sustainable product design, and green campus innovations. The recognition aims to motivate students to apply scientific knowledge and creative thinking toward real-world sustainability issues.

Award-winning projects are evaluated based on their impact, innovation, feasibility, scalability, and alignment with SDGs. This initiative fosters a culture of sustainability on campus, promotes interdisciplinary problem-solving, and inspires students to become responsible global citizens contributing to sustainable development.

SRI RAMAKRISHNA ENGINEERING COLLEGE

[EDUCATIONAL SERVICE: SNR SONS CHARITABLE TRUST]
[AUTONOMOUS INSTITUTION, REACCREDITED BY NAAC WITH 'A+' GRADE]
[APPROVED BY AICTE AND PERMANENTLY AFFILIATED TO ANNA UNIVERSITY, CHENNAI]
[ISO 9001:2015 CERTIFIED AND ALL ELIGIBLE PROGRAMMES ACCREDITED BY NBA]
VATTAMALAIPALAYAM, N.G.G.O. COLONY POST, COIMBATORE – 641 022

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

HACKHEIST ' 2K24

Certificate of Appreciation

This is to certify that Mr/Ms ANAGHA A.S
of KALASALINGAM UNIVERSITY
has been awarded with the **BEST INNOVATION AWARD**
in the three-days National Level Hackathon **"HACKHEIST' 2K24"**
held at Sri Ramakrishna Engineering College, Coimbatore
during 22nd & 27th-28th of March, 2024.

FACULTY COORDINATOR (E. BHARATHINI)
HOD-ECE DR.M.Jagadeeswari
PRINCIPAL DR.N.R.Alamelu

G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS)
KOVILPATTI – 628 502.

TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY
Govt. of Tamil Nadu, Chennai
&
NCSTC, DST. Govt. of India, New Delhi.

TNSCST

Catalysed and Supported
SCI – TECH AWARD - 2023

CATEGORY – JUNIOR INNOVATOR AWARD

IS AWARDED TO

Mr. N. HARIHARAN

Department of Biotechnology,
Kalasalingam Academy of Research & Education,
Virudhunagar.

for his outstanding creativity, ingenuity, and innovation in the field of Science and Technology

Organizing Secretary

Principal

CERTIFICATE OF ACHIEVEMENT

THIS CERTIFICATE IS PROUDLY PRESENTED TO

Naveen Kumar

and their team for demonstrating exceptional innovation for sustainable development and rising as one of the TOP 100 winning teams of Hack4Purpose (1st edition), hosted by DPurpose Foundation and the United Nations UNLEASH. Your dedication to creating impactful solutions for global challenges is truly commendable

June 26th & 27th, 2024

DESIKA PRABAKAR
FOUNDER & DIRECTOR
DPurpose Foundation

Dr. VIVEK MANOHARAN
AMBASSADOR
UN UNLEASH

DPURPOSE FOUNDATION · Hack4Purpose · SUSTAINABLE DEVELOPMENT GOALS · E-YUVA · UNLEASH

CERTIFICATE OF ACHIEVEMENT

THIS CERTIFICATE IS PROUDLY PRESENTED TO

Sivasakthi A

and their team for demonstrating exceptional innovation for sustainable development and rising as one of the TOP 100 winning teams of Hack4Purpose (1st edition), hosted by DPurpose Foundation and the United Nations UNLEASH. Your dedication to creating impactful solutions for global challenges is truly commendable

June 26th & 27th, 2024

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UN UNLEASH

DPURPOSE FOUNDATION · Hack4Purpose · SUSTAINABLE DEVELOPMENT GOALS · E-YUVA

CERTIFICATE OF ACHIEVEMENT

THIS CERTIFICATE IS PROUDLY PRESENTED TO

Sai Ganga R

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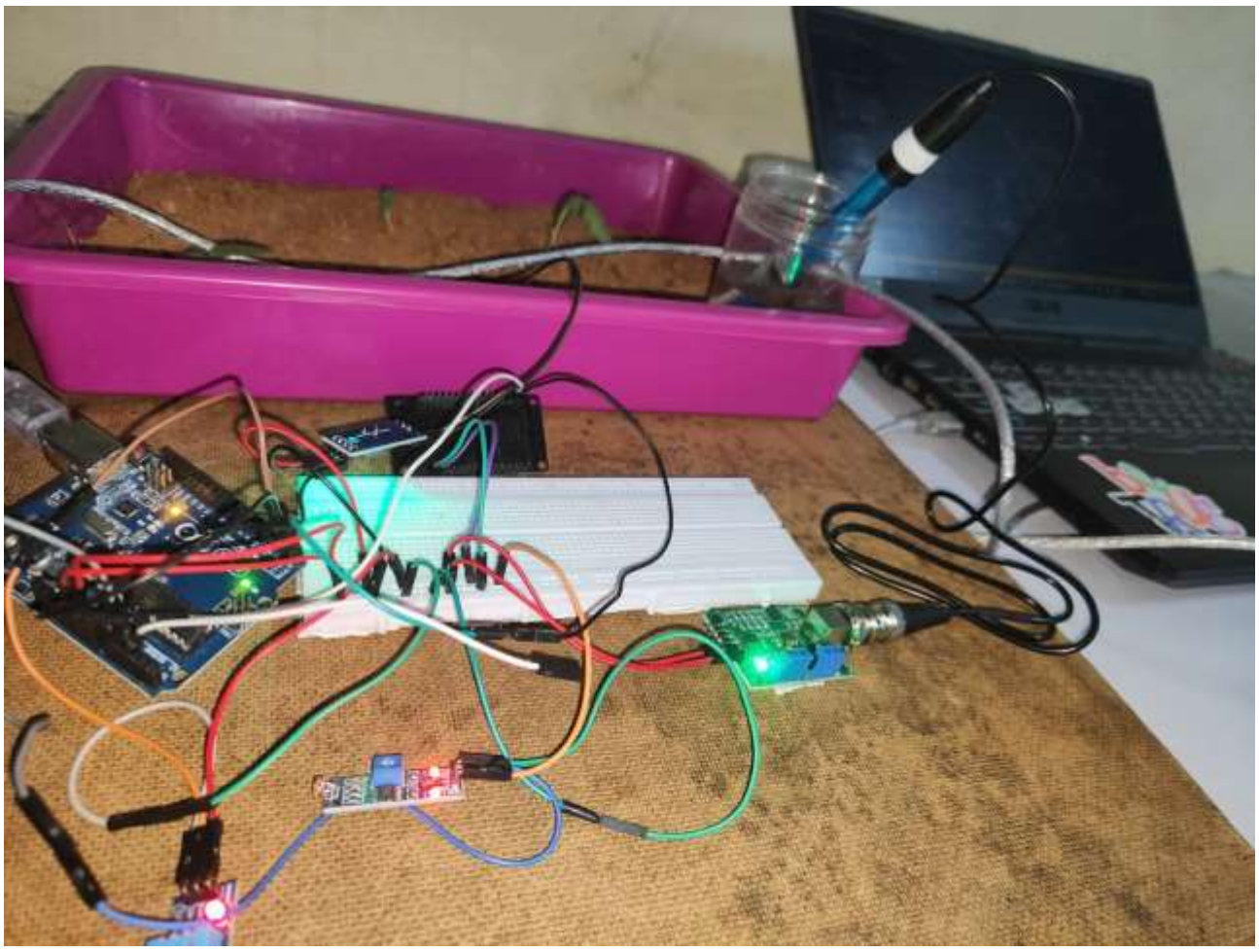
DPURPOSE FOUNDATION · Hack4Purpose · GOALS · E-YUVA

Community service project demo photo and video