



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

Annual Report – 2022 to 2023

International collaboration data gathering for SDG

International collaboration for data gathering related to the Sustainable Development Goals (SDGs) is an initiative undertaken by the university to enhance global efforts towards sustainability. This project involves partnering with institutions, organizations, and researchers worldwide to collect, analyze, and share data that supports the achievement of the SDGs.

The university facilitates workshops, conferences, and joint research activities that bring together experts from various fields to discuss challenges, methodologies, and best practices. By leveraging technology and networks, students and faculty engage in data collection efforts, focusing on areas such as poverty alleviation, education, health, and environmental sustainability.

This collaborative approach not only enriches the university's research capabilities but also contributes valuable insights to the global discourse on sustainable development, ultimately fostering a more informed and effective response to the SDGs.

Country wise number of research papers published with International Collaborators during the period 2019-2024 (Report generated through SciVal)

Saudi Arabia	274
Malaysia	219
South Korea	155
Thailand	129
United States	124



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China	122
United Kingdom	113
Ethiopia	85
Russian Federation	78

Number of Research Articles with and without Collaboration

Type of collaboration	2019	2020	2021	2022	2023	2024	Overall
International collaboration	195	166	232	328	271	267	1,459
Only national collaboration	209	201	302	413	548	431	2,104
Only institutional collaboration	214	176	309	297	354	215	1,565
Single authorship (no collaboration)	13	14	24	8	10	3	72
Total	631	557	867	1,046	1,183	916	5,200

Countries of the international collaborators and the publication count





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MoU with National / International Collaborative Institutions / Industries





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S.No.	Organization	Country	Date of Partnership
1	GyaN educational services	East Africa	16-Mar-22
2	Livingstone college	USA	02-Apr-22
3	NUNAFAB	Canada	02-Apr-22
4	career Basket Services and Educators Arena	India	10-Mar-22
5	Courtyard By Marriott	India	10-Jun-22
6	Cracow University of Technology, Poland	Poland	Jul-22
7	Push GENI -Russia	Russia	Aug-22
8	Univo Education pvt ltd	India	02-Sep-22
9	Sharada University	India	01-Jul-22
10	RVS Padmavathy College of Horticulture	India	07-Sep-22
11	Kanini Softwares	India	01-Sep-22
12	University of Islam Indonesia	Indonesia	01-Sep-22
13	Kanazawa University in Japan	japan	10-Sep-22
14	KMCH AND AKCP	India	15-Sep-22
15	Hajee Karutha Rowthar Howdia College	India	19-Sep-22
16	Prathista Industries Limited , Hyderabad	India	11-Apr-22
17	Tripura Biotech Limited , Hyderabad	India	11-Apr-22
18	Vaishnavi Biotech International Limited, Hyderabad	India	11-Apr-22
19	Arul Anandar college, Madurai	India	20-Sep-22
20	Pirogov russian National Research Medical University of the Ministry of Health care of The Russian Federation	Russia	10-Nov-22
21	NSE Academy Ltd	India	27-Jun-22
22	Virutsa Consulting Services Private Ltd	India	04-Aug-22
23	Indian BioMedical Skill Council (IBSC)	India	18-Oct-22
24	Group Cyber ID Technology pvt ltd	India	20-Oct-22
25	ICAR -National Research center for banana	India	20-Oct-22
26	Wipro Enterprises (P) Limited	India	05-Dec-22
27	Tamkang University , Taiwan	Taiwan	13-Dec-22
28	MOVATE	India	01-Dec-22
29	Intel corporation and its affiliates	USA	17-Feb-23
30	Indiana University –kokomo, USA	USA	24-Feb-23
31	Kalvi Career Education Private Limited	India	30-Mar-23
32	CITY University of london	United Kingdom	21-Apr-23
33	Noida Institute of Engineering and Technology	India	27-Apr-23



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34	Tunghai University,	Taiwan	23-May-23
35	Asian Institute of Design	India	06-Jun-23
36	NSE Academy Ltd (Fintech Elective Courses)	India	07-Jun-23
37	wheels India limited	India	02-Aug-23
38	INTI Internatioanl University& colleges	Malaysia	01-Jul-23
39	UTAR (Universiti Tunku Abdul Rahman, Malaysia)	Malaysia	15-Aug-23
40	Polyhose India pvt ltd	India	04-Aug-23
41	University of North Carolina Wilmington (UNCW)	USA	20-Jun-23
42	High Energy Batteries (India) Pvt Ltd	India	25-Jul-23
43	Infrastructure University , Kuala Lumpur	Malaysia	08-Aug-23
44	Hutech university of technology	Vietnam	06-Sep-23
45	National Chung Cheng university, (study abroad program Agreement)	Taiwan	29-Sep-23
46	Adamson University	Philippines	07-Nov-23
47	Biliran Provincance state University (BIPSU)	Philippines	08-Nov-23
48	FOSSE CLUB- IIT BOMBAY	India	30-Jun-23
49	Codoid	India	15-Dec-23
50	IBM	India	24-Aug-23
51	FAB C (Dubai)	United Arab Emirates	28-Nov-23
52	National Ilan University	Taiwan	20-Dec-23
53	Skyline University College	Sharjah , UAE	23-Oct-23
54	SFR College for women	India	25-Jul-23
55	Tractor And Farm Equipment Ltd. (TAFEL)	India	26-Aug-23

Number of students went for student exchange program



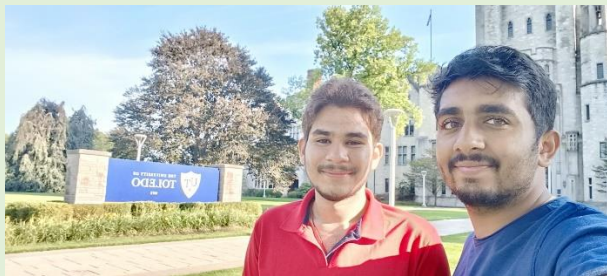
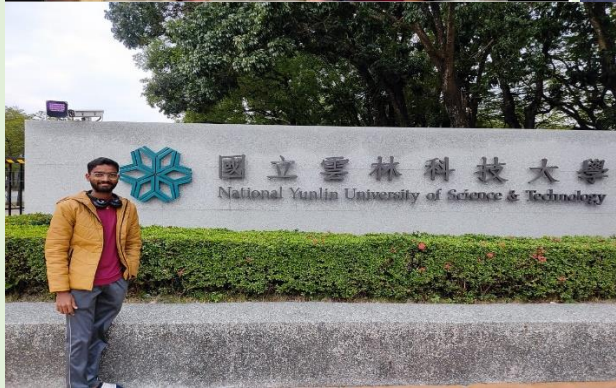


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GPS Map Camera

Calgary, Alberta, Canada
14 Mt Royal Cir SW, Calgary, AB T3E
7N5, Canada
Lat 51.013441° Long -114.133085°
07/06/23 04:29 PM GMT -06:00

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Google





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S. No.	Organization	Country	No. of Students
1	Toledo University	USA	7
2	Mitacs	Canada	1
3	Kanazawa University	Japan	1
4	Asia University	TAIWAN	7
5	National Ilan University	TAIWAN	2
6	National Dong Hwa University	TAIWAN	1
7	Chaoyang University of Technology	TAIWAN	3
8	Tamkang University	TAIWAN	1
	TOTAL		23

Student Details in Student Exchange Program

S.N o.	Name of the Student	Register No.	Organization	Country	DEPT	PROGRAM
1	Sri Harsha	9920004 082	Toledo University	USA	CSE III rd year	2022 (2+2 programe)
2	Bandi Lakshmi Indra Sena Reddy	9921004 070	Asia University	Taiwan	CSE II nd Year	2023 (semester programme)
3	Konduju Gunasri	9921004 356	Asia University	Taiwan	CSE II nd Year	2023 (semester programme)
4	Kathula Hareesh	9921004 332	Asia University	Taiwan	CSE II nd Year	2023 (semester programme)
5	Maram Nikhil	9920009 035	Asia University	Taiwan	Mech III rd YEAR	2023 (semester programme)
6	Valaboju Naveen Chary	9920009 059	Asia University	Taiwan	Mech III rd YEAR	2023 (semester programme)
7	Veerni Mohan Sri Nagendra Vara Kumar	9920009 048	Asia University	Taiwan	Mech III rd YEAR	2023 (semester programme)
8	Kasi Viswanath Nilla	9920004 220	Mitacs	Canada	CSE III rd year	2023(Globalink Research Internship)
9	Jyothi Sri	9921004 1305	Toledo university	USA	CSE III rd year	2023 (2+2 programe)
10	Syamsundar	9921004 489	Toledo university	USA	CSE III rd year	2023 (2+2 programe)
11	Uma Maheswar	9921004 436	Toledo university	USA	CSE III rd year	2023 (2+2 programe)
12	Karanam Sai Sharvan	9921004 1052	Toledo university	USA	CSE III rd year	2023 (2+2 programe)
13	Lakshmi Venkat	9921004 1112	Toledo university	USA	CSE III rd year	2023 (2+2 programe)



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14	Varshita	9921004 362	Toledo university	USA	CSE III rd year	2023 (2+2 programe)
15	Valamudi Venkata Naveen	9920004 731	Tamkang university	Taiwan	CSE III rd year	2023 (semester programe)
16	Raghuram Sankar	9920002 003	National Ilan Univrity	Taiwan	Chemical IV year	2023 (Internship)
17	Pardhiv Manikanda Sai Iprinki	9921005 163	National Dong Hwa University	Taiwan	ECE III rd year	2023 (semester programe)
18	Niraj Rambhau Sumatkar	9920002 010	National Ilan Univrity	Taiwan	Chemical IV year	2023 (Internship)
19	K Tejonath Reddy	9920004 714	Asia University	Taiwan	CSE	2023 Internship (iipp)
20	Shamuruthi	9920004 124	Chaoyang University of Technology	Taiwan	CSE IV YEAR	2023 Internship (iipp)
21	Batchu Shyam Kumar	9920004 4773	Chaoyang University of Technology	Taiwan	CSE IV YEAR	2023 Internship (iipp)
22	Tavva Amruth Chenchu Rajesh	9920004 133	Chaoyang University of Technology	Taiwan	CSE IV YEAR	2023 Internship (iipp)
23	Ahmad Mohiuddin	9920004 716	Kanazawa University	Japan	CSE	2023 Internship

Students in 2+2 Program

Sno	Name	Home Dept	Abroad University	Country
1	Syamsundar	CSE	Toledo university	USA
2	Uma maheswar	CSE	Toledo university	USA
3	Karanam Sai Sharvan	CSE	Toledo university	USA
4	Lakshmi Venkat	CSE	Toledo university	USA
5	Varshita	CSE	Toledo university	USA
6	Jothi Sri	CSE	Toledo university	USA
7	Alan John	MBA	Indiana University	USA
8	Narisetty Sanjay	CSE	Toledo university	USA
9	Chekka Sai Krishna	CSE	Toledo university	USA
10	Unnam Nawya	CSE	Toledo university	USA



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Professors from International Institutions visited KARE

Listed below are the few professors visited KARE campus



Ramjee Prasad
Aarhus University
Denmark



Peter Lindgren
CTIF GLOBAL CAPSULE
Denmark



**Kishore Kumar
Thakur**
CTIF GLOBAL CAPSULE
Denmark



Alben Mihovska
CTIF GLOBAL CAPSULE
Denmark

International Professors delivered lectures at KARE





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

Training on Quality Cocoon Production and Making Cocoon Handy Crafts





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Awareness Program on Diabetes mellitus






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 **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




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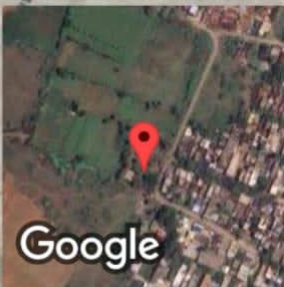
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 **GPS Map Camera**



Google

S Ramachandrapuram, Tamil Nadu, India
JM3F+9JF, S Ramachandrapuram, Tamil Nadu 626126, India
Lat 9.603478°
Long 77.674021°
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Mulberry Cultivation



Sericulture Employment Opportunities





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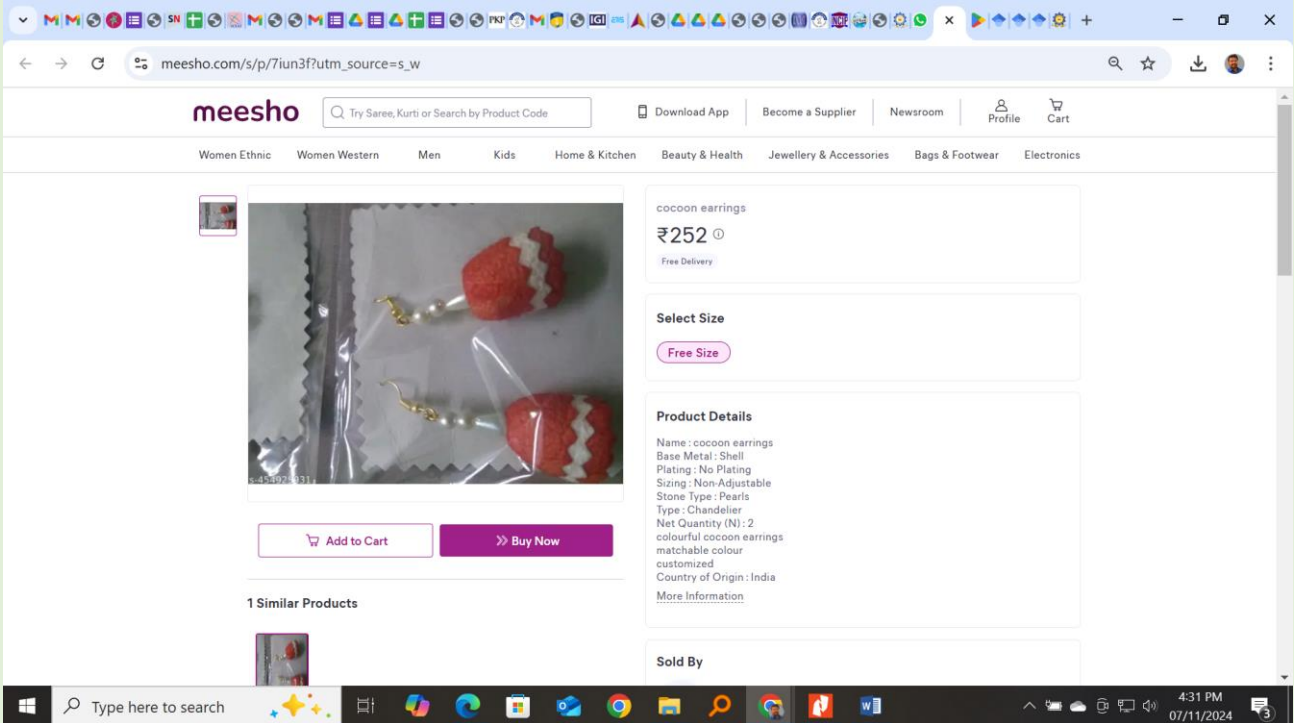
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Handcraft products prepared by the community people is now available in online shopping mart "meesho"





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Newspaper clipping on training provided to community people

கலசலிங்கம் பல்கலையில் மகளிர் மேம்பாட்டு திறன் பயிற்சி



சங்கரன்கோவில், ஜூலை 16-

ஸ்ரீவில்லிபுத்தூர் கலசலிங்கம் பல்கலையில், புதுடில்லி, அறிவியல் மற்றும் தொழிற்சாலை ஆராய்ச்சி நிறுவனம் சார்பில் மூன்று நாள், "மகளிர் மேம்பாட்டு திறன் கயதொழில்" பயிற்சி "வேந்தர் முனைவர் கே.ஸ்ரீதரன் தலைமையில் நடைபெற்றது. துணைவேந்தர் எஸ். நாராயணன், பதிவாளர் வி.வாசுதேவன் முன்னிலை வகித்தனர். நாகர்கோவில், தமிழ்நாடு பட்டு வளர்ச்சி துறை இளைநிலை

ஆய்வாளர், சசித்ரா சிறப்பு விருந்தினராக கலந்துகொண்டு பயிற்சிகளை துவக்கி வைத்தார்.

அறிவியல் மற்றும் தொழிற்சாலை ஆராய்ச்சி நிறுவன புராஜக்ட் திட்ட முத்தன்மை ஆய்வாளர், பியோடெக்னாலஜி, பேராசிரியர் எல்.முத்துலட்சுமி பயிற்சியை வழக்கி 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 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.வாசுதேவன் முன்னிலை வகித்தனர். ஏசுரிஜசிகேஜைப் தலைமை அதிகாரி மி.சுபத்ரா மாடிக்கு சென்று அனைவருக்கும் மாடித்தோட்டம் அமைப்பு பற்றி பயிற்சி வழங்கினார். விருதுநகர் மாவட்ட மகளிர்கள் 40 பேர் கலந்துகொண்டனர். மகளிர் மேம்பாட்டு குழு தலைவி பேராசிரியை எம்.கல்பனா வரவேற்றார். பேராசிரியைகள் செல்வராணி, முத்து லட்சுமி சிறப்பாக ஏற்பாடு செய்திருந்தனர். பேராசிரியை சங்கீதா நன்றி கூறினார்.

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 எல்.முத்துலட்சுமி முகாமை சிறப்பாக ஏற்பாடு செய்திருந்தார்.



a G.O., ere al- of stu- section /schools percent- ment sta- ment res- for ce 50% /achers a medi- fixed sidered by the

Srivilliputhur Kalasalingam University, New Delhi A Three-day "Women Development Skills Self-Employment Training" was held under the leadership of Vice-Chancellor Dr. K. Sreenivasan on behalf of Institute of Scientific and Industrial Research. Vice Chancellor S. Kurayyan, Registrar V. Vasudhavan president, Nagercoil, Tamil Nadu Silk Development Department and/or Inspector, S. Chitra participated as special guest and inaugurated the training. Institute of Scientific and Industrial Research Project Principal Investigator, Biotechnology Professor L. Muthulakshmi has given the training and organized it well. 40 women of Virudhunagar District Self Help Committee participated in the training and benefited.



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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".



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.

Analysis of Traffic Management System using YOLOv8
Publisher: IEEE | Cite This | PDF | 156 Full Text Views

Kanatakalan Anantha, R. Sunanth, Kanabegala Venaja, K V S N Sai Kiran, Kapa Bhavana, Karanam Sai Sharan, All Authors

Abstract
The identification of traffic violations plays a pivotal role in contemporary efforts to manage traffic effectively and enhance safety on the roads. Traffic violation detection holds immense significance due to its profound influence on road safety, traffic control, and the overall welfare of communities. It plays a pivotal role in monitoring those that are both sustainable and adaptable, ultimately guaranteeing an enhanced quality of life for both the inhabitants and guests. The proposed model elevates traffic enforcement and surveillance through its capability to ascertain the volume of vehicles traversing a road simultaneously by affixing a laser denoting the vehicle's count and its category. Furthermore, it discerns instances of vehicles breaching red traffic signals, meticulously logging the vehicles' count number, thereby streamlining the process of accessing comprehensive vehicle information. Our model detects the multiple vehicles at a time which violates the rules and yields 97% classification accuracy.

Published in: 2023 2nd International Conference on Automation, Computing and Renewable Systems (ICACRS)

Authors: Kanatakalan Anantha, R. Sunanth, Kanabegala Venaja, K V S N Sai Kiran, Kapa Bhavana, Karanam Sai Sharan, All Authors

Date of Conference: 11-13 December 2023
Date Added to IEEE Xplore: 26 January 2024
Publisher: IEEE
DOI: 10.1109/ICACRS56079.2023.10400118
Conference Location: Pudukottai, India

Keywords: I. Introduction
The significance of traffic management and surveillance in growing rapidly with implications for urban development and public safety. To avoid accidents and ensure a smooth flow of traffic, traffic regulations must be efficiently monitored and enforced. Amidst the backdrop of

Plant Monitoring System Cum Smart Irrigation using Bolt IOT
Publisher: IEEE | Cite This | PDF | 238 Full Text Views

Thiruvaidyan Hanumanth, Nani Venka Venkata Satya Narsayana Swamy, Patilpadichu Govindan, R. Sunanth, P. Chennayya, A. Karthika, All Authors

Abstract
Plant monitoring system is one of the most important tasks in any farming or agriculture-based environment which helps the farmers for irrigation. An automated IOT based water system for monitoring and maintaining the farms in approximate moisture content is soil based on temperature, moisture, humidity and light intensity. They can record the temperature values daily. Farmers can know which farm will suit that particular land based on their sensor values analysis. The main goal of this automation is to aid the farmer yielding more crops, optimal use of water supply (some areas have drought lands, they can use this future very efficiently), decision of crop. Our automated IOT based water supply provides efficient resource utilization and yields high accuracy in temperature with existing Arduino Uno, Chassis & reduces economic cost and human intervention.

Published in: 2022 International Conference on Computer Communication and Informatics (ICCCI)

Authors: Thiruvaidyan Hanumanth, Nani Venka Venkata Satya Narsayana Swamy, Patilpadichu Govindan, R. Sunanth, P. Chennayya, A. Karthika, All Authors

Date of Conference: 25-27 January 2022
Date Added to IEEE Xplore: 31 March 2022
Publisher: IEEE
DOI: 10.1109/ICCCI54379.2022.9741003
Conference Location: Coimbatore, India

Keywords: A. Introduction
Agriculture dependent demand of more. So many plants that must be planted, many hectares of the farm to be built for the daily needs of the



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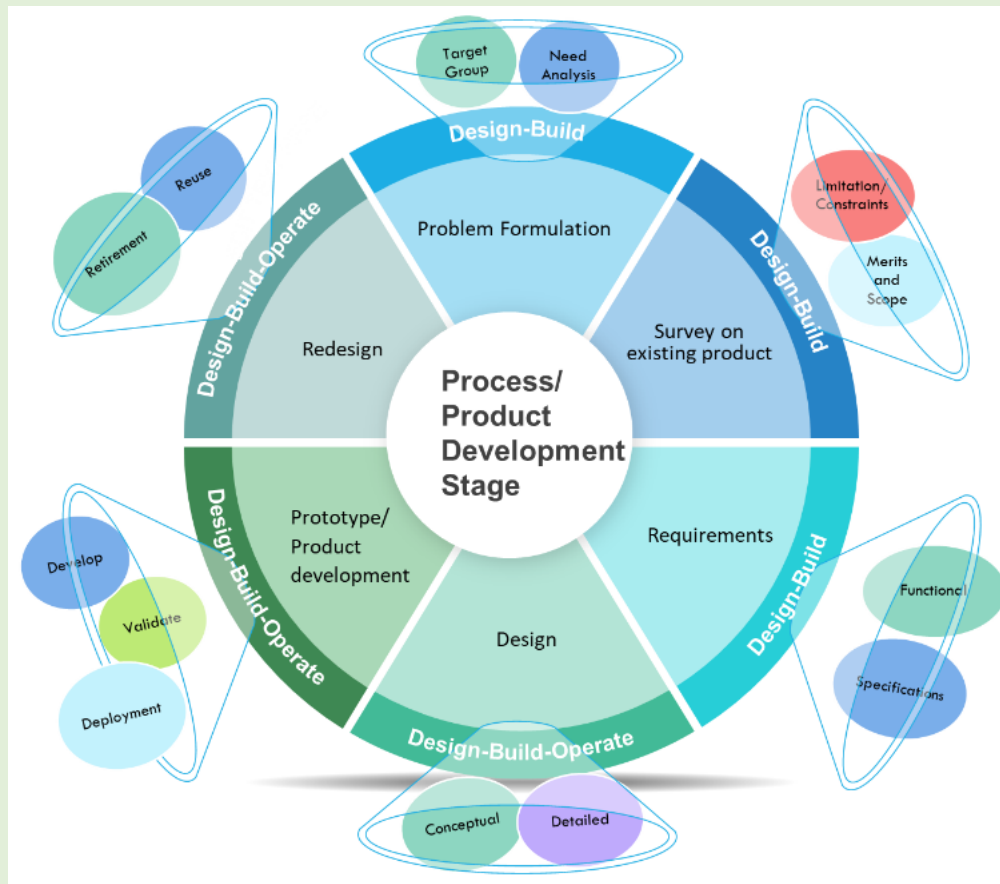


Community Service/Focused Project

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.

Design Project - EXSEL

EXperiential and SERVICE Learning – EXSEL links the teaching, learning and research activities of the university to the community to address the specific needs of the society. EXSEL operates in two phases namely experiential core *design-build* and experiential core *design-build-operate*. Its mandatory for all the students to engage in SDG/ community (NGO, Industries) associated real time problem solving. Faculty members are clustered in chosen SDG themes and mentoring multi-disciplinary student teams.



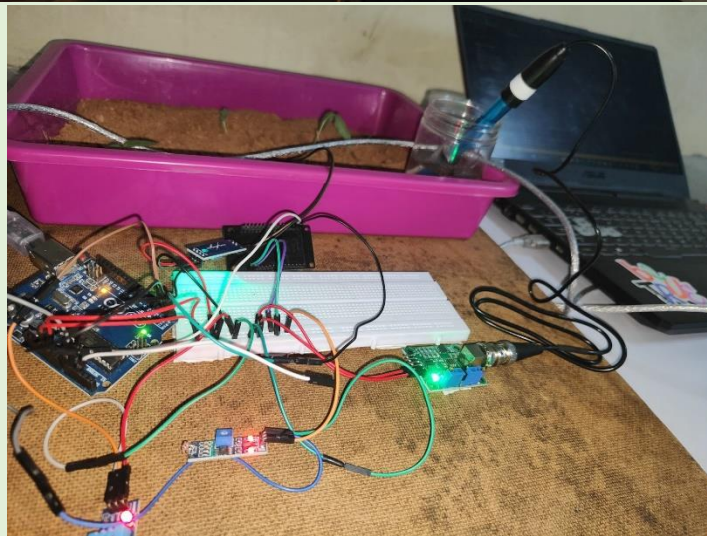
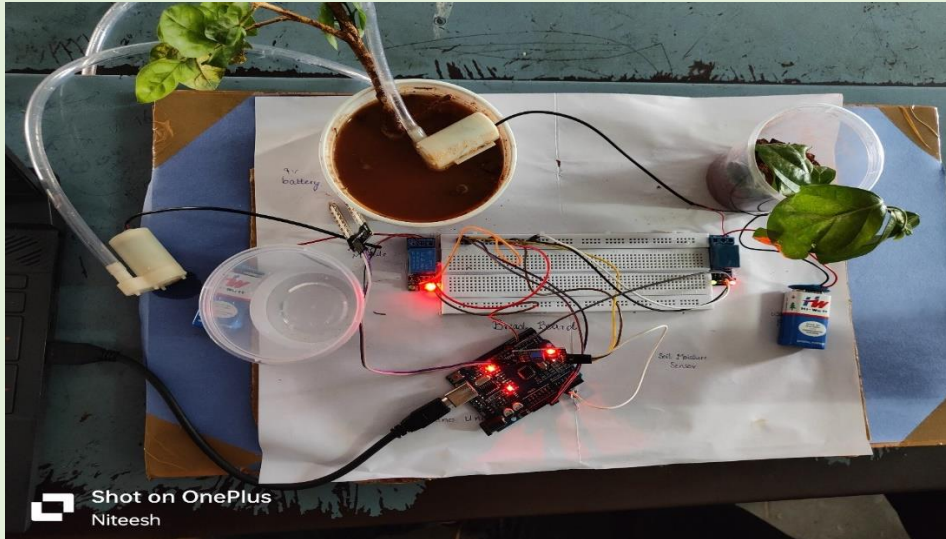


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Education for SDGs specific courses on Sustainability



Total no of courses offered from our institution is 2967 and the courses offered for sustainability is 808. Every year we are increasing the sustainability courses for sustenance of quality of students.

Total no of courses offered = 2967

Total no of sustainable courses offered = 867/2967

Ratio of sustainability courses to total no of courses offered = **29.22%**