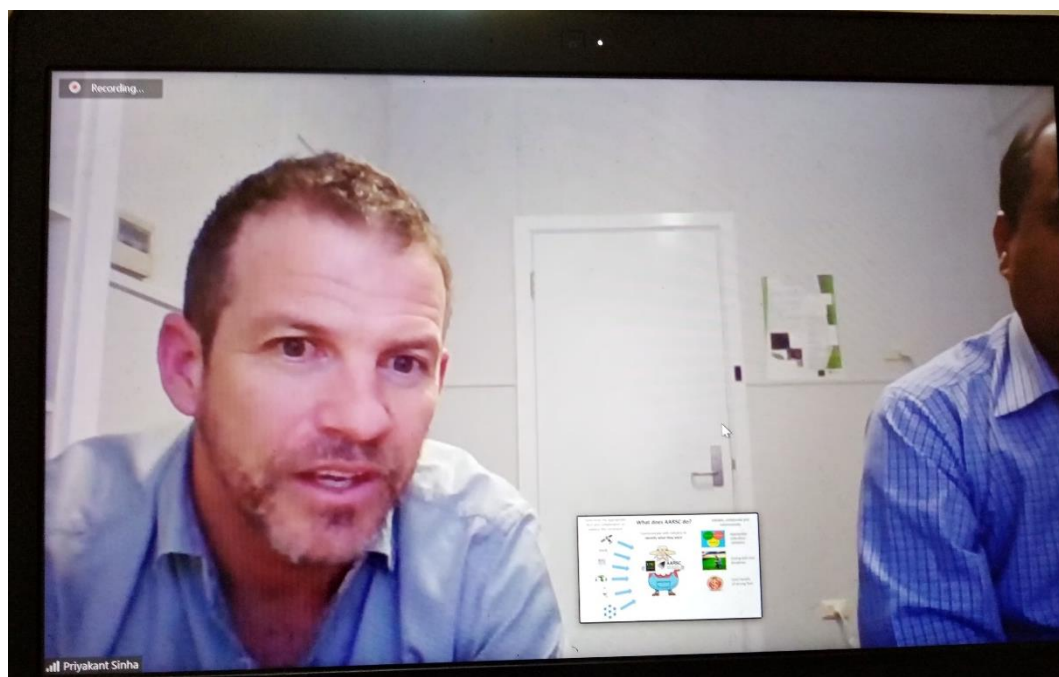


# FAPM Students Engaged in New Ways of Teaching & Learning Live from Australia



The 3<sup>rd</sup> year undergraduate students of the Department of Horticulture and Landscape Gardening of the Faculty of Agriculture and Plantation Management (FAPM) in Wayamba University of Sri Lanka (WUSL) experienced a new dimension of teaching and learning engaging live with Prof. Andrew Robson/Director & Dr. Priyakant Singhe/Researcher from Applied Agricultural Remote Sensing Centre (AARSC), University of New England (UNE), Australia on the 9<sup>th</sup> December, 2020. The students learnt lot new things from the international resource persons by talking, asking questions and listening to them. This was conducted as an component of the subject (HC 32211) Special Topics in Horticulture organized by Dr. Surantha Salgadoe.



Zoom Meeting

Recording

Surantha Salg... Priyakant Sinha Maheshika Pras... Hiruni imedi - 1...

## RS for Horticulture Applications

High Spatial (1-5m) and Multispectral 4-16 bands are used

Spectral Response of Individual tree

**Applications**

- Tree Crown delineation and structural attributes
- Tree Biophysical Characteristics
- Yield modelling and forecasting
- Crop variable nutrient management
- Plant Biosecurity Surveillance
- Crop Stress Assessment and Irrigation
- Many more...

**What sensor should we use?**

- Cost (extent, resolution)
- Temporal (pre-harvest, repeat)
- Feature size (plant, block, region)

Participants (39)

Find a participant

- JH Jayanti Harindi 176048 (Guest)
- KK Kokila Kulathunga1760... (Guest)
- KM Krishani Maheshika (Guest)
- MH Maheshika Herath 1760... (Guest)
- MP Maheshika Prasadani 17... (Guest)
- NJ Nadeesha (176087) Ma... (Guest)
- N- Nayani - 176146 (Guest)
- P P.G.V.B.P.Dharmawardan... (Guest)
- P- Piyumi - 176168 (Guest)
- S S.M.Kumarasingha (Guest)
- Sl sanjana 176065 (Guest)
- T Tharushi176090 (Guest)
- U- udeshika - 176012 (Guest)

11:04 AM 9/12/2021

## UAV System

UAV System operates at an aerial platform for remote sensing (passive and active)

- Fixed-wing or rotary-wing craft, <30 kg, Range <10Km, and flying below 300m.
- Remotely piloted by a human or automatically piloted by an autopilot based GNSS

