

Department of Aeronautical Engineering

Organised

Guest Lecture on
“Unmanned Aerial Vehicle in Industry 5.0”

Resource person:

Mr G. Prasad

Assistant Professor

Dayananda Sagar University

Held on :

02/09/2021

Time : 03pm to 04pm



ACS COLLEGE OF ENGINEERING

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AERONAUTICAL ENGINEERING



Organises

Academic Guest Lecture on

Unmanned Aerial Vehicle in Industry 5.0

Date: 02/09/2021, Time: 03pm to 4pm

Resource Person

Mr.G.Prasad, M.E., (Ph.D)
Assistant Professor (Sr.Gr)
Aerospace Engineering
Dayananda Sagar University
Bangalore



Registration free
E-Certificate for all participants

Registration Link: <https://tinyurl.com/UAV-INDUSTRY-5>

Coordinator
Mr.Arun A K
Asst.Professor
Aeronautical

Organiser
Dr.G.Ramanan
HOD
Aeronautical

Head of Institution
Dr.M.S.Murali
Principal
ACSCE

For Details Contact: Mr Arun A K: 9544092274

About Event

This guest lecture was organised by Dr. G Ramanan(Head of Aeronautical Dept) Event coordinators are Mr. Arun A K Dept of Aeronautical and Head of institute Dr. M S Murali. By this webinar student gains knowledge about various factors. Mr G Prasad is working as Assistant Professor from Aerospace Branch in Dayananda Sagar University, Bangalore. In this webinar he teaches about the “Unmanned Aerial Vehicles in Industry 5.0” he gives the information about wide usage of these vehicles in various military missions such as border surveillance, mapping, surveying etc. 2nd, 3rd and 4th year Aeronautical and Aerospace students attended this program by this webinar they get knowledge about Aerial Vehicles which helps them for there further job opportunities.



The screenshot displays a Microsoft Teams meeting interface. The main video window shows a blurred view of a participant, identified as PRASAD G (Guest) in the bottom-left corner. To the right of the video is a grid of participant avatars, including KA (kameena. A...), Mr. Arun A K, SP (Saai preeth...), TR (THATIGOTT...), KV (Kuldeep Ver...), and a '+31' button. Further right is the 'Participants' panel, which lists 8 presenters: Dr. G Ramanan, Chandan Ganesh R, Chitranjan, Mr. Arun A K (Organizer), Mr. SivaJ, PRASAD G (Guest) (Guest), and Rahul. The interface includes standard meeting controls like 'Leave', 'Mute all', and 'Share invite'.



Leave



kameena. A...



Mr. Arun A K



Saai preeth...



PRASAD G (Gue...



Kuldeep Ver...



+31



Participants



Invite someone or dial a number



Share invite

Waiting in lobby (1)



Jithin Malayil Jacob (... Admitting... Guest

Presenters (8)

Mute all



Dr. G Ramanan



Chandan Ganesh R



Chitranjan



Mr. Arun A K Organizer




Mr. Siva.J



PRASAD G (Guest)

Unmanned Aerial Vehicle in Industry 5.0

PRASAD G
 Asst. Professor(Sr. Gr),
 Department of Aerospace Engineering,
 Dayananda Sagar University,
 Bengaluru- 560 068.


 Department of Aerospace Engineering, School of Engineering, Dayananda Sagar University

PRASAD G (Guest)



UNMANNED AERIAL VEHICLE (UAV) MARKET

GLOBAL OPPORTUNITY ANALYSIS AND INDUSTRY FORECAST (2020-2027)

DRIVERS

- Rising Adoption of UAVs in Civil and Commercial Applications
- Increasing Deployment of UAVs for Border Patrolling and Combating Terrorism

MARKET SEGMENTATION

BY TYPE

- Fixed-Wing UAVs
- Fixed-Wing VTOL UAVs
- Rotary-Wing UAVs

BY END-USER

- Military
- Commercial
- Law Enforcement
- Agriculture
- Energy & Power
- Construction & Mining
- Media & Entertainment

BY GEOGRAPHY

- North America
 - Latin America
 - Middle East & Africa
 - Asia Pacific
 - Europe
- Asia-Pacific: The fastest-Growing Regional Market



CAGR (2020-2027) **14.1%**

Market Size USD **21.8 Billion**



PRASAD G (G...



Abhisek Ch...



Industry 5.0 is the future and already an emerging trend: the interaction and collaboration between man and machine

- * Artificial intelligence (AI),
- * Machine learning (ML),
- * **Robotics,**
- * Internet of Things (IoT),
- * **Autonomous vehicles**
- * **self-driving cars,**
- * **3D printing,**
- * virtual and augmented reality,
- * **nanotechnology,**
- * **biotechnology,**
- * **energy storage**
- * **quantum computing**



TALK HIGHLIGHTS:

1. Geometry of Aerial Vehicles.
2. Autonomous Robots/ Drones.
3. Unmanned Aerial Vehicles (UAV) Market.
4. Interaction and collaboration between man and machine.
5. Additive Manufacturing.
6. introduction to internet of Drones(Emerging 2025).
7. Technology enables of Industry 5.0.



Leave



kameena. A...



Mr. Arun A K



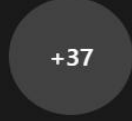
Saai preeth...



PRASAD G (Gue...



Kuldeep Ver...



Participants

Invite someone or dial a number

Share invite

Presenters (3)

Mute all



Dr. G Ramanan



Mr. Arun A K
Organizer



PRASAD G (Guest)
Guest

Attendees (40)



A.Jeni prabha (Guest)
Guest



Abhisek Chowdhury (Guest)
Guest



Abinesh



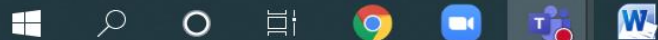
ADLIN MISPA ANNAPACKI...

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|---|------------------|--------|--------|------------|----------------|--------|
| Design of Fixed Wing Unmanned Vehicle | Aerial COURSE | Online | NPTTEL | IIT Kanpur | Aug - Oct 2018 | 8 Week |
|---|------------------|--------|--------|------------|----------------|--------|



Department of Aerospace Engineering, School of Engineering,
Dayananda Sagar University

PRASAD G (Guest)





PRASAD G (G...

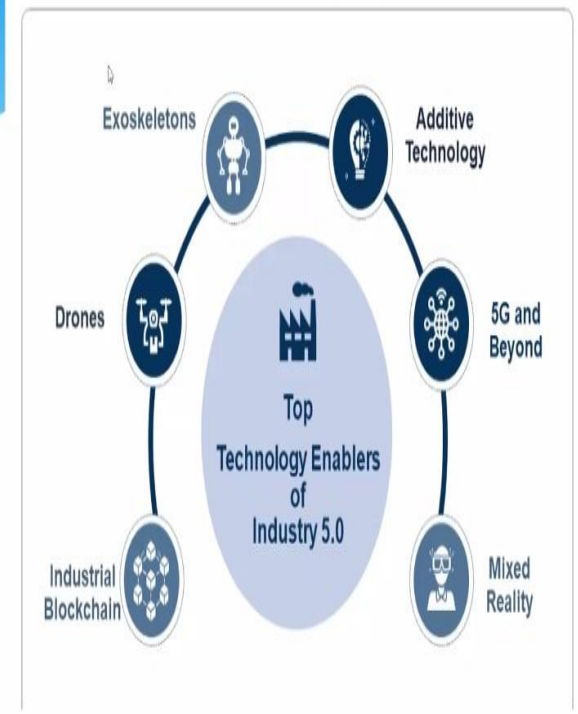


Abhisek Ch...



PRASAD G (Guest)

Technology enablers of Industry 5.0



PRASAD G (G...



Abhisek Ch...



PRASAD G (Guest)