



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



THE - Impact Rankings 2025

17 PARTNERSHIPS
FOR THE GOALS



**Strengthen the means of implementation and revitalise
the Global Partnership for Sustainable Development**

17.4.3 Education for SDGs in the wider community

Universities can play a vital role in advancing education for the Sustainable Development Goals (SDGs) within the wider community by fostering partnerships, sharing knowledge, and promoting sustainability initiatives.

Integrate service-learning into the curriculum, where students work on projects that address local community needs related to the SDGs, providing hands-on experience while benefiting the community.

Facilitate internships with NGOs, government agencies, and community groups focused on sustainability, allowing students to apply their learning in real-world contexts.

Skill training program to local communities

University offers skill training programs to local communities, aimed at enhancing their abilities and improving employment opportunities. These initiatives are designed to empower participants with practical skills that meet the needs of the job market, fostering economic development and self-sufficiency within the community.

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

Training on Quality Cocoon Production and Making Cocoon Handy Crafts

[https://docs.google.com/document/d/1No2WrF8NGNq2PqupFA0iu542--sfM0hU/edit?usp=drive link&oid=113938024005760959391&rtpof=true&sd=true](https://docs.google.com/document/d/1No2WrF8NGNq2PqupFA0iu542--sfM0hU/edit?usp=drive_link&oid=113938024005760959391&rtpof=true&sd=true)



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Awareness Program on Sericulture Employment Opportunities

https://docs.google.com/document/d/1VncjA1Nb2rvsJH8xfHigneZK8o_hz_Sy/edit?usp=drive_link&oid=113938024005760959391&rtpof=true&sd=true

Training on Mulberry Cultivation

https://docs.google.com/document/d/1r_IOlQXGuOqdUh8IzkBvhGOISZJio4O/edit?usp=drive_link&oid=113938024005760959391&rtpof=true&sd=true

Awareness Program on Diabetes mellitus

https://docs.google.com/document/d/1irRlk6Y2nfg7lq_71JnaoClpEtF1ZV5E/edit?usp=drive_link&oid=113938024005760959391&rtpof=true&sd=true

Training programs conducted in association with STI Hub

https://drive.google.com/drive/folders/1KHYFKSHZi0xjsLON4F8gBfefzqzdjYyJ?usp=drive_link



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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 தொழினுறை 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 பட்டு வளர்ச்சி துறை இளநிலை

ஆய்வாளர், ச.சித்ரா சிறப்பு விருந்தினராக கலந்துகொண்டு பயிற்சிகளை துவக்கி வைத்தார். அறிவியல் மற்றும் தொழினுறை ஆராய்ச்சி நிறுவன புராஜக்ட் திட்ட முதன்மை ஆய்வாளர், பியோடெக்னாலஜி, பேராசிரியர் எல்.முத்துலட்சுமி பயிற்சியை வழங்கி சிறப்பாக ஏற்பாடு செய்திருந்தார். விருதுநகர் மாவட்ட சுய உதவிக்குழு மகளிர் 40 பேர் பயிற்சியில் கலந்து கொண்டு பயனடைந்தனர்.



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மாடித்தோட்டம் அமைப்பு பயிற்சி முகாம்



சங்கரன்கோவில், செப். 3-

ஸ்ரீவில்லிபுத்தூர், கலசலிங்கம் பல்கலை
மையில், மகளிர் மேம்பாட்டுக் குழு சார்பில்,
அட்டல் சமூககண்டுபிடிப்பு மையத்துடன்
இணைந்து, மகளிர்க்கு, மாடித்தோட்டம்
அமைப்பது பற்றி பயிற்சி முகாம் வேந்தர்
முனைவர் கே.ஸ்ரீதரன் தலைமையில்
நடைபெற்றது.

இணை வேந்தர் டாக்டர் எஸ்.அறிவுமுகி
ஸ்ரீதரன், துணைத் தலைவர் எஸ்.சசி
ஆனந்த், துணை வேந்தர் எஸ்.நாராயணன்,

பதிவாளர் வி.வாகதேவன் முன்னிலை
வகித்தனர். ஏசுலிங்கேஜப் தலைமை
அதிகாரி பி.சுபத்ரா மாடிக்கு சென்று
அனைவருக்கும் மாடித்தோட்டம் அமைப்
பது பற்றி பயிற்சி வழங்கினார். விருதுநகர்
மாவட்ட மகளிர்கள் 40 பேர் கலந்துகொண்
டனர். மகளிர் மேம்பாட்டு குழு தலைவி
பேராசிரியை எம்.கல்பனா வரவேற்றார்.
பேராசிரியைகள் செல்வராணி, முத்து
லட்சுமி சிறப்பாக ஏற்பாடு செய்திருந்தனர்.
பேராசிரியை சங்கீதா நன்றி கூறினார்.

மாநிலம் பயணம்

மகளிர் சுயதொழில் வளர்ச்சி முகாம்



ஸ்ரீவில்லிபுத்தூர், அக். 17-

ஸ்ரீவில்லிபுத்தூர் கலசலிங்கம்
பல்கலையில், புதுடில்லி, டி.எஸ்.ஐ.ஆர்
சார்பில் தமிழ்நாடு பட்டுவளர்ப்பு துறை
மற்றும் தமிழ்நாடு வாழ்வாதாரப் பணி
நிறுவனம், 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.



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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.

The screenshot shows the Meesho website interface. At the top, there is a search bar with the text "Try Saree, Kurti or Search by Product Code". Below the search bar, there are navigation links for "Download App", "Become a Supplier", "Newsroom", "Profile", and "Cart". The main navigation menu includes categories like "Women Ethnic", "Women Western", "Men", "Kids", "Home & Kitchen", "Beauty & Health", "Jewellery & Accessories", "Bags & Footwear", and "Electronics".

The featured product is "cocoon earrings" priced at ₹252. The product image shows two red and white patterned earrings with gold-colored hooks. Below the image are "Add to Cart" and "Buy Now" buttons. The product details section includes:

- Name: cocoon earrings
- Base Metal: Shell
- Plating: No Plating
- Sizing: Non-Adjustable
- Stone Type: Pearls
- Type: Chandelier
- Net Quantity (N): 2
- colourful cocoon earrings matchable colour customized
- Country of Origin: India

The page also shows "1 Similar Products" and a "Sold By" section. The Windows taskbar at the bottom indicates the time is 4:31 PM on 07/11/2024.



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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".

https://drive.google.com/file/d/1tSSGGeDPrB1JvejWgiVwlva6X8dx8R7/view?usp=drive_link



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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.

The screenshot displays a web browser window with the IEEE Xplore digital library interface. The main content area shows the title "Analysis of Traffic Management System using YOLOv8" published by IEEE. The authors listed are Kamatakam Anvitha, R. Sumathi, Kandregula Vanaja, K V S N Sai Kishan, Kapa Bhavana, and Karanam Sai Sharan. The abstract discusses the identification of traffic violations and the use of YOLOv8 for detection. The document sections include Introduction, Related Work, Proposed Work, Result Analysis, and Conclusion. The browser's address bar shows the URL "ieeexplore.ieee.org/document/10405118?denied=".



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The screenshot shows the IEEE Xplore website interface. The main content area displays the title "Plant Monitoring System Cum Smart Irrigation using Bolt IOT" and its abstract. The abstract describes an automated IOT-based water system for monitoring and maintaining farms. The document sections include Introduction, Related Work, Methodology, Modules, Results and Discussion, and References. The authors listed are Thiruvethdi Hanumann, Nune Veera Venkata Satya Narayana Swamy, Patapanchula Gowtham, R. Sumathi, P. Chinnasamy, A. Kalaiarasi, and All Authors. The paper was published in the 2022 International Conference on Computer Communication and Informatics (ICCCI) on January 25-27, 2022. The DOI is 10.1109/ICCCI54379.2022.9741003. The publisher is IEEE. The conference location is Coimbatore, India. The paper is available for full-text viewing.

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:



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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 disease detection system using CNN Algorithm	24	4 months
Farmers	S13/01- crop yield prediction using multiple linear regression	8	4 months



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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



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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



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Health	Blood bank management system	6	3 months
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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.

Report on EXSEL

https://docs.google.com/document/d/1ARxki8tSPAoUPIYtAkQ7wGP6xUrjciWe/edit?usp=drive_link&oid=113938024005760959391&rtpof=true&sd=true



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Sustainability project awards by students:





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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.



Catalysed and Supported
SCI - TECH AWARD - 2023

CATEGORY - JUNIOR INNOVATOR AWARD

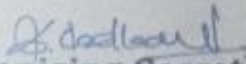
IS AWARDED TO



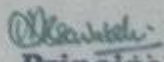
Mr. N. HARIHARAN

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



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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

P. Desika

DESIKA PRABAKAR
FOUNDER & DIRECTOR
DPurpose Foundation



M. Vivek

Dr. VIVEK MANOHARAN
AMBASSADOR
UN UNLEASH





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June 26th & 27th, 2024

P. Desika

DESIKA PRABAKAR
FOUNDER & DIRECTOR
DPurpose Foundation



M. Vivek

Dr. VIVEK MANOHARAN
AMBASSADOR
UN UNLEASH





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ACADEMY OF RESEARCH AND EDUCATION

(DEEMED TO BE UNIVERSITY)

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



Community service project demo photo and video



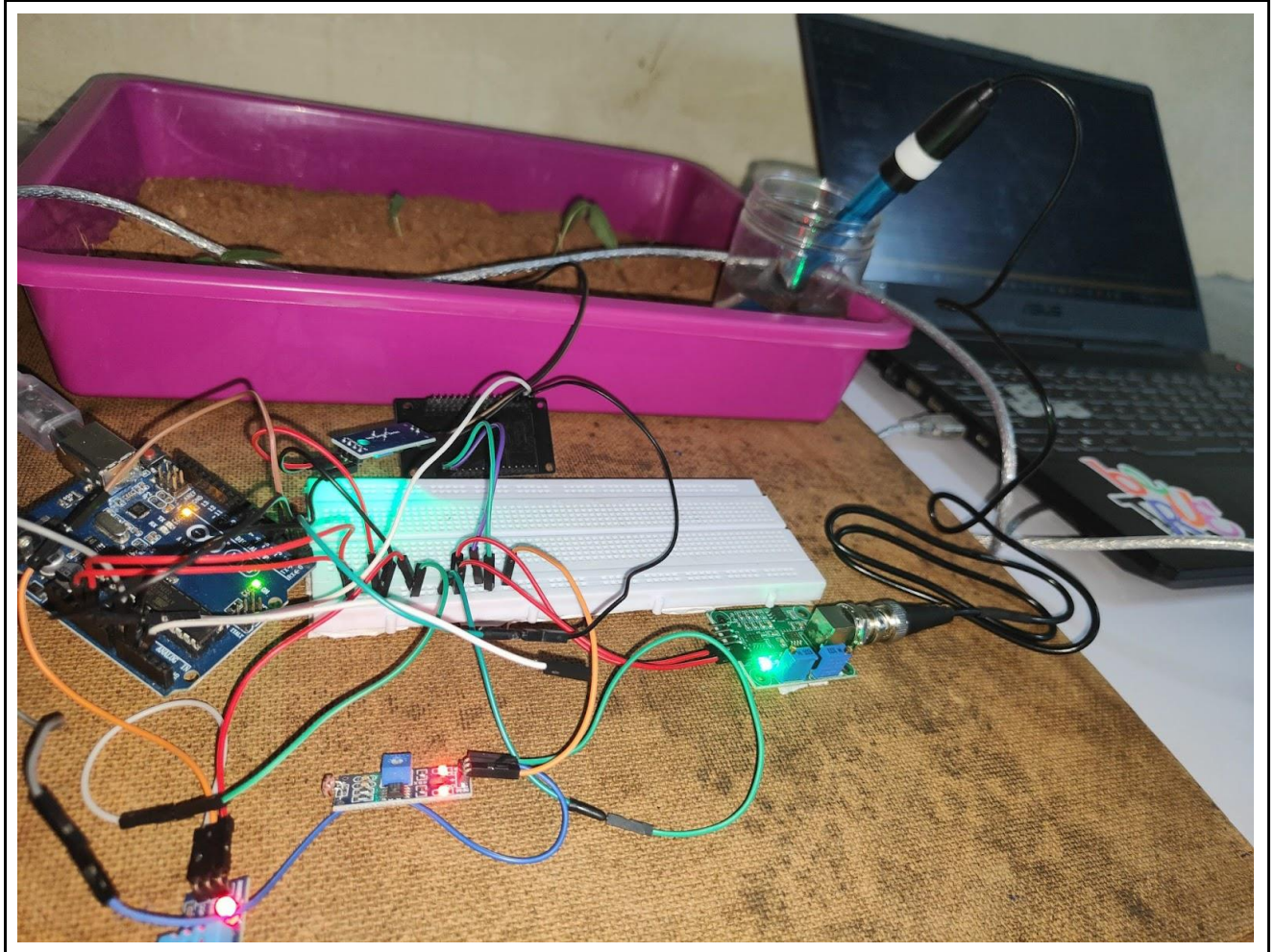


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Video Link :

https://drive.google.com/file/d/1sXM4JDZK1k4BOKWFdl-QEGw2INOrQugT/view?usp=drive_link