



# ME Seminar



## Way to take-off

**Vinayak Tsalla, Founder & CEO, Tsalla Aerospace**

### ABSTRACT

Mr. Vinayak S. Tsalla, an Aerospace Engineer with a Master's degree in Aeronautical Engineering from Linköping University, Sweden, now an entrepreneur developing UAS technologies, is here to talk about his past and present experiences. The talk will take you through the journey of Mr. Tsalla from a kid who built chuck gliders at the age of 10 to founding Tsalla Aerospace for designing and building the best quality UAS products for India. Tsalla Aerospace is an aerospace company focused on research, design, development, manufacture and integration of Unmanned Aerial Systems. Our core capability is to develop sustainable military and industrial grade products, with certain redundant systems. Our development of UAVs includes Fixed-Wing, Multi-rotor and VTOL transition systems. These products are an outcome of years of experience combined with innovation and continuous experimentation. With in-house design and manufacturing capability we are uniquely positioned to offer a complete design, prototyping and production service for those with a specific requirement.

### ABOUT THE SPEAKER

Vinayak S Tsalla is currently the Founder and CEO at Tsalla Aerospace, a startup dedicated to the development of Unmanned Aerial Systems to assist either Armed forces to make informed decisions on the battlefield through intelligence and reconnaissance missions or perform humanitarian aid and medicine delivery for civilian applications. Being a National Level gold medalist in aerospace division for best engineering final year project titled "UAV for Short Take – Off and Landing" and having been awarded the Distinguished alumni award from Jain University for his contribution towards developing drones to save lives, he is also the Chief designer and subject matter expert / consultant, for Bharat Forge and Bharat Electronics for the development of UAVs as per the requirements of the Indian defence. Drones developed by Tsalla Aerospace have been used extensively for crowd monitoring and surveillance by the Bangalore city police during the covid19 pandemic. Tsalla Aerospace's drones have also been used to deliver medicines in containment zones in Bengaluru, during the covid lockdown. Mr. Vinayak is the first in India to carry a 50Kg payload on a multirotor in 2018, and he has subsequently broken his previous record by carrying 65 Kg payload in 2019, to become the highest payload to be lifted on an all-electric multirotor in India. His vast experience in designing, prototyping and flight testing of Unmanned Aerial Systems has now made him focus on developing innovative UAVs for the Indian Defence.



**October 07, 2020, 4:00 pm, Microsoft Teams**