

Theme:

"Promoting Sustainability and Resilience through Interdisciplinary Research and Innovation"



UNIVERSITY OF MAURITIUS

INNOVATION DAYS Wednesday 29 November to Friday 01 December 2023

DAY 1	Student Competition: Tech-Driven Agriculture
DAY 2 and 3	Formal Presentations by Researchers and Other Innovative Activities
DAY 3	Exhibits/Poster Presentation/ Prototype Presentation by Researchers on Innovation Projects

Student Competition Tech-Driven Agriculture





Sponsored by:

DAY 1

PROGRAMME - Wednesday, 29th November 2023, Raised Plaza, University of Mauritius

08 00 - 08 45 Participating Teams Setup

OPENING CEREMONY	
09 10 - 09 15	Welcome address by Professor Ponnadurai Ramasami, Chairperson, UoM Research and Innovation Week 2023
09 15 - 09 20	Address by Associate Professor Maleika Heenaye Mamode Khan, Dean, Faculty of Information, Communication and Digital Technologies
09 20 - 09 30	Address by Representative of Ceridian Mauritius, Main Sponsor for the Competition
09 30 - 09 45	Address by Professor Sanjeev Kumar Sobhee, Vice-Chancellor
09 45 - 09 55	Address by Professor Theesan BAHORUN, GOSK, Executive Director, Mauritius Research and Innovation Council (MRIC)
09 55 - 10 00	Launching of Innovation Days and the Competition's Opening by Professor Theesan BAHORUN, GOSK, Executive Director, Mauritius Research and Innovation Council (MRIC)
10 00 - 10 30	Visit of Stands by the Guests
10 30	REFRESHMENTS
11 00 - 12 00	Participants to finalise and fine-tune their demos
12 00	LUNCH
13 00 - 14 30	Demo of Prototype to Jury Panel (5 Minutes for each team)
14 30	COFFEE BREAK
14 45 - 15 45	Pitching by Selected teams to Audience and Jury Panel
15 45 - 16 15	Jury Deliberation on Pitches
16 15 - 16 45	Winner Announcement and Award Ceremony
16 45	Student Competition Closes and Vote of Thanks













<u>DAY 2</u>

Thursday 30 November 2023 - Morning Session		
Venue: Lecture Thea	tre 2	
09.00 – 09.15 hrs	Registration	
09.15 – 09.25 hrs	Welcome and Introduction of Keynote Speaker by Professor Ponnadurai Ramasami Chairperson of Innovation Sub-Committee	
09.25 – 10.10 hrs (incl. 15 minutes discussions)	Keynote Address by Professor (Dr) Xiaotian Zhang Associate Deputy Director Global Curtin University, Australia	
	Professor Xiaotian Zhang is the Associate Deputy Vice-Chancellor Global and a member of the Senior Leadership Team at Curtin University in Australia. He is an expert in the internationalization of higher education and has held several senior management positions at the world's leading universities in Asia, Europe, and Oceania, including Deputy Vice-President (International) of Shanghai University, Vice-Rector of EBSH in Helsinki, and Vice-Rector for Research of UIB in Central Asia. As an academic, Professor Zhang is the SHU Distinguished Professor of International Business and EU Jean Monnet Professor of International Entrepreneurship. He has held academic positions at the University of Southern Denmark, Stockholm University, University of Oulu, and the University of Tartu. He is also a former Rajawali Fellow of Harvard Kenney School, Harvard University; a Visiting Fellow of Said Business School, University of Oxford; and a Principal Advisor of CIA at St. John's Innovation Centre of the University of Cambridge.	
10.10 - 10.25 hrs	Professor Zhang is passionate about the strategic development of global entrepreneurial universities. Launching of the 7 th Edition of the UoM SDGs eNewsletter	
10.10 10.201113	Lauricining of the 7" Luttion of the book 3Dos elvewsietter	
10.25 – 10.40 hrs	Tea/ Coffee Break	
10.40 – 11.40 hrs	Showcasing of Innovative Projects in the field of AI by UoM Research Assistants of Faculty of Information, Communication and Digital Technologies	
	Name: Muhammad Muzzammil Auzine Title: Explainable AI for Colorectal Lesion Classification using Deep Learning Model with Attention Mechanism	
	Name: Mohammad Shoaib Ibne Saleem Casseem Title: Precision Face Verification with Alignment Enhancement	
	Name: Jhumka Muhammad Cheik-Al-Khadiime Title: Predicting Kidney Diseases using Explainable Al	



UOM RESEARCH & INNOVATION WEEK 2023 27 November to 01 December 2023



11.40 – 12.30 hrs	Presentation by Dr Viv Padayatchy Managing Director, Cybernaptics Ltd
	Title: From the Lab to the Market: Developing a Model for Sustainable Innovation in Mauritius.
12.30- 13.15 hrs	Networking Lunch driven by Professor Sanjeev K Sobhee, Vice-Chancellor and Assoc Prof (Dr) Maleika Heenaye Mamode-Khan, Dean FolCDT
	Lessons drawn from Presentation of the Keynote Speaker
	Prospects for Commercialisation of Innovative Projects
	Venue: UoM Cafeteria
	Rapporteur: Mr Dassen Sathan Senior Lecturer, Faculty of Engineering

Thursday 30 November 2023 - Afternoon Session Venue: Lecture Theatre 2

13.15 – 13.30 hrs	Registration
	Session Chair: Assoc Prof (Dr) Viraiyan Teeroovengadum Faculty of Law and Management
13.30 – 14.30 hrs	Presentation from Human Resource Development Council
	Dr Harris Neeliah, Manager – Research & Projects
	Title: The Innovation and Skills Nexus
	 Leena Ramtohul, Senior Research & Development Officer, Ravisha Subramanyan, Research and Development Officer& Dr Harris Neeliah
	Title: The HRDC Graduate Training for Employment Scheme, as a Skills Intermediation Instrument
14.30 – 14.45 hrs	Tea/ Coffee Break
14.45 – 15.15 hrs	Presentation by Professor Robin Nunkoo Head, International Centre for Sustainable Tourism and Hospitality
	Title: A Framework for Understanding the Metaverstic Experiences of Consumers
15.15-15.45 hrs	Presentation by Mr Tahir Wahab
	Director, Shared Services
	JTC Group Title: Fin tech and other Emerging Technologies within Financial Services
	Rapporteur: Mr J Narsoo
	Senior Lecturer
	Faculty of Social Sciences and Humanities

DAY 3

09.00 - 09.30 hrs	Registration
07.00 - 07.301113	Registration
	Session Chair: Assoc Prof (Dr) Mussawir Hosany
	Faculty of Engineering
09.30 – 10.30 hrs	Presentation by
	Dr Nitin Gopaul Research Coordinator, Mauritius Research and Innovation Council
	Research Cool dinator, Madrithus Research and minovation Council &
	Miss Karuna Lakheeram
	Research Assistant, Mauritius Research and Innovation Council
	TILL MOLOTTO D I IID
10.30 - 10.45 hrs	Title: MRIC-TTO: Promoting Innovation and IP Tea/Coffee Break
10.30 - 10.431113	Tear Contee Di eak
10.45 – 11.40 hrs	Presentation/Exhibition of Innovative Projects led by UoM Academics & Students
10.45 – 10.55 hrs	Presentation by
	Assoc Prof (Dr) Brinda Ramasawmy Molaye, Dr Deena Ramful-Baboolall,
	Senior Lecturer and Dr Hudaa Neetoo, Senior Lecturer
	Faculty: Faculty of Agriculture
	Title: Ecopec Food Freshness Retainer
	(A natural coating to enhance the shelf-life of fresh fruits and vegetables)
10.55 – 11.10 hrs	Presentation by Mr Leshvin Noruttun
	Student of BSc (Hons) Actuarial Studies
	Faculty of Social Sciences and Humanities
	Title: Improving Road Safety and Congestion in Mauritius: Using Generati
11.10 – 11.40 hrs	AI. Presentation by
11.10 - 11.401113	Freschation by
	Mrs Sandhya Gunness
	Senior Lecturer, Centre for Innovative and Lifelong Learning
	& Miss Mokshada Todar
	Student at Centre for Innovative & Lifelong Learning
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	Title: Co-Creation Framework for developing Employability, Sustainability and Future Skills and Competencies at CILL
11.40 – 12.10 hrs	Presentation by Dr Suman Seeruttun
	Director, MSIRI
	Title: Application of Remote Sensing, Drone Technology and Al in Sugarca
	Production.
12.10 – 1300 hrs	Networking Lunch Driven by Professor P Ramasami
	Prospects for Patenting and Scaling-up of Projects
	Venue: UoM Cafeteria
	Rapporteur: Dr Raviduth Ramful

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Friday 01 December 2023 – Afternoon Session Venue: Lecture Theatre 2	
13.00 – 13.15 hrs	Registration
	Session Chair: Assoc Prof (Dr) Vincent Florens Faculty of Science
13.15 – 13.45 hrs	Presentation by Professor Archana Bhaw-Luximon Head, Centre for Biomedical and Biomaterials Research Title: Strategies for Innovation
13.45 – 14.45 hrs	Presentation by Mr Prakash Ramiah Renewable Energy Consultant, , Leal Group Title: Adapted RE solutions for SIDS Mauritius
14.45 – 15.15 hrs	Award Ceremony & Closing Ceremony
	Rapporteur: Dr Mahendra Gooroochurn Senior Lecturer Faculty of Engineering
15.15 – 15.30 hrs	Refreshments

Friday 01 December 2023			
Venue: AGRI-1	Venue: AGRI-Tech Park, UoM Farm		
15.45 – 16.45	hrs	Inauguration of the Food Innovation Laboratory (Faculty of Agriculture)	
16.45-17.00	hrs	Refreshments	



Exhibits/Poster Presentation/ Prototype Presentation by Researchers on Innovation Projects

Friday 01 December 2023 -Raised Plaza	
FACULTY OF A	GRICULTURE
	Dr Swaleha Bibi Hudaa Neetoo, Senior Lecturer,
11.00-15.30 hrs	Miss Sandhya Takooree & Miss Nooreen Mamode Ally Students
	Title: A Mobile App: Dokter Plant
	Assoc Prof (Dr) Brinda Ramasawmy Molaye & Dr Swaleha Bibi Hudaa Neetoo, Senior Lecturer
	Title: Smartbite Products and Derivatives (Health Bars)
	Mr Shane Hardowar, Senior Lecturer & Representative from Maugreen Aquaponics
	Title: Sandponics
	Mr Navindra Boodia, Senior Lecturer & Miss Rishma Jaunkeypersad, Master Student
	Title: Unlocking the Potential of Vermiwash: A Game Changer in Biopharming
	Mr Navindra Boodia, Senior Lecturer & Mr Yajasingh Serwan, Master Student
	Title: An IoT-Based Automated Irrigation System for Water Saving in a Forest Nursery
FACULTY OF EI	NGINEERING
	Dr Mahendra Gooroochurn, Senior Lecturer
	Title: An Innovative Communication and Demonstration Tool for Climate Education, Awareness and Grassroots Action
	Dr Raviduth Ramful, Senior Lecturer
	Title: Improving the Durability of Natural Materials for the Construction Industry to Promote Sustainable Development
	Dr Raviduth Ramful, Senior Lecturer & Mr Yashil Nunkoo, Student
	Title: Smart Irrigation System Based on IOT for Terra Milling Ltd
	Dr Raviduth Ramful, Senior Lecturer & Miss Dipshika Bhookul, Student
	Title: Al Operated Plastic Waste Sorting System
	Dr Raviduth Ramful, Senior Lecturer & Miss Deepti Baijnath, Student
	Title: Autonomous Solar Powered Composting Device

	Mr Nidhish Mungra & Mr Yasheel Unnoop, Students
	Co-supervisors: Assoc Prof (Dr) Iqbal Jahmeerbacus & Dr Mahendra Gooroochurn, Senior Lecturer
	Title: Semi-automated fogponics system
	Mr Mohammud Waseem Hisaund, Student
	Supervisor: Mr Anshu Prakash Murdan, Senior Lecturer
	Title: A Solar-Powered, Autonomous Lawnmower with Intelligent Obstacle Avoidance
	Dr Anagha Vaidya Soocheta, Senior Lecturer
	Title: Solar Cooker: A SocioTechnological Approach to Sustainability Enhancing Research Capacity to Bridge the Gender Gap 2019/20
	Miss Karina Ragoonundun, Student
	Supervisor: Assoc Prof (Dr) S Rosunee
	Title: Upcycling Old umbrella Fabrics to Create New Products
	Miss Vandanaluxmi Dassoa, Student
	Supervisor: Assoc Prof (Dr) S Rosunee
	Title: Seed Paper Bamboo
FACULTY OF LAW AND MANAGEMENT	
	Assoc Prof (Dr) Viraiyan Teeroovengadum
	Title: Testing and Improving Financial Literacy for Women Entrepreneurs using Educational Technologies: An Experimental Study