



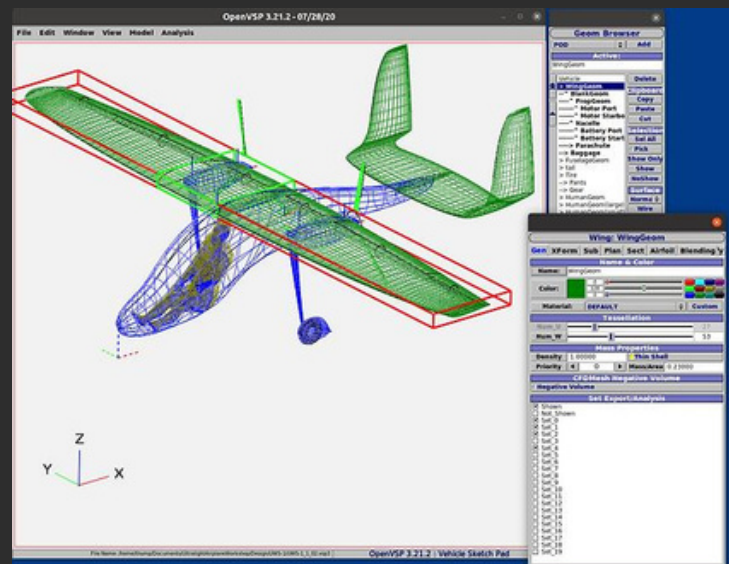
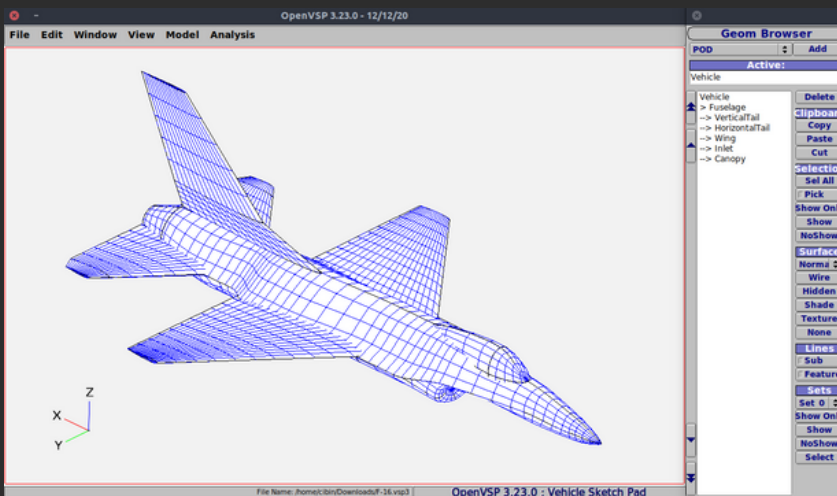
# OPEN VSP WORKSHOP

FOR ABSOLUTE BEGINNERS

# INTRODUCTION

OpenVSP, a.k.a., Open Vehicle Sketch Pad is a parametric aircraft geometry tool. It allows the user to create a 3D digital model of an aerial vehicle by defining its geometrical parameters. This software was initially developed by J. R. Gloudemans and others for NASA in the early 1990's. It was released as an open-source software by NASA from 2012 onwards.

It is an aerospace-oriented CAD model creation tool, suitable for communicating your idea or concept, and it takes much lesser time to learn as compared to other CAD software packages.



## SPEAKER'S PROFILE



NOUMAN UDDIN

- Currently pursuing M. Tech. in Aerodynamics and Flight Mechanics at Indian Institute of Space Science and Technology (IIST), Thiruvananthapuram, Kerala
- Worked as a Project Research Assistant at Lighter-than-Air Systems Laboratory, Aerospace Engineering Department, IIT Bombay, Mumbai, India under an ISRO sponsored project related to design of a UAV for exploration over Mars
- Did a one-month summer training at ADRDE, DRDO in Agra, followed by a two-month project work at IIT Bombay
- Presented five research papers at International Conferences, one of which received the best paper award in December 2020
- Worked as Teaching Assistant to Prof. Rajkumar S. Pant of IIT Bombay during the last four semesters in the NPTEL courses on “Lighter-than-Air Systems”, “Introduction to Aerospace Engineering” and “Introduction to Aircraft Design”
- Was the coordinator for the Fifth National Aerospace Conceptual Design Competition (NACDeC-V)
- Received “Special recognition” for “Academic Excellence Award” in Students-UG (National) category” presented by the Institution of Engineers, India.



## PREREQUISITES

No prerequisites!

Anyone who is interested to learn how to quickly make 3-D digital models can participate in this workshop and develop their skills in aeromodelling.

## WHAT YOU'LL LEARN

It will be a 2-day workshop in which the following will be covered:

- Brief overview of the software and its features
- Live demo to create a 3D digital model of an aerial vehicle.
- Using the model for estimation of drag characteristics, aerodynamic analysis and structural design

## WHEN

DAY 1 - 8 OCTOBER 2022, 6:00 PM TO 7:30 PM

DAY 2 - 9 OCTOBER 2022, 6:00 PM TO 7:30 PM

## MODE - ONLINE

Google meet link will be shared to your registered email ID.

## REGISTRATION FEE

Rs.100 only