

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



Dhanalakshmi Srinivasan University (DSU) is pleased to present its annual report for 2023, showcasing our commitment to Sustainable Development Goal 9 - Industry, Innovation, and Infrastructure. This comprehensive report outlines our initiatives, achievements, and contributions towards building resilient infrastructure, promoting inclusive and sustainable industrialization, and fostering innovation.

Industry-Ready Curriculum: DSU takes pride in offering industry-relevant curriculum updates to ensure that our graduates are well-prepared to meet the demands of the ever-evolving job market. The integration of practical skills, technology trends, and real-world applications positions DSU as a hub for producing industry-ready professionals.

Research and Innovation Hubs: DSU actively promotes research and innovation through specialized hubs and centers. These hubs serve as platforms for collaborative projects, technological advancements, and interdisciplinary research, contributing to the development of innovative solutions with real-world applications.

Infrastructure Development: DSU continues to invest in infrastructure development to provide state-of-the-art facilities for students and faculty. Modern laboratories, advanced research centers, and well-equipped classrooms create an environment conducive to learning, research, and innovation.

Industry Partnerships: DSU maintains strong ties with industries through partnerships and collaborations. Industry experts are frequently invited for guest lectures, workshops, and collaborative projects, facilitating knowledge exchange between academia and industry and ensuring that our programs remain aligned with industry needs.

Entrepreneurship Ecosystem: DSU actively supports an entrepreneurship ecosystem, providing resources, mentorship, and incubation facilities for student-led start-ups. Entrepreneurial initiatives are encouraged, contributing to the development of a culture of innovation and fostering economic growth.

Sustainable Technology Practices: DSU integrates sustainable technology practices into its infrastructure and programs. Energy-efficient systems, waste reduction measures, and green technologies contribute to minimizing the environmental impact of our activities.

Future Plans:

- Enhance industry collaboration and partnerships.
- Expand research and innovation hubs for interdisciplinary projects.
- Invest in sustainable infrastructure development.
- Strengthen entrepreneurship support programs.
- Integrate emerging technologies into the curriculum.

Dhanalakshmi Srinivasan University's commitment to Sustainable Development Goal 9 - Industry, Innovation, and Infrastructure is evident through our industry-ready curriculum, research and innovation hubs, infrastructure development, industry partnerships, entrepreneurship ecosystem, and sustainable technology practices. DSU remains dedicated to nurturing a dynamic and innovative academic environment that contributes to building resilient infrastructure and fostering inclusive and sustainable industrialization. "**Annexure SDG-9**" lists out various events and programmes organized and activities carried out by DSU pertinent to SDG-9.



தமிழ்நாடு தமில்நாடு TAMILNADU

THE REGISTRAR DHANALAKSHMI
SRINIVASAN UNIVERSITY

11/4/2023

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D. கார்த்திக்

முத்திரைத்தாள் விற்பலையாள்
உரிமம் எண்: 38/2021/TRY
புதிதாகம், திருச்சி

Memorandum of Understanding
for
Research Collaboration
between

Insecticides (India) Limited (IIL), Delhi, India
and

Dhanalakshmi Srinivasan University (DSU), Samayapuram, Trichy, Tamil Nadu,
India

This Memorandum of Understanding ("MoU") is made and entered into on 12-04-2023 between Insecticide (India) Ltd., (hereinafter referred to as "IIL") and Dhanalakshmi Srinivasan University (hereinafter referred to as "DSU").

Purpose

This MoU is made to promote Industry-Academia partnership in research and development activities to enhance respective strengths of IIL and DSU. The specific purpose of this cooperation is for the implementation of a major research project titled "Development of Eco-friendly Biocides". The project aims to contribute towards a secure food supply for the nation and to make the Earth a better place to live and thereby promote Sustainable Development Goals (SDGs) adopted by United Nations. This cooperation and the project especially will have positive impact on SDG 2 (Zero Hunger), SDG 3 (Good Health and Well Being) SDG 8 (Decent Work and Economic Growth), SDG 12 (Responsible Consumption and Production), SDG 14 (Life Below Water), SDG 15 (Life on Land) and SDG 17 (Partnership for the Goals).

REGISTRAR
DHANALAKSHMI SRINIVASAN
UNIVERSITY
Samayapuram,
Tiruchirappalli - 621 112



Terms

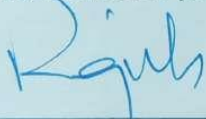
The scientific objectives and deliverables will be accomplished with the following understanding that are mutually agreed upon by IIL and DSU.

1. The collaboration is for one year to promote academic and industry relationship.
2. IIL agrees to pay ₹ 12 lakhs for the above said project and the funds will be disbursed quarterly.
3. The funds will be transferred to DSU as a part of Corporate Social Responsibility (CSR) of IIL.
4. The progress of research collaboration will be monitored by quarterly review.
5. First quarterly review will be through web meeting. Second quarterly meeting will be a face-to-face discussion in physical mode. Third quarterly meeting will be through web meeting. Fourth quarterly meeting will be a face-to-face discussion in physical mode.
6. The project investigators of DSU are required to submit 25 (fully characterized compounds) per month for screening purpose.
7. If required investigators may also be asked to work on possible synthetic route scouting.
8. To attain the deliverables mentioned in clause 6, DSU agree to provide necessary resources, including student researchers, laboratory facilities and equipment, administrative support for smooth implementation of the project.
9. To accomplish above goal following roles and responsibilities are allocated to investigators:

Project Investigator-1	Project Manager (Admin) & Project Investigator-2	Co-Project Investigator (Co-PI)
Dr. Sharad Porwal, DSU (i) Scientific Expert	Dr. R. Nagarajaprakash, DSU (i) Scientific Expert (ii) Administration & Financial management for the project (iii) Liaising	Dr. Pathma J., DSU (i) Scientific Expert

10. This agreement will be effective from 01-05-2023 which will also be the start date for the project. It shall remain valid for one year with the understanding that it may be modified by written mutual consent of both parties.

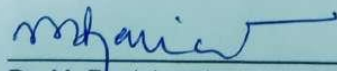
FOR INSECTICIDE (INDIA) LIMITED



Mr. Rajesh Aggarwal,
Managing Director,
Insecticides (India) Limited, Delhi.

Date: _____

FOR DHANALAKSHMI SRINIVASAN UNIVERSITY



Dr. M. Ravichandran
Registrar
Dhanalakshmi Srinivasan University, Trichy, Tamil Nadu.

Date: 13.04.2023

Annexure SDG-9

Date of Event	Name of Event	Organizing School
26-07-2022	Introduction to Blockchain: An Algorand Perspective	SET
30-08-2022	World Entrepreneur's Day	SET
15-09-2022	National Engineer's Day	SET
16-09-2022 - 30-09-2022	Student Induction Program for First Year (2022 Batch B.Tech)	SET
21-10-2022	Cyber Jaagrookta Diwas -Awareness Program on Cyber Crimes	SET
31-10-2022	National Unity Day	SET
02-11-22	Invited Lecture on creativity and mindscape	SET
09-11-2022	Problem solving and Ideation Workshop on Cyber Security	SET
18-11-2022	National Education Day	SET
22-11-2022	Workshop on Entrepreneurship and Innovation as Career opportunity	SET
22-11-2022 & 23-11-2022	HackD - 22, 36 Hours Internal Hackathon	SET
24-11-2022	My Story (Innovator / Entrepreneur)	SET
26-11-2022	One Day Field Visit to Atal Incuation Centre,Pondicherry	SET
01-12-2022	Expert talk on Emerging trends in Nano technology	SET
20-01-2022	Technology and Market Potential of e-Vehicle in India	SET
02-12-2022	National Pollution Control Day	SET
14-12-2022	National Energy Conservation Day	SET
23-12-2022	Inauguration of Robotics Club	SET
3-1-2023	Recent Innovations on Internet of Things (IoT)	SET
25-1-2023	IETE Students Forum (IFS)	SET
27-2-2023	Pandemic and Corporative Communication	SET
27-1-2023	Artificial Intelligence club	SET
28-1-2023	Innovation & Entrepreneurship	SET
28-1-2023	Heating Ventilating and Air Conditioning (HVAC) Club & Invited Lecture, Introduction to ISHRAE	SET
24-4-2023	Application of mathematics in engineering field	SET
24-4-2023	Fundamentals of Automation System using Embedded System	SET
06-05-2023	IIT Madras Incubation Cell at IIT-M Research Park, Chennai	SET
11-05-2023	National Technology Day 2k23	SET
17-05-2023	Computational Mathematics in Engineering and Technology	SET
17-05-2023	Zoom meeting with Kadiri University, Indonesia	SET
31-05-2023	Laser Physics and its Applications in Surgery	SET
02-06-2023	Field Trip to National Institute of Food Technology, Entrepreneurship and Management, Thanjavur (NIFTEM-T)	SET
10-06-2023	One day Workshop on Intellectual property rights, start-up and innovation	SET
16-06-2023	One day workshop on "Recent Trends in Machine Learning"	SET
28-06-2023	Two-day boot camp: "Prompt Engineering with ChatGPT"	SET
11-07-2023	Cyber Club Inaguration	SET
12-07-2023	A half-day session on "Innovation and Startup Ecosystem Enablers"	SET
13-07-2023	Debate Club Activity on "Does Technology Connect us or Isolate us?"	SET

15-09-2023	National Engineers Day-2023	SET
11-09-2023 to 31-09-2023	Student Induction Program for First Year (2023 Batch B.Tech)	SET
26-9-2023	Value added course on "Basic Life Support"	SET
27-9-2023	Faculty Development Program on "Effective Utilization of Interactive Smart Panel for Teaching"	SET
10-10-2023	One day Hands on Workshop on "Network Simulation"	SET
16-10-2023	Institution's Innovation Day: Birth Anniversary of Dr. APJ Abdul Kalam	SET
26-10-2023	Invited Seminar on "Applications of Mathematics in Engineering"	SET
31-10-2023	A workshop on "Building employability skillsets"	SET
02-05-2023	"Precision Agro club"	SAS
31.07.2023	Workshop on "Angel investment/ Venture Capital funding opportunities for early stage entrepreneurs"	SAS
	Guest lecture on "Acceleration, Incubation opportunities for early stage entrepreneurs"	SAS
28-01-2023 and 29-01-2023	Leading the World Beyond In Stem Cell Therapy and Tissue Engineering	AHS
25-02-2023	National Science Day – Science Expo 2K23	AHS
13-04-2023	"Environmental Day"	AHS
11-05-2023	National Technology Day 2023, the theme 'School to Startups-Igniting Young Minds to Innovate' ideas	AHS
12-07-2023	A Guest Lecture Programme on "Radiation Safety Awareness"	AHS
13-07-2022	Guest Lecture on Insulin Therapy	SMCH
06-01-2023 & 07-01-2023	Innovations in Medical Technologies	SMCH
28-01-2023 & 29-01-2023	National Conference: Leading the world beyond in stem Cell therapy and Tissue engineering	SMCH
25-02-2023	National Science Day	SMCH
15-07-2023	World youth skills Day	SMCH
24-02-2023	An Invited Lecture on "Success Stories of Entrepreneurs"	SOM
07-03-2023	A workshop on "Business Model Canvas"	SOM
30-01-2023	Industrial Visit	SOP
28-02-2023	Science day	SOP
02-08-2023	Softtissue manipulation workshop	SOP
30-08-2023	Spinal hub	SOP
31-08-2023	Muscle structure and function seminar	SOP
12.12.2022	Human rights day	SOL
16.02.2023	Placement and training session	SOL
20.03.2023	Guest lecture on influence of social institution in sociology	SOL