



A Five Days Online Workshop

On

## Applications of UAVs in Agriculture

(Part of Research Project Funded by TiHAN-IITH Under NMICPS Scheme)

13<sup>th</sup>-17<sup>th</sup> May 2024, Venue: Academic Block, IIT Bhagalpur



### About the Workshop:

Use of UAVs in Agriculture field are revolutionizing precision agriculture, land surveying, crop health analysis, livestock tracking, real-time crop monitoring, pesticide spraying for pest and disease management etc. This online workshop is being organized to give an opportunity to participants such as students, faculties, researchers, people from industries to get acquainted with UAV/Drone technology and its applications in Agriculture field, current status, research scope, issues and challenges.

The workshop shall broadly cover:

- UAV/Drones basic knowledge.
- Discussion on applications of UAVs/Drones in agriculture.
- UAV based data acquisition for agriculture applications.
- UAV based agriculture field datasets: Computing Technologies, Artificial Intelligence and Machine Learning
- Applications of UAVs/Drones in agriculture: Research Issues and Challenges.
- Applications of UAVs/Drones in agriculture: Current Scope and Status in India.

### Targeted Participants:

- UG and PG students, Ph.D. Students/Research Scholars, Agriculture Scientists, Faculties, and Industrial persons.

### Resource Persons:

- Keynote Speaker: Prof. Pradip K. Das, Head - Centre for Drone Technology, IIT Guwahati.
- Internationally acclaimed faculty members from premier institutions like IITs, NITs, IIITs.

### Other Interesting Talks:

- Speakers from drone Startup companies, Industrialists, Agriculture Scientists and Researches.

### Registration:

UG/PG/PhD/Faculty/Industry: Rs. 500

UG/PG/PhD/Faculty (IIIT Bhagalpur): Rs. 200

Scan the QR Code to know payment details and to register

or use the link: <https://forms.gle/prKavEsmqXoh67Hf9>

Last date to apply: 11<sup>th</sup> May 2024

Contact Phone-no: 7019455215/9709466800



### **Patron**

Prof. Pradip Kumar Jain  
Director, IIIT Bhagalpur

### **Coordinator**

Dr. Thejaswini M  
Head of Department, CSE  
IIIT Bhagalpur

## Tentative Schedule of Workshop on “Applications of UAVs in Agriculture” (Online Mode)

<b>Date/ Time</b>	<b>10:00 AM to 10:22 AM</b>	<b>10:22 AM to 10:35 AM</b>	<b>10:45 AM to 11:45 AM</b>	<b>11:55AM - 12:55 PM</b>
<b>13-05-2024 (Monday)</b>	<b>Lamp Lighting and Inauguration</b>	Welcome address by <b>(Prof. P. K. Jain, Director, IIIT Bhagalpur)</b>	Lecture - 1 Keynote Talk by <b>Guest of Honour and Keynote Speaker</b>	Lecture - 2

<b>Date/ Time</b>	<b>10:30 AM to 11:35 AM</b>	<b>11:55 AM to 12:55 PM</b>	<b>3:00 PM to 4:00 PM</b>
<b>14-05-2024 (Tuesday)</b>	Lecture - 3	Lecture - 4	Simulation/Mission Planning/Flight Path Planning/ Drone Programming
<b>15-05-2024 (Wednesday)</b>	Lecture - 5	Lecture - 6	Simulation/Mission Planning/Flight Path Planning/ Drone Programming
<b>16-05-2024 (Thursday)</b>	Lecture - 7	Lecture - 8	Simulation/Mission Planning/Flight Path Planning/ Drone Programming
<b>17-05-2024 (Friday)</b>	Lecture - 9	Lecture – 10+  Valedictory function	

## List of Experts Speakers

### Keynote Speaker

**Prof. PRADIP K. DAS**  
Professor, Department of Computer Science & Engineering,  
Head - Centre for Drone Technology,  
IIT Guwahati

### Speakers from Drone Industries and Drone Startup Companies

**Mr. Shahzeb Khan**  
Co-Founder & CEO  
Patna

**Mr. Sudhakar Kanaujia**  
HoD, AMTRON DRONE SCHOOL  
Guwahati, ASSAM

### Speakers from Academia

**Dr. Ajay Dashora**  
Assistant Professor  
IIT Guwahati

**Dr. Raja Vara Prasad**  
Assistant Professor, Department of ECE  
IIIT Sricity

**Dr. Rajarshi Bhattacharya**  
Assistant Professor, Department of ECE  
NIT Patna

**Dr. Seemanti Saha**  
Assistant Professor, Department of ECE  
NIT Patna

**Dr. Thejaswini M**  
Assistant Professor, Department of CSE  
IIIT Bhagalpur

### Speakers: Agriculture Scientist

**Dr. Summit Agarwal**  
Assistant Professor, ICAR-IIMR,  
Ludhiana, Punjab