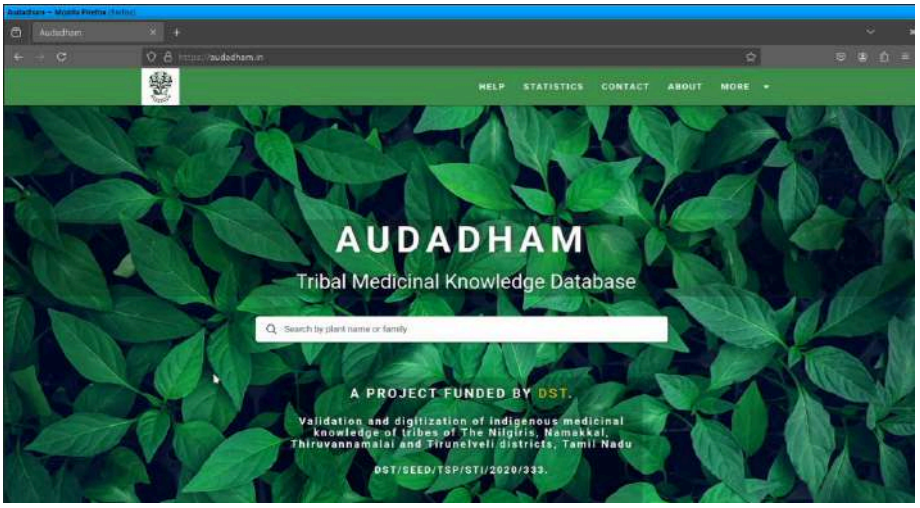
1. **Validation and digitization of indigenous medicinal knowledge of the tribes of selected districts in Tamil Nadu (DST/SEED/TSP/STI/2020/333)**

   Principal Investigator: Dr. P. Deepalakshmi, Professor, SOC, KARE

   A web application titled 'Audadham' was created and launched at https://audadham.in to safeguard ethnomedicinal knowledge meticulously compiled from the tribal communities of South India's Nilgiris, Tirunelveli, Namakkal, and Thiruvannamalai districts. The platform showcases over 8,870 medicinal plant species, sourced from more than 2,700 plants across 544 distinct locations in Tamil Nadu. On 4th July 2024, an entrepreneurship development program was organized at the Kani tribal settlements of Chinnamayilaru and Periyamailaru in Tirunelveli district, focusing on sustainable cultivation and value addition of medicinal and aromatic plants traditionally used by the Kani tribes. Dr. Alok Kalra and Dr. V. Sundaresan, scientists from CSIR-CIMAP, conducted an interactive session with the tribal community directly in their fields, demonstrating practical techniques for sustainable farming and value addition of these plants. A total of 22 tribal families benefited from this initiative.

   Earlier, on 16th June 2024, educational material kits comprising notebooks, guides, school bags, writing materials, water bottles, and umbrellas were distributed to 58 Kani children at Chinnamayilaru with financial support from the Sant Sanganeria Foundation for Health and Education, New Delhi. This educational support program has been successfully conducted for two consecutive years, 2023 and 2024, reflecting sustained efforts toward the holistic development of the Kani community.



A web application titled 'Audadham' was created and launched

Distribution of Educational Materials to 58 Kani children at Chinnamayilaru

2. **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-11011/3/2021-IRD (SC)-DSIR).

Principal Investigator: Dr.L. Muthulakshmi, Associate Professor, Biotechnology, KARE

The objective of this project work is to develop a cluster-scale sustainable sericulture training for women empowerment. The specific objectives mainly focused for the benefits of women's society. In Tamil Nadu around 25237 farmers are rearing silkworms, cultivating around 49,716 acres of mulberry and this gives employment to 2,32,850 persons. There are 38 private chawki rearing centers (CRCs) and 100 micro CRS are there in TN for supplying 2nd instar larvae to the silkworm rearing farmers, 1096 private silk reeling devices are functioning in the state and they procure the cocoons from farmers through government cocoon markets (tnsericulture.gov.in). This project mainly focused in DSIR allotted villages including Achanthavilthan, Inamkarisalkulam, Pillaiyarkulam, Malli, Nakkamangalam Iyyankollankondan, Chokkanathanputtur, Kilavikulam, Sankaralingapuram, Kottaipatti, Nalli, Naranapuram, Muthusamipuram Sundrapandiam, Kadaneri, Sevalur from Virudhunagar, Tamil Nadu. The project inaugurated by scientist from DSIR-TDPUW scheme, member secretary, central and state government silk board members. The project started with creating awareness on sericulture technologies in DSIR allotted villages, and further identified the women farmers are registered for training based on their land availability and interest to learn the sericulture related technologies. Total 150 women trained by 7 training programmes in various training modules. The selected women farmers are trained in various specified techniques including Land preparation, (ii) Soil Sampling,(iii) Plantation method, (iv) Mulberry Variety, (v)irrigation (vi) Pruning and Propagation method (vii) Irrigation and manure, fertilization (viii) Harvesting and Storage of Mulberry Leaves. Further the participants are visited cocoon rearing and silk processing units in nearby areas. Along this women from self help groups are involved in pupae processing and value addition to by products in sericulture waste. The experts from agriculture departments at Kalasalingam Academy of research and education demonstrated young age silkworm rearing and silk worm seed production. The resource persons are arranged from central silk board, TamilNadu sericulture unit, and also experts from industry. The conducted training gave great emphasis on exploring new kinds of job opportunities to women empowerment and rural development also reduce the waste disposal into the environment via sericulture industry.

Awareness Program

Mulberry Training

ustry

Silk cocoon seed production and maintainace

3. **Establishment of STI hub for production of ecofriendly and economical products to improve the socio-economic status of SC population in Srivilliputhur block, Virudhunagar District, Tamil Nadu State**

The project has four interventions, to produce eco-friendly and economical products: Agriculture, Geopolymer, Composite, and Textile technology. The proposed technologies can use the natural resources available in and around the block. For example, the proposed Geopolymer technology can make use of the waste material BMWA, which is produced in large quantities in an incineration unit. The BMWA can be effectively and economically used as a source material in the production of Geopolymer products. The proposed agricultural technology can use microbial wood ash as a fertilizer, where wood ash is a waste material available in plenty in the block itself. Even the farmers holding small agricultural lands can use this microbial wood ash for the economical production of food products. The proposed textile technology can use the natural resources of bamboo and plantain to extract fibers that will blend with cotton, and the crops are cultivated throughout the year. The proposed composite technology can also use the naturally available bamboo and plantain fibre which are blended with bio-resins to produce polymer-free products. The target community can produce eco-friendly and economical products on their own and sell them to the local market through STI Hub to sustain and promote their livelihood. The involvement of the target community, creating awareness of an eco-friendly environment, and utilization of local and natural resources for economical product production for sustained income generation will be the major goals of the project. The products were developed based on research outputs on respective interventions and training programs were organized for beneficiaries on Agriculture, Geopolymer, and Textile and Composite Interventions. There were five training programs conducted on Agriculture intervention on "Low-Cost Dynamic Substrate Production by Using Wood Ash for Mass Multiplication of Microbes" for 250 beneficiaries. Five training programs were conducted on Geopolymer Intervention on "Production of Eco Friendly and Economical Geopolymer-based Products" for 250 beneficiaries. Five training programs were conducted for Textile Intervention on "Production of Banana and Bamboo Based Economical and Eco-friendly Textile Products" 250 beneficiaries were trained. Five training programs were conducted for composite Intervention on "Production of Eco-friendly and Economical Bamboo-based Composite Products" 250 beneficiaries were trained. In all, Twenty Training programs were conducted for 1000 beneficiaries (718-Female; 282-Male) Srivilliputhur block of Virudhunagar District. Field workers of each intervention visited villages of the target (Srivilliputhur) block to interact with the beneficiaries to create awareness and make them participate in the training programs, recorded the pre-and post-intervention outcomes as 30% of crop productivity improved, and overall, 20% Increase in household income due to project interventions. Apart from daily Wage and farming activities. The beneficiaries developed the products to be marketed. The DST STI hub project successful training programs aimed at fostering entrepreneurial skills and knowledge among individuals, ultimately empowering them to become successful entrepreneurs.

The project's holistic training approach would have covered all aspects of entrepreneurship, including business planning, market analysis, financial management, and leadership development. The results of these training programs are expected to positively impact the career prospects of the participants, with many going on to start their businesses or contribute to the growth and development of existing ones.

4. **Project Title: Non-Invasive Sonometer along with clinically practiced DEXA images for Estimating Bone Mineral Density for Osteoporosis detection in elderly women**

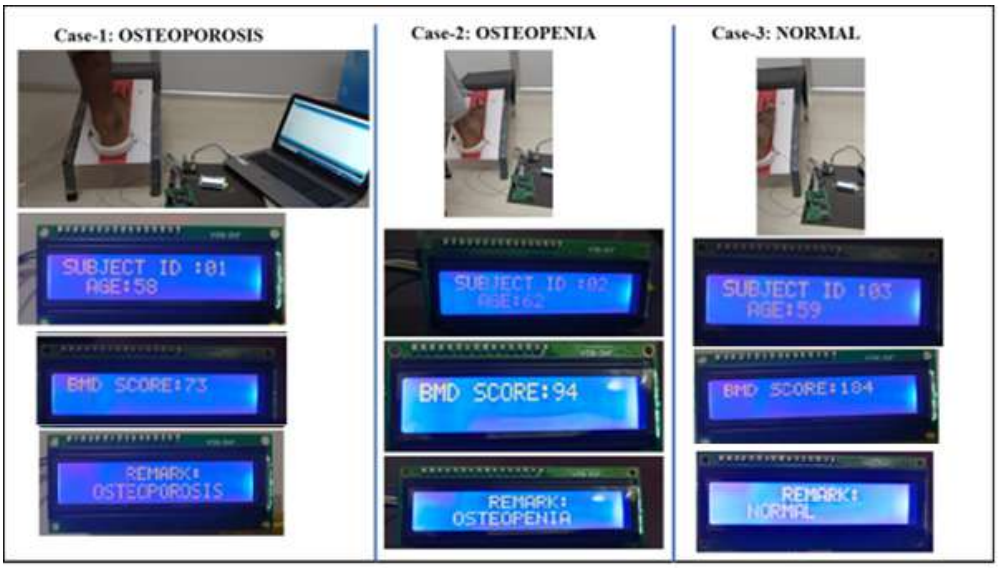
Project Description:

The Ultrasound Bone Densitometer is a non-invasive diagnostic tool designed to assess bone mineral density (BMD) using high-frequency sound waves. Unlike traditional X-ray-based densitometry, this technology offers a radiation-free alternative for evaluating bone health, particularly in the early detection of Osteoporosis (OP) and other bone-related conditions. The device operates by measuring the speed of sound (SOS) and broadband ultrasound attenuation (BUA) as they pass through bone tissue, providing a quantitative assessment of bone quality. This method is especially advantageous in clinical settings due to its portability, ease of use, and cost-effectiveness. It is suitable for a wide range of patient populations, including those for whom exposure to ionizing radiation is a concern, such as pregnant women and children. The Ultrasound Bone Densitometer is also beneficial for ongoing monitoring of bone health, as it allows for frequent assessments without the risk of cumulative radiation exposure.

The technology would benefit the masses in having a proper preamble regarding the onset of bone damage inflicted through OA and OP. Ready-to-use, complex free, cost-effective and versatileness are the motto behind the device development and the rudimentary of the device has its base from this philosophy. The doctors too could have their hands on the device and

use at their hospitals before exposing the patients to harmful ionization radiations, as the patients are already in the state of bone frailness. The doctors could also contemplate well through the medical image analysis proffered by the computational algorithm developed and can have an instantaneous therapy solution delivered to the ailing elders (more specific for the target population), thus alleviating further complications and maintaining the homeostasis of the body.

The available BMD devices are expensive that ranges between Rs.6,00,000 to Rs.9,00,000 lakhs. The BMD could be measured at limited measurement sites only. Several types of Ultrasound Bone Densitometers are designed to measure BMD at different anatomical sites. Each type of device targets specific regions of the body. The embodiment of the invention focuses on a novel, non-invasive Mono-Channeled Sonometer (MCS) designed to predict Bone Mineral Density (BMD) and facilitate the early detection of osteoporosis, particularly in elderly women. This invention integrates several key features aimed at improving usability, accessibility, and effectiveness in clinical and non-clinical settings.



Protype designed to Calculate the BMD Values

5. Demonstration and popularization of Science and Technology through science exhibition and e-demonstrations in Madurai, Theni, Tenkasi districts of Tamilnadu

In spite of the fact that there has been a great deal of progress in the area of science and technology a few regions are still distant from the reach of such opportunities. Thus, keeping in view, there is an urgent need to make awareness about science and technology among these masses. This can be accomplished with firm assurance to reach and take an attempt at such places for the social advantage. Science popularization programs go about as a start in such circumstance.

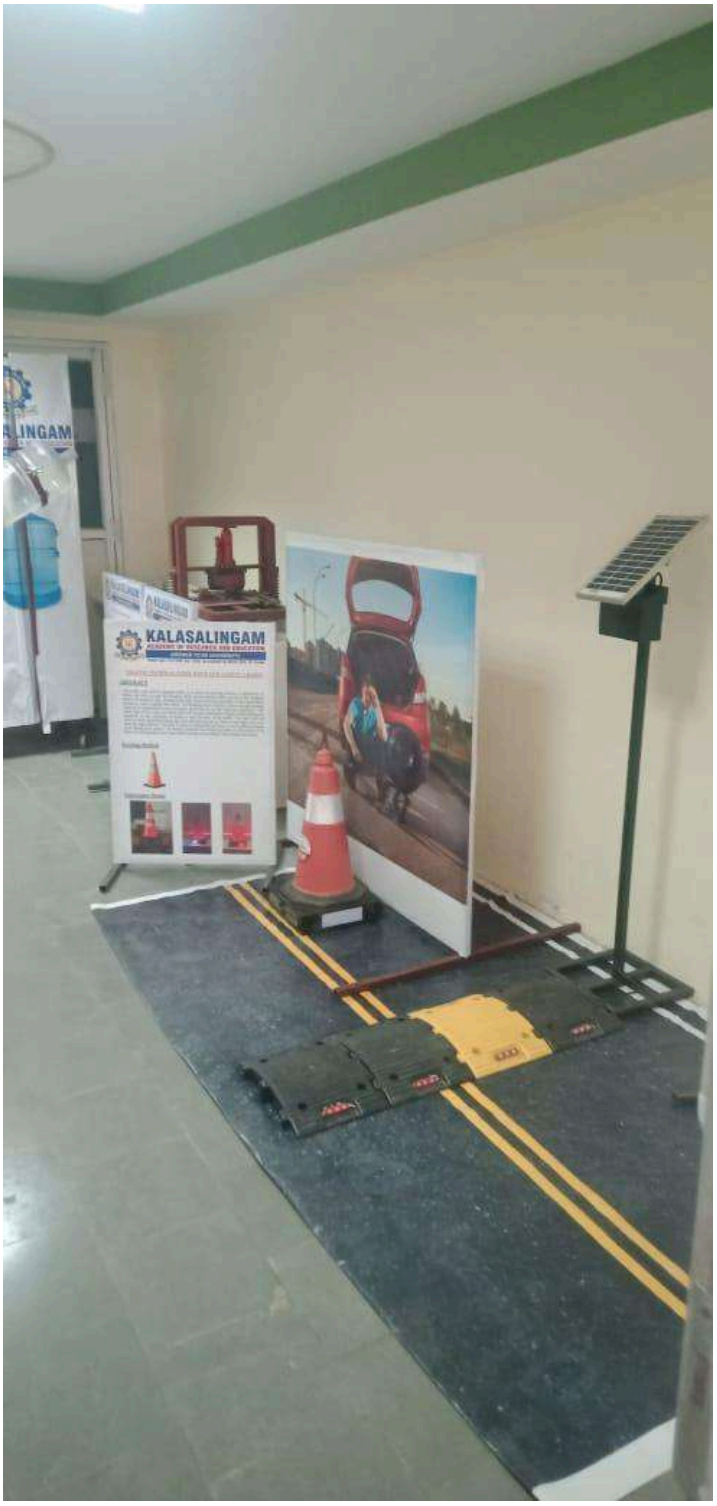
Kalasalingam Academy of Research and Education (KARE) organized a science exhibition program on our University premises, which is Catalyzed and Supported by National Council for Science and Technology Communication, DST, Government of India, New Delhi from 22nd August 2022 to 1st September 2022. Thiru. Sivarajah Ramanathan, Mission Director and CEO of Tamilnadu Startup and Innovation Mission (Government of Tamilnadu Undertaking) was the chief guest for the program. The program started with prayer at 9:00 am. The Vice-President, Registrar, Chief Guest and faculty members were present at the exhibition. The chief guest inaugurated and opened the exhibition hall. He interacted with the

students and motivated the students for their involvement in doing such projects. Students from various streams participated in the event and the exhibition was open to students from other schools as well schools among Madurai, Theni, Thenkasi districts of Tamilnadu. Students presented different types of models which were related to different branches of science like Environmental pollution, Smart City, Energy conservation, Robots, Space and satellites, DC motors, transformers, Solar energy devices, Human organ models and some technology models etc. The students at the exhibition actively participated in the program and clarified their doubts about experiment in the event. The students also participated in the quiz and debate organized in different locations. Prizes and certificates were distributed to the winners of the events.

40 schools from the districts of Madurai Theni and Tenkasi districts of Tamilnadu participated in this event. More than 100 projects were displayed in this science exhibition. Most of the schools are with rural background and popularization of science and technology is more important due to the lack of facilities in these area. Consultation has been done with some of the school HMs. They also encouraged to have an application that can retain, teach and make students participate in learning science and technology. This not only helps the students but also the teachers to participate in content design and self-learning.

Students were enthusiastically participating in the event and engaged for a long time with the exhibits that shows their interest in learning science and technology. Students started showing more interest in doing such innovative ideas and they are very much eager to participate in such kind of exhibitions in future with their innovations. There was a few requests from the students to arrange some innovative ideas on agriculture process and products in future exhibitions.

Most of the students from the target districts come from economically weak category. Just the theoretical exposure they get from the schools is not sufficient to make them as good innovators. To make them understand the science and technology through real experiments and projects, different science and technology projects are showcased to the students. These really gave a good awareness and encouragement to the students. Their interest in doing such experiments and participating in future events shows the reach of the program among students. Their communication with the friends and family members about the program and technology will further spread the science and technology in the community.



Project Exhibit – Road Safety System using sensors

School students interacting with exhibition

School students interacting with exhibition

6. **Gearing Up for The Future – Awareness and Hands-on Learning Experience for the School Children in the Area of IoT and its associated Open-Source Software using Arduino Kits for the Region of Madurai and Theni Districts of Tamilnadu**

The thematic genesis of this project encourage the next generation of scientists, this outreach program collaborates with schools. Because of the quick pace of development, technology is rapidly evolving. The ability to improve future generations of technology becomes faster and more efficient with each technological upgrade. To put it another way when technology improves, it may help to create and produce more advanced versions of it. As a result, it is critical to teach our younger generations about the value of these early in their careers. With the present technological boom, new gadgets are released on a daily basis, making it difficult

to keep up with the latest trends. As a result, skill growth in this field is unavoidable. The Children Centric Outreach Program (CCORP) provides children with a comprehensive grasp of their surroundings. It will enable students to explore and find solutions to our problems, which will aid in the development of critical thinking skills. The applications of knowledge boost problem- solving capacities by combining knowledge of engineering science and numerous associated fields. The primary necessity for any nation's progress is the improvement of its educational system. Consequently, in this capable community, we must teach our younger generations how to solve problems effectively.

To achieve these goals, initially Schools in the districts of Madurai and Theni were surveyed to learn about their facilities and resources for skill development and practical thinking. A survey was conducted to determine the degree of 8th, 9th, and 10th students' knowledge in various areas as well as current technology features in order to identify the topics that require training. Then with the help of Steering Committee, subjects for skill-building training using an IoT are determined based on the Gap Analysis Report. Based on this skill building program outcomes were assessed before and after the hands on training. As a result, the hands on training using an IoT impact on the growth of 8th, 9th, and 10th students' technological knowledge were projected. This skill-building program develops the growth of student’s technological knowledge using an IoT. This Program will develop successful functional models and science and technology software in the form of manuals and kits. Students showed a strong interest in learning science and technology using an IoT by participating in the event with enthusiasm and spending a lot of time to learn the concepts. Students have become more interested in implementing such creative ideas and are keen to take part in an exhibition in the future that in-corporate their inventions.

The majority of students in the target districts are from families with modest incomes. It takes more than just the theoretical education students receive in school to develop them into capable innovators. For them to comprehend science and technology by using an IoT means of actual experiments and initiatives, students are shown a variety of scientific and technology projects. These truly raised the pupils' consciousness and provided them with encouragement. Their desire to take part in next events and do similar models demonstrates how widely the program is accepted by students. They will further disseminate science and technology in the community by sharing information about the program and technologies with their friends and family.

Schools in the districts of Madurai and Theni 8th, 9th, and 10th students were,

i) Understand the thinking level in the Science and Technology in IoT domain.
ii) Improved the self-confidence and managerial skills among the school students.
iii) Increase the technological thirst in young minds to work on the IoT domains.
iv) Created self-learning and scaffolding among the school students.

Project Exhibit by School Students

Project Exhibit by School Students

7. **Hands-on activities by using low-cost teaching aid in Science and Mathematics at rural schools in Virudhunagar district, TamilNadu**

The thematic genesis of this initiative addresses the pressing need in rural schools in Virudhunagar, where limited resources and a lack of interactive teaching aids pose significant challenges. The primary objective of the program is to enhance science and mathematics education through hands-on activities that utilize affordable, locally sourced teaching aids. The rationale behind this approach is that practical, low-cost aids can significantly improve students' understanding and retention of concepts, thereby addressing educational gaps in underserved areas.

To achieve these goals, the overall approach involves several key steps. First, a needs assessment will be conducted to identify the specific challenges and resource gaps faced by rural schools. Based on this assessment, affordable and effective teaching aids will be developed using locally available materials. Teachers will then receive training on how to effectively use and integrate these aids into their teaching practices. Following the development and training phases, the teaching aids will be distributed to schools, with ongoing support provided to ensure their effective use in the classroom. The impact of these aids on learning outcomes will be monitored, and feedback will be collected to make necessary improvements. Finally, successful results will be documented to facilitate the replication of the project in other rural areas, ensuring long-term sustainability and broader impact.

Objectives of the Project

- To make teachers in rural schools recognize the importance and the role of ICT as a low-cost tool for effective teaching of science and mathematical concepts by introducing and training them to use low-cost teaching materials
- To promote low-cost and no-cost teaching aids to rural teachers and students
- To bring science and mathematics near to students and create their interest in science and mathematics subjects through this workshop
- To enhance teachers' pedagogical skills by integrating low-cost and no-cost teaching aids into their existing curriculum
- To increase students' hands-on learning experiences and practical application of science and mathematics concepts
- To develop and distribute a comprehensive guide on the creation and use of low-cost teaching aids tailored for rural schools

The project consisted of four workshops aimed at enhancing science and mathematics education in rural Virudhunagar District through low-cost teaching aids. The first workshop took place on October 12-13, 2023, with 324 participants; the second on November 16-17, 2023, with 312 participants; the third on December 14-15, 2023, with 347 participants; and the fourth on January 11-12, 2024, with 311 participants. A total of 27 experts from academia and industry contributed to these events, benefiting 1,142 students and 152 teachers. The use of simple materials and hands-on activities has effectively enhanced student engagement and understanding.

Interactive Science and Mathematics Activities Using Affordable Teaching Aids at Rural Schools in Virudhunagar District – Student Model Making

Hands-On Activities Using Low-Cost Teaching Aids in Science and Mathematics at Rural Schools in Virudhunagar District – Model Making by school Students

8. Career Perception of SC/ST students in Institutions of Higher Learning Planning

Kalasalingam Academy of Research and Education (KARE) has established a center of "AICTE sponsored Skill and Personality Development Program Center (SPDC) for SC / ST students". Academic year 2020-2021 training started from the month of August 2020. For the first-year (2020-2021) training, 72 students are selected and appointed one faculty for the training. Training comprises with Listening, Reading, Writing and Speaking. As a part of the training, we also conducted Workshop and Guest lectures with internal and external experts to give good exposure to the students. Initially Final year students only selected from

Undergraduate Students and Postgraduate Students from Engineering and Arts & Science stream. We have prepared a Course plan for the 60 hours of training and distributed it to the students during the first day of training. Training sessions are conducted in both online mode and physical mode. Students are actively participated in all the training sessions and interacted with faculty / expert. Students informed that this training is very useful to develop their communication skills and very much helpful for their placement and higher studies too. Students also expressed their happiness gratitude to AICTE and Kalasalingam Academy of Research and Education through their feedback.

Students participating in the Skill and Personality Development Program

9. **Empowerment of the Scheduled Caste Farmers Via 'Polymer Composite Mulch' Technology for Enhanced Yield and Quality of Vegetable Crops for the Aspirational District of Tamil Nadu (DST/SEED/SCSP/2022/262 (G))**

In vegetable crops cultivation, weeds caused 70 to 80% yield reduction. Manual method is commonly practiced to control the weeds in vegetable crops production. Non availability of labour at the right time, hike in wage rate and aberrant weather conditions limit its efficacy and affect the yield of the crop. This becomes the main reason that the farmers hold minimum land space which results in the inability to continue farming and has become daily wage laborers. Chemical weed control is a reliable and simple choice to manage this situation. Also, water scarcity in these regions completely affects the habit of farming. Mulching is the process or practice of covering the soil/ground to make more favourable conditions for plant growth, development and efficient crop production. Plastic mulch application reduces the light penetration into soil thereby making the weeds unable to survive, as in general, weeds cannot survive in this condition. The plastic mulch aids in retention of nutrients within the root zone, permitting more efficient nutrient use by the vegetable crops. Baseline data analysis was done with 750 farmers on polymer composite mulch (PCM) application in crop cultivation in different blocks of Virudhunagar district. Based on the baseline data analysis 40 villages were identified from 6 blocks of Virudhunagar district. Plastic mulch applications in crop cultivation awareness were created among the farmers through pamphlet distribution, conducted awareness camps and circulated farmer friendly videos. Procurement of Machineries (1 Blow Film Extruder, 1 Mulch laying Machine) and Man Power Recruitment (1 Technical & 2 Field Assistants) were completed. Mulch laying machine field testing and demonstration were completed. One common interest group (CIG) was established with 120 farmers teams, 3 self-help groups (SHG), 8 domain experts and 250 beneficiaries. Two training manuals (Polymer composite mulch production and polymer composite mulch application) were prepared and distributed to farmers during the training programme. Agriculture land covered for project interventions is 2.5/25 acre with 10 farmers from 5 different villages. Different types of PM/PCM production (LLDPE, LLDPE/Charcoal, PLA, PLA/Rice Husk) is under progress. Establishment of common facility centre CFC at Ramachandrapuram Village, Watrap block is under progress.

Training/Demonstration: Total participants: 264 (130 male; 134 female)

1. Introduction to Mulching for crop cultivation
2. Polymer Composite Mulch Production (LLDPE and PLA)
3. Plastic Mulching in Crop Cultivation
4. Plastic Mulch Application in Horticultural Crops
5. Polymer Composite Mulch Production (LLDPE/Charcoal, and PLA/Rice Husk)
6. Plastic Mulch Application in Vegetable Crops to Increase Yield and Quality
7. Plastic Mulch Application in Flower Crops to Increase Yield and Quality

Training to Farmers

Use of Product developed in Agricultural field to increase Crop Yield

10. Development of economically feasible constructed wetland technology for treating grey water in a village

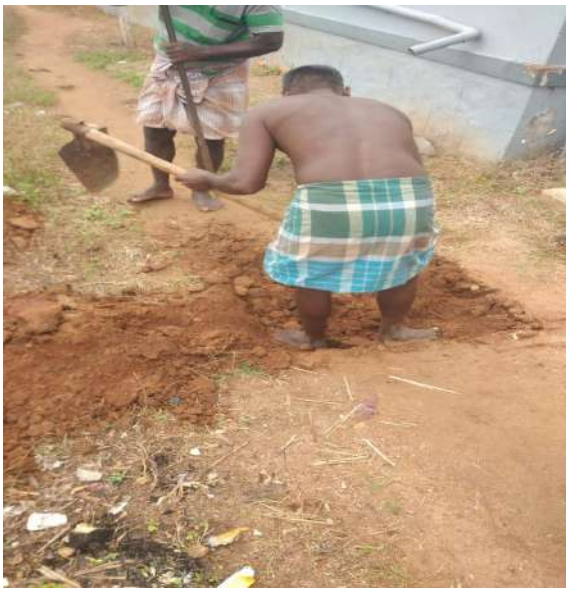
The major portions of sewage are bath room water. Almost 60% of sewage consists of grey water. Sources of grey water include sinks, showers, baths, washing machines or dishwashers. It is a known fact that the concentration of pollutants in grey water is less that other wastewater. In recent past most of the studies are focusing towards sustainable approach in waste management. Constructed wetland is used for treating domestic and municipal wastewater. The constructed wetland is the assemblage of plants microorganism and filter media to support the pollutant removal in wastewater. Using natural solar energy is the main

source for constructed wetland. The Pillayarnatham village is situated in semi arid region and it has enough land area. The ground water table of the village is very deep. So the selection of constructed wetland is a sustainable technique does not affect ground water table also. In this work an attempt is made towards treating grey water by low cost constructed wetland for the village community using locally available plants.

The water quality is tested in the laboratory setup is implemented in the field for a house. Field constructed wetland for treating grey water. Initially gravel and cobbled layers are laid at bottom. Above the layer, combination loamy and red soil is collected near the region and filled in the tank. Canna lily commonly found in this region is collected and planted in the lab scale set up. Constructed wetland is the assemblage of plants, microorganisms and filter media to support the pollutant removal in wastewater. The advantage of constructed wetland is it does not need more energy. The selection of sustainable techniques not only helps the people from various sanitation issues but also it ensures safety to the people. This technique not affects the groundwater table and increases the ground water table.

- Cost Effective waste management strategy and there is no need of electricity
- Soil quality is ascertained using organic manure for the plants
- Public health is improved in the village

Constructed Wetland Technology in the Village




GPS Map Camera
Pillaiyarnatham, Tamil Nadu, India
Unnamed Road, Pillaiyarnatham,
Tamil Nadu 626125, India
Lat 9.551226°
Long 77.657012°
12/11/22 11:45 AM GMT +05:30
Google


GPS Map Camera
Pillaiyarnatham, Tamil Nadu, India
Unnamed Road, Pillaiyarnatham,
Tamil Nadu 626125, India
Lat 9.551261°
Long 77.656599°
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11. Development of low-cost organic manure from food waste for the welfare of the farmers through an effective natural process

In India the production of organic waste is 40% from the total waste generated. Particularly in rural areas, the organic wastes are generated significantly larger compared to inorganic wastes produced. Organic waste primitively consists of food waste, vegetable waste, fruit peels and dry leaves from the home. Unfortunately if wastes are dumped into open areas causes odour problems, mosquito menace, unhygienic situation, green house emission, soil pollution and water pollution.

The pilot scale pedalled composter consist of shredder, pedal, seat, cylindrical composter with the capacity of 500 litre with small holes with uniform spacing for air circulation, inlet for feed, outlet for manure collection and leachate collector.

The waste from the household is fed in the shredder which is connected to the composter to cut the waste into pieces for easy decomposition or organic matter by bacteria/micro organisms. After introducing the waste, the composter is rotated by pedals which are easy for the ladies particularly they can sit in the seat and rotate the waste easily two to three times in a day. The purpose of mixing is to homogenize the waste in the composter. The bin contains aeration holes for effective supply of natural aeration. Outlet is provided for colleting the organic manure from the composter bin. During decomposition, the leachate is produced that can be fed through soil filled at the bottom of the composter.

The main objective of this project proposal is to develop pilot scale pedalled composter for the village community to initiate effective decentralized solid waste management. In the Malli Village, the solid waste is dumped outskirt of the village. It creates odour nuisance, mosquito menace, water and air and soil pollution. Another side the people are using chemical fertilizer for their agricultural field. So in this work an attempt is made to develop organic manure through natural process and utilize for their agricultural field. So the land is protected from disposal of waste and the fertility value of soil is increased. It is direct related to Sustainable development goal number 15

Location of site: Malli Village

Demonstration of the working process of pedaled composter to villagers

Implementation of Pedaled composter in the Village

1. New programme initiatives

The selected new programmes are submitted for approval.

2. Initiative towards social welfare initiatives.

1. REPORT ON MEDIATION AWARENESS PROGRAM

Date: April 9, 2025
Venue: Virudhunagar District Court, Srivilliputhur
Organized by: The Principal District Judge, Virudhunagar District at Srivilliputhur

The students and faculty of KSOL participated in a **Mediation Awareness Program** at the **Srivilliputhur District Court** on April 9, 2025. The event aimed to raise awareness on **mediation as an effective and peaceful method of resolving disputes**.

EVENT HIGHLIGHTS:

Introduction of Mime Concept

The event commenced with an address by **Mrs. R.G. Bharathi**, Head of the Department, KSOL. She introduced the concept of **mime** as a creative medium to convey the importance of mediation and set the stage for the upcoming performance. Her brief yet insightful introduction helped the audience connect with the theme of the programme.

Mime Performance

A **mime performance** was presented by the students, effectively portraying real-life scenarios where mediation could serve as a practical and peaceful solution. The silent yet powerful enactment captured the attention of the audience and emphasized the significance of mediation over litigation.

Awareness Rally and Pamphlet Distribution

Following the performance, an **awareness rally** was held in the areas surrounding the court premises. During the rally, **Mrs. B.S. Nafrin Banu**, Assistant Professor of Law, KSOL, along with her students, actively participated in **distributing pamphlets** to the public. The rally and pamphlet distribution were conducted jointly, aiming to spread awareness about the concept of mediation, its benefits, and the procedure involved. The interaction with the local community during this activity proved to be informative and impactful.

OUTCOME AND IMPACT:

- The mime performance provided a strong visual and emotional representation of mediation's value.
- The rally allowed students to directly interact with the public and share vital information.
- The event fostered a sense of civic responsibility and professional development among students.

CONCLUSION:

The **Mediation Awareness Program at** Virudhunagar District Court, Srivilliputhur was a highly successful initiative that combined education, outreach, and performance. KSOL thanks the **Principal District Judge**, **District Court officials**, faculty, and students for their active participation and support in making this awareness drive impactful and meaningful

2. *REPORT ON LEGAL AWARNESS CAMP*

Date: April 25, 2025

Venue: Krishna Temple, Suraikayappatti, Virudhunagar district.

Organized by: **Department of Law, Kalasalingam Academy of research and education.**

Introduction

A **Legal Awareness Camp** was successfully organized on **25th April 2025** (Friday) by the **Department of Law, Kalasalingam Academy of research and education** at **Krishna Temple, Suraikayappatti**. The objective of this initiative was to raise awareness on legal rights and responsibilities among the public and to encourage students to take pride in the legal profession. The camp saw enthusiastic participation from students, faculty, and local residents.

Event Highlights

1. Address by Mrs. R. G. Bharathi – Head, Department of Law

Mrs. R.G. Bharathi, Head of the Department, KSOL delivered an inspiring speech outlining the **purpose and importance** of the legal awareness camp. She encouraged the students to love and commit to the legal profession, sharing her own journey as an example. Her key message was:

"The more you love this legal field, the more it will love and support you in return." Her speech deeply motivated the students to understand the responsibilities of future legal professionals.

2. Chief Guests Speech by Advocate S. Anakodi

- **Advocate S. Anakodi** shared his valuable insights on the importance of public legal awareness and the role of lawyers in helping people navigate legal issues.
- He stressed the need for legal professionals to engage with the community and assist in making legal processes more accessible.

3. Book Distribution by Advocate S. Anakodi

- In an effort to encourage the students' academic growth, **Advocate S. Anakodi** graciously provided **legal books** to the participating students.
- These books were aimed at enhancing the students' legal knowledge and fostering a deeper interest in the law, serving as valuable resources for their future legal education.

4. Guidance by Dr. K. Rajan, Head of the Tamil Department, Sivakasi Government Arts & Science College

- **Dr. K. Rajan** spoke about the relationship between language, law, and society, highlighting the importance of clear communication in legal practice.
- He also encouraged students to use their legal education to serve and empower the community, underlining the role of legal professionals in fostering social change.

5. Legal Guidance by Mrs. B.S. Nafrin Banu, Assistant Professor of Law, KSOL

- **Mrs. B.S. Nafrin Banu**, Assistant Professor of Law at KSOL, provided practical guidance to the local public on various legal issues they were facing.
- She discussed common legal problems and offered solutions, empowering the residents with knowledge on how to access legal support and resolve their issues effectively.

6. Public Grievances and Legal Counselling

- **Public grievances** were collected from the attendees, and **legal counselling** was provided on-site by the faculty and students.
- This initiative helped bridge the gap between legal professionals and the local community, offering direct support for their legal concerns.

Conclusion

The **Legal Awareness Camp** was a successful and enriching event that helped create a deeper understanding of the law among students and the local public. The initiative provided a platform for sharing knowledge, encouraging community engagement, and strengthening the relationship between law students and the people they serve. The Department of Law at Kalasalingam University reaffirmed its commitment to educating future legal professionals who will play an active role in fostering justice and fairness in society.

3. REPORT ON AWARENESS PROGRAM

Date: April 26, 2025

Event Title: Awareness Programme on "Gender Equity, Gender Equality, and Women's Empowerment, and Prevention of Sexual Harassment of Women in the Workplace.

Venue: Auditorium -Government Medical College, Virudhunagar.

Organized by: The Principal District Judge ,Virudhunagar District, Srivilliputhur

Introduction:

An impactful district-level awareness programme was conducted in Virudhunagar, focusing on the **"Gender Equity, Gender Equality, Women's Empowerment," and "Prevention of Sexual Harassment in the Workplace."** The event aimed to promote a safer, more

equitable environment for women and was inaugurated by key figures from the judiciary and administration, emphasizing the importance of gender equality and legal protections.

Inaugural Session:

The event was graciously **invited by Thiru. K. Jeyakumar, Principal District and Sessions Judge, Virudhunagar District, Srivilliputhur.**

- **Inaugural Address:** The programme was officially inaugurated by **Hon'ble Smt. Justice V. Bhavani Subbaroyan**, Judge, Madras High Court. In her inaugural address, she emphasized the significance of promoting gender equity and equality, acknowledging the long-standing challenges faced by women in various spheres of life, including workplaces.
- **Special Address:** The programme was further enriched by **Hon'ble Thiru. Justice B. Pugalendhi** and **Hon'ble Smt. Justice L. Victoria Gowri**, both Judges of the Madras High Court, they shared their valuable perspectives on ensuring equal opportunities and the importance of legal safeguards against gender-based discrimination and harassment.

Felicitations:

- **Thiru. Dr. V. P. Jeyaseelan, I.A.S., District Collector, Virudhunagar District**, felicitated the event and underscored the government's commitment to advancing women's rights and empowerment through various initiatives and policies.
- **Thiru. D. Kannan, I.P.S., Superintendent of Police, Virudhunagar District**, also delivered a felicitation address, focusing on the role of law enforcement in addressing gender-based violence and ensuring a safer environment for women.

Presentations and Resource Persons:

The core of the event included insightful talks and presentations by esteemed resource persons who shared their knowledge and expertise on gender issues and women’s rights.

1. **Thiru. S. Sivakumar**, Chief Legal Aid Defence Counsel, Madurai, spoke on the legal aspects of gender equality and sexual harassment in the workplace, educating the audience about legal protections and available resources.

2. **Tmt. A. Angel Rani**, Assistant Professor, Tamil Department, Sri Kaliswari College, Sivakasi, addressed cultural and social dimensions of gender equity and empowerment.
3. **Dr. Tmt. C. Sangeetha**, Assistant Professor, Department of Tamil, Kalasalingam Academy of Research and Education, Krishnankovil, highlighted the role of education and awareness in eliminating gender biases and promoting women's rights.
4. **Tmt. S. Manimathavi Sivaganesh**, Writer, Sivakasi, offered insights on the importance of literary and creative expressions in raising awareness and combating stereotypes about women in society.

Cultural Performances:

- **Classical Dance Performance (Bharatanatyam) by College Students from Kalasalingam University:** The event began with a graceful Bharatanatyam performance by students from Kalasalingam University, portraying themes of womanhood, strength, and empowerment. The performance not only entertained but also conveyed powerful messages about the importance of gender equality in a cultural context.
- **Skit by Students from Kalasalingam School of Law:** A thought-provoking skit was presented by students from Kalasalingam School of Law, depicting various scenarios of sexual harassment in the workplace and the legal recourses available to victims. The skit was an engaging way to communicate serious issues, making the audience reflect on the importance of workplace safety and equality.

Vote of Thanks:

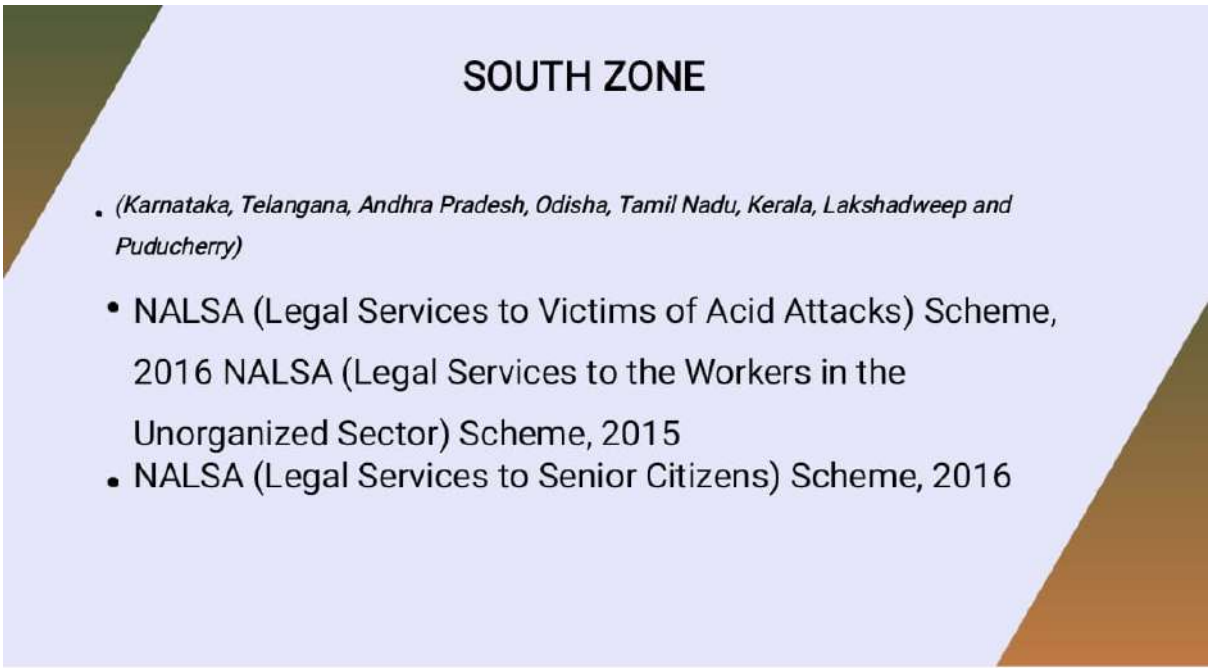
The event concluded with a **Vote of Thanks** by **Thiru. M. Veernan, Chief Judicial Magistrate, Virudhunagar District, Srivilliputtur**, who expressed gratitude to the esteemed dignitaries, resource persons, and attendees for their active participation and support.

Distribution of Textbooks:

In recognition of the students' participation, textbooks were distributed by the judges. This gesture was aimed at encouraging further learning and providing the students with valuable resources for their future academic and professional endeavours.

Conclusion: The awareness programme in Virudhunagar was a great success, sparking important discussions on gender equity, equality, and women's empowerment. The performances, talks, and expert insights highlighted the role of legal frameworks and societal change in creating a safer, more equal environment. We sincerely thank all participants, organizers, and dignitaries for making this event impactful.

4. Initiation towards Good Samaritan-Law and Crime awareness videos.



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Students were motivated to participate in the above reels and short films competition conducted by National legal services authority and steps were taken to promote legal awareness to the public through awareness videos on Good Samaritan guidelines and other laws useful for the society. Even steps were taken to display these videos in the KARE you tube channel and in the display monitor placed in the Honourable District Judge Virudhunagar.