



CENTURION UNIVERSITY OF TECHNOLOGY & MANAGEMENT, ODISHA

Webinar on "Innovation and Technology Frontiers of Unmanned Vehicles: An Overview"

13th July 2021, from 11.45 am to 1.30 pm

Resource Person:

Mr. A T Kishore, CEO, Vidhya Sangha Technologies Pvt. Ltd.

There is no universally agreed definition of frontier technology. However, there is a recurring common feature across the different technological advances in that they all “have the potential to disrupt the status quo, alter the way people live and work, rearrange value pools, and lead to entirely new products and services”.

- Many frontier technologies can be classified as general-purpose technologies (GPT). While technological progress is often an incremental innovation in a specific sector or area, a GPT has the potential to re-shape the economy and boost productivity across all sectors and industries. Steam, electricity, internal combustion, and information technology (IT) are other examples of GPTs. More generally, it has been argued that a GPT has the following three characteristics:² 1. Pervasiveness – the GPT should spread to most sectors.
- Improvement – the GPT should become more efficient and effective over time and keep lowering costs for users.
- Innovation spawning – the GPT should enable the invention and development of new products or processes.

Different technologies have been identified as frontier. For example, OECD (2016)⁴ listed 40 frontier technologies and mapped them into four quadrants that represent broad technological areas: biotechnologies, advanced materials, digital technologies, and energy and environmental technologies. In this chart, technologies are mapped closer to or further from the boundaries of other technologies to reflect their relative proximity or distance. Furthermore, OECD singled out the following 10 technologies which may have more significant impacts than others: AI; additive manufacturing (or 3D printing); advanced energy storage technologies; big data analytics; blockchain; nanomaterials; nano/micro satellites; neurotechnologies; synthetic biology; and the Internet of Things.



Centurion
UNIVERSITY

WEBINAR ON

Innovation & Technology Frontier of Unmanned Vehicles: An overview

Date: 13-07-2021

Organised by :

Centurion University of Technology and Management

RESOURCE PERSON

Mr. A T Kishore

CEO, Vidhya Sangha Technologies Pvt. Ltd.

centurion university of technology and management
Shaping Lives... Empowering Communities...

Brochure of the event

The screenshot shows a Zoom meeting in progress. The main window displays a grid of 20 video thumbnails. Most thumbnails are either blank or show a person's name and a small video feed. The names visible in the grid include: Singam Jayanthu, Dr. Anita Patra, Rakesh Kulsrestha, Administrator, Bheema Rao, Vamshi Krishna, Jagannath padhi, Subrata Sarangi, Rajiv A, Abhishek Burman, Swarnaprabha J..., Prasanta Moha..., PS RAO, Narayan, supriya.pattana..., managovinda m..., Uma Valluri, Aruna Saini, Pro VC CUTM, DPKanungo, Prasanta Kumar Pradhan, Vishal Kumar Si..., Siba Sankar Ma..., Bhagyashree Patil, Gayatree, and Prasanta Kumar Pradhan.

On the right side, there is a 'Participants (51)' list. It includes a search bar and a list of names with icons for mute, video, and chat. The names in the list are: Dr. Anita Patra (Host, me), DPKanungo, PM Prasanta Mohanty, S supriya.pattanayak@cutm.ac.in, N Narayan, PK Prasanta Kumar Pradhan, RK Rakesh Kulsrestha, SJ Singam Jayanthu, UM Umesh Mohanty, AB Abhishek Burman, A Administrator, AK AMIT KUMAR SAHOO, AS Arniya Singh, AS Aruna Saini, BP Bhagyashree Patil, and BR Bheema Rao.

Participants List

1	Prajna Paramita Debata	Asst. Professor
2	Babuli Kumar Jena	Asst. Professor
3	Dilip Kumar Mohanta	Asst. Professor
4	Dr. Kapileswar Mishra	Professor
5	Dr. Kamal Kumar Barik	Associate Professor
6	Dr. Siba Prasad Mishra	Associate Professor
7	Sagarika Panda	Asst. Professor
8	Snigdha A Sanyal	Asst. Professor
9	Sadhana Devi	Asst. Professor
10	Vignesh M.	Asst. Professor
11	Mr. Vignesh	Assistant Professor
12	Dr. Sujata Chakravarty	Professor & HOD
13	Dr. Sangram Keshari Swain	Associate Professor
14	Dr. Sabyasachi Mohanty	Associate Professor
15	Dr. P Annan Naidu	Asst. Professor
16	Dr. Bhabendu Kumar Mohanta	Asst. Professor
17	Sasmita Kumari Nayak	Asst. Professor
18	Manoj Kumar Behera	Asst. Professor
19	Mamata Garanayak	Asst. Professor
20	Suwendu Kumar Nayak	Asst. Professor
21	Shivani Nanda	Asst. Professor
22	Raj Kumar Mohanta	Asst. Professor
23	Rakesh Kumar Ray	Asst. Professor

24	Shreela Dash	Asst. Professor
25	Nilamadhab Dash	Asst. Professor
26	Mamata P Wagh	Asst. Professor
27	Debaraj Rana	Asst. Professor
27	Dr. Prasanta Kumar Mohanty	Professor
28	Dr. Smita Mishra Panda	Professor
29	Dr. Susanta Kumar Mishra	Professor
30	Dr. Umakanta Nayak	Associate Professor
31	Dr. Pramod Kumar Patjoshi	Associate Professor
32	Dr. Bibhunandini Das	Associate Professor
33	Dr. Bhavyadeep Bhatia	Associate Professor



Dr. Prasanta Ku. Mohanty
Dean Academic