



**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**

### 17.2.5 Collaboration with NGOs for SDGs

Collaborating with NGOs to advance the Sustainable Development Goals (SDGs) in a university setting can enhance educational experiences, foster community engagement, and create impactful projects.

Design courses that involve students in NGO-led projects, providing practical experience while contributing to SDG initiatives.

#### **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)

Awareness Program on Sericulture Employment Opportunities

[https://docs.google.com/document/d/1VnciA1Nb2rvsJH8xfHigneZK8o\\_hz\\_Sy/edit?usp=drive\\_link&oid=113938024005760959391&rtpof=true&sd=true](https://docs.google.com/document/d/1VnciA1Nb2rvsJH8xfHigneZK8o_hz_Sy/edit?usp=drive_link&oid=113938024005760959391&rtpof=true&sd=true)

Training on Mulberry Cultivation

[https://docs.google.com/document/d/1r\\_IOIQGuOqdUh8IzkBvhGOISZJio40/edit?usp=drive\\_link&oid=113938024005760959391&rtpof=true&sd=true](https://docs.google.com/document/d/1r_IOIQGuOqdUh8IzkBvhGOISZJio40/edit?usp=drive_link&oid=113938024005760959391&rtpof=true&sd=true)



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Awareness Program on Diabetes mellitus

[https://docs.google.com/document/d/1irRlk6Y2nfg7lq\\_71JnaoClpEtF1ZV5E/edit?usp=drive\\_link&ouid=113938024005760959391&rtpof=true&sd=true](https://docs.google.com/document/d/1irRlk6Y2nfg7lq_71JnaoClpEtF1ZV5E/edit?usp=drive_link&ouid=113938024005760959391&rtpof=true&sd=true)

Training programs conducted in association with STI Hub

[https://drive.google.com/drive/folders/1KHYFKSHZi0xjsLON4F8gBfefzqzdjYyJ?usp=drive\\_link](https://drive.google.com/drive/folders/1KHYFKSHZi0xjsLON4F8gBfefzqzdjYyJ?usp=drive_link)

Workshop on "Teachers for Tigers"

[https://drive.google.com/file/d/1ete-bbnFtby6RuI5c328kitG2N\\_VWwQB/view?usp=drive\\_link](https://drive.google.com/file/d/1ete-bbnFtby6RuI5c328kitG2N_VWwQB/view?usp=drive_link)

### **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
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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
Farmers	Crop Disease Detection and Predict Pesticides	6	3 months



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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



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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





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