



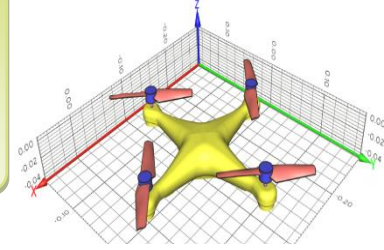
Self-Finance One-Week Online Workshop  
on

# DRONE Design and Analysis using ANSYS Simulation Solutions

6<sup>th</sup> Nov - 10<sup>th</sup> Nov, 2023

Organised by

Department of Mechanical Engineering  
Sardar Vallabhbhai National Institute of Technology, Surat



## ABOUT THE INSTITUTE AND SURAT

The institute was initially established as Sardar Vallabhbhai Regional College of Engineering & Technology in 1961 and elevated as a National Institute of Technology in October, 2002. It has been accorded the status of an Institute of National Importance vide NIT Act 2007. At present, there are six undergraduate courses, seventeen postgraduate courses, and Ph.D. programmes in all disciplines of engineering and applied sciences. It has an excellent placement record with a number of top-ranking companies visiting the campus. The whole campus has the connectivity of the internet with fiber-optic networks including faculty quarters and student hostels. The institute is located at Surat, about 260 kms north of Mumbai and is very well connected by rail and road links to Mumbai as well as Ahmedabad (250 kms)/Vadodara (150 kms). The institute is approximately 10 kms away from Surat Railway Station. Surat is the industrial city with historical importance and is well known for Textile, Jari, and Diamond industries. The leading industries like RIL, ONGC, Kribhco, L&T, ESSAR, NTPC, and GAIL are established in Surat- Hazira area.

## ABOUT THE DEPARTMENT

Department of Mechanical Engineering at SVNIT Surat established in 1961, Mechanical Engineering Department is one of the biggest departments of the institute. Several state-of-the-art research facilities is available in the department to support our academic programs and research. The Department is very well equipped with modern equipment's and computational facilities which are being entertained by dynamic, energetic, trained and experienced faculties.

## PROGRAMME OBJECTIVE

This online workshop would be highly beneficial and productive for the engineers/technical staff from various industries, faculty members, research scholars and students enthusiastic in this emerging DRONE technology.

This workshop focuses on detail design and optimization of drones along with **drop analysis, impact analysis, aerodynamic analysis, GPS antenna design, motor optometric analysis, motor controller design** etc. Participants will be benefited to achieve success in their working/academic environment by putting these skills into practice.

## INDUSTRY ASSOCIATION

ARK Info solutions Pvt. Ltd. is ANSYS Elite Partner and National distributor for Sales and Support. The company has vast experience in Industry segments like Animation, Architectural Engineering & Construction, Gaming, Graphics Design, Manufacturing, Mechatronics and Robotics & Product Design.

### Important Dates

Last Date for Registration 3<sup>rd</sup> November, 2023  
Confirm List of Participants 4<sup>th</sup> November, 2023

### Registration Fees

Industry Personnel **INR 1180 (Including GST)**  
Faculty Members **INR 826 (Including GST)**  
Students / Research Scholars **INR 590 (Including GST)**

All the participants will receive

- ✓ e-certificate after successful completion of the workshop
- ✓ Recordings
- ✓ Geometries for practical sessions

Registration form link: <https://forms.gle/ym7Ggq3ZeqC8FovJA>

**Important:** Authentic NEFT transaction slip is to be uploaded in registration form link for confirm participation

A/c details for NEFT Transaction	A/C No: 37030749143 Name of A/C: Director, SVNIT- CCE IFSC Code: SBIN0003320
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### PATRON

Prof. Anupam Shukla  
Director, SVNIT

### CONVENER

Dr. A.A. Shaikh  
HEAD, DoME

### CO-ORDINATORS

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