



**DALHOUSIE**  
UNIVERSITY



**SRM**  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Deemed to be University u/s 3 of UGC Act, 1956



# The Future of Farming - Digital Transformation in Agriculture, Livestock, and Aquaculture

**Welcome Everyone**

Join us at "The Future of Farming," a seminar where Dalhousie University and SRM Institute of Science and Technology come together to explore the impact of digital technology in agriculture. This event is an opportunity for students, educators, and professionals to gain insights into how digital advances are shaping the future of farming, livestock management, and aquaculture.

Our joint initiative spans continents and converges diverse fields such as artificial intelligence, big data analytics, data science, agriculture, animal science, and animal welfare. This collaboration aims to harness practical, tech-driven solutions to enhance efficiency and promote sustainability in farming practices. We encourage you to join vibrant discussions, absorb knowledge from seasoned experts, and interact with cutting-edge applications in agricultural technology.

We look forward to sharing a day of education and discussion that is as informative as it is inspiring.

You're invited to a one-day seminar webinar co-hosted by

**Dalhousie University, Canada**

&

**SRM Institute of Science & Technology, Chennai, India**

Join us for an insightful journey through the advancements in digital technologies and their application in modern farming practices.

## Co-Organizers

**Professor Suresh Neethirajan**

Dalhousie University  
<https://mooanalytica.com>

**Professor Vadivu. G**

SRM Institute of Science &  
Technology, Chennai, India

**Date: Monday, February 19, 2024**

**Time: 9:00 AM to 4:00 PM IST**

**Event Link : <https://teams.live.com/meet/9548567710173?p=UEPBJGQgRXmPQ8hf>**

## SCHEDULE

9.00 AM to 9.45 AM	Harini Shree Bhaskaran	Advancing Livestock Health Management - Building a Cloud-Based IOT System with AWS and Python, Dalhousie University
9:30 AM to 10:00 AM	Umang Mehta	Artificial Intelligence and Satellite-Based GHG Benchmarking for Canadian Poultry Farms, Dalhousie University
10:00 AM to 10:20 AM		Break
10:20 AM to 11:10 AM	Dr. Kothai	Effect of roughages on the quality of milk produced in Baburayanpettai village, SRM Institute of Science & Technology, Chennai , India
11:10 AM to 12:00 PM	Dr. Thamizhannal & Dr. Sreyas	Current Scenario and Future perspectives of Digital livestock Farming in Tamil Nadu, SRM Institute of Science & Technology, Chennai, India
12:00 PM to 01:00 PM		Lunch Break
01:00 PM to 01:45 PM	Professor Suresh Neethirajan	Digital Livestock Farming 2030 and Beyond, Dalhousie University
01:45 PM to 02:15 PM	Dr. Sindhuja	The Ultimate Animal-Care Dashboard, SRM Institute of Science & Technology, Chennai, India
02:15 PM to 02:30 PM		Bio-Break
02:30 PM to 03:00 PM	Dr. TYJ Nagamalleswari & Dr. S. Usha Sukhanya	Plant Nutrient Deficiency Diagnosis using Deep Learning
03:00 PM to 03:30 PM	Dr. Vaishnavi	Sustainable Agriculture Analysis examining soil vitality and Crop Risks through organic farm animal Manure Utilization
03:30 PM to 04:00 PM		Panel Discussion and Closing Ceremony