



SOMAIYA VIDYAVIHAR

K J Somaiya Institute of Engineering and Information Technology

An Autonomous Institute Permanently Affiliated to the University of Mumbai
Accredited by NAAC with 'A' Grade (3.21 CGPA), Approved by AICTE, New Delhi

Report of Workshop on Agricultural Robots, drones & AI Technology and Trends

SOMAIYA
VIDYAVIHAR
K J Somaiya Institute of Engineering & Information Technology

Workshop on
"Agricultural Robots, Drones & AI Technology and Trends"

Organized By:
National Innovation and Startup Policy (NISP)
In association with
Institution's Innovation Council (IIC)

Resource Personage:

	Mr. Soraj Behera Master Trainer on IOT Robotics		Mr. Abhinash Panda Master Trainer in drone and aircraft design
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Details:

- Registration Link: <https://forms.gle/m8y8Hro1vpxHZWPA>
- No Fees
- E-Certificate to Active Participants
- Session Link: <https://somaiya-edu.zoom.us/j/97673187207?pwd=bWQ1bjBGTUFDRHZoZE5ZSUFTVEoxdz09>

January 18, 2022 - Monday
04:00 PM IST onwards
Online Mode – Zoom

For Queries, Contact Student Coordinator: **Dharita Desai** – 9769107491

KJSIEIT: [kjsieit_22](#) [kjsieitofficial](#) [kjsieitofficial](#) IIC: [iic_kjsieit](#) [iic_kjsieit](#)

The Dr. Hariram Chavan of K. J. Somaiya Institute of Engineering and Information Technology (KJSIEIT) organized a Workshop on "Agricultural Robots, drones & AI Technology and Trends" on January 18, 2022 at 16:00.

Objective(s):

1. To understand the current state and key technology trends in the field of agricultural robotics.
2. To discuss a case study of autonomous tractors and robotic fresh fruit picking.

Beneficiaries: Students & Faculties

No. of Participants: 120

Venue/Mode:

Resource Personage:

Soraj behera - Master Trainer on IOT Robotics, 7 Years Industry Experience, 1 Year in Skyyrider Institution.
Abhinash Panda - Master Trainer in drone and aircraft design, 5 Years Industry Experience, 1 year in Skyyrider Institution.

Key Points:

The speaker of the day Mr.Soraj Behera Spoke about the importance of Machine learning and Artificial Intelligence and also shared his thought about Machine learning and data science from the perceptive of an

industry expert. He also spoke about the different types of machine learning and gave various real-life examples too. He further spoke about the applications of Data Science and Machine learning in the industries like agriculture.

Second speaker of the session Mr. Abhinash Panda talked on application of Drones in agriculture industries and its futures.

Mr. Abhinash shared information of various type of drones which are available in market and its working.

Outcome(s):

Able to understand the current state and key technology trends in the field of agricultural robotics.

MAPPING OF EVENT OUTCOME WITH POs/PSOs:

#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
LO1						1	1				2	2		

Glimpse of the Event:

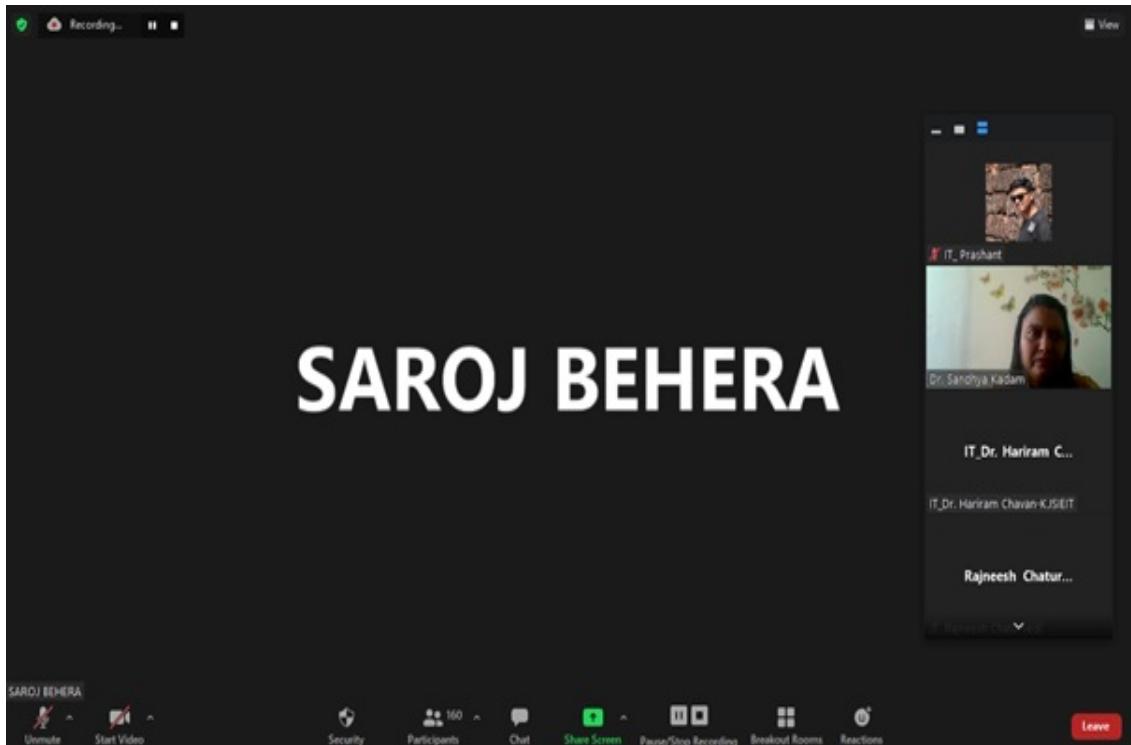


Content:

- Introduction
- Objectives
- Need of Robots in Agriculture
- Types of Robots in Agri.
- Applications in Agriculture
- Future Scope
- Advantages & Disadvantages
- Conclusion



Content



Speaker

A presentation slide titled 'Why Agri. Robots?' featuring a speaker's profile and a video feed. The slide includes a list of reasons for the need for agricultural robots and two images of farmers working in fields. A footer provides a website address.

You are viewing SAROJ BEHERA's screen [View Options](#)

EMPOWER GROWTH PROSPERITY

Why Agri. Robots?

- Labor cost is rising
- Labor is core cost
- Unreliable
- Slow work

Press ALT to show or hide meeting controls



www.skyrider.com

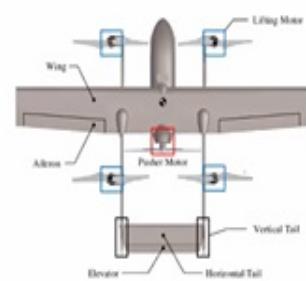
Session Details



FIXED WING HYBRID VTOL

- **WHAT IS VTOL**

VTOL stands for **vertical take-off and landing**. It describes aircrafts and drones (unmanned aerial vehicles / UAVs) able to take off, hover and land vertically, like a helicopter. The most common type of VTOL UAVs are multirotor drones.



drone

Event Coordinator(s):

Dr. Hariram Chavan,