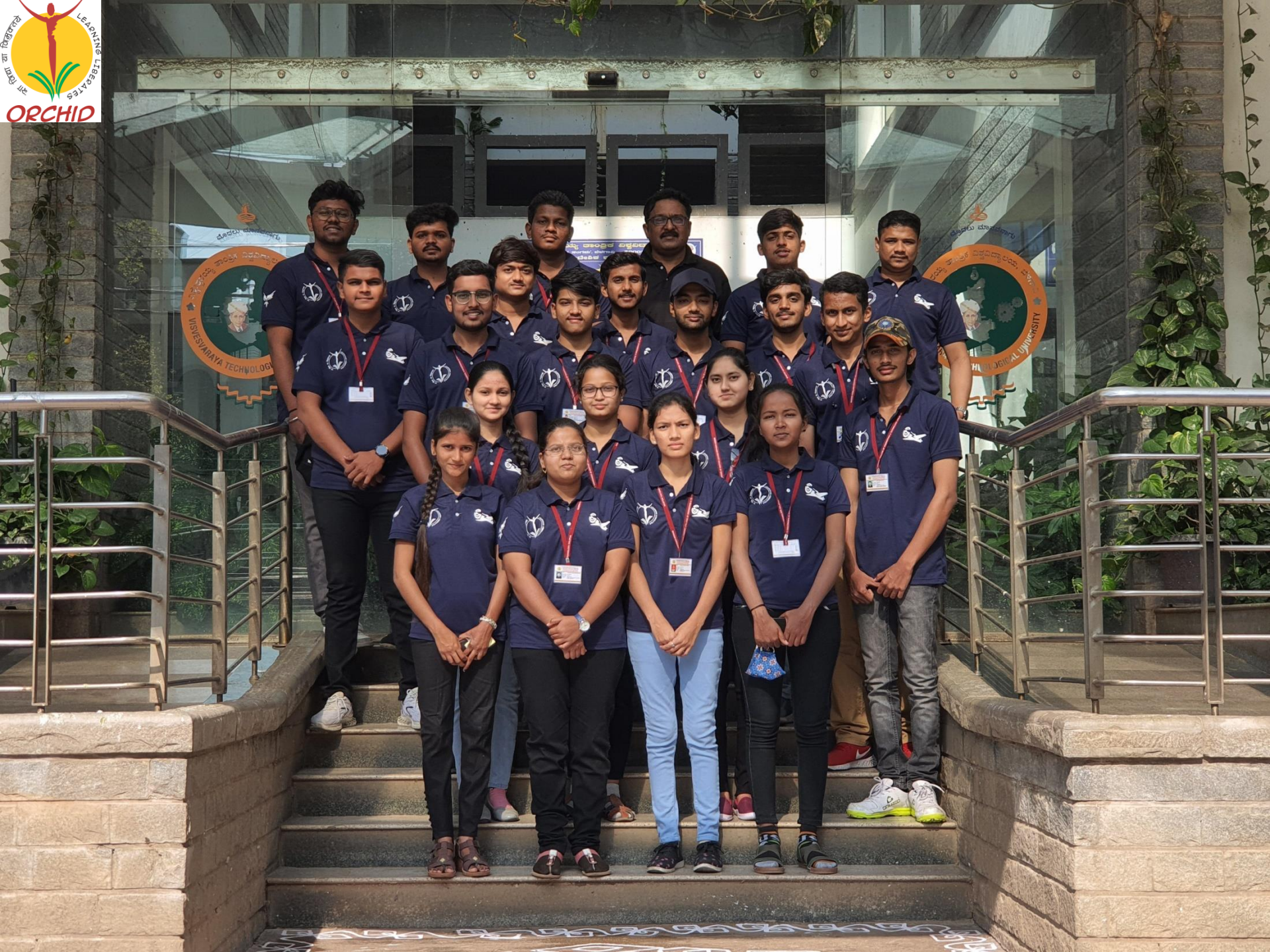
TEAM AVENGINEER'S

Super 21 Orchidians


ORCHID
LEARNING LIGHTENS

Content

- Objectives
- Project Plan
- Our Achievements
- Training Sessions
- Our Capabilities
- Our Investment
- Future Plans
- Expectations

Objectives

- To Design and Develop 2 Seater Aircraft in Campus as a Product Development in the Final Year Engineering.
- To get Masters Degree in Aeronautics and Aerospace
- To create Skilled Engineers in Aeronautics domain to serve Indian Air force
- To get the skills in Aeronautics and Aircraft Building to start own Company

Project Plan

Time Line	Progress Semester wise							
Work Plan	1st	2nd	3rd	4th	5th	6th	7th	8th
Team Formation Process Initial Team Meetings and Team Bonding	→							
Design and Development of RC Aircraft (Engine)	→	→						
C, C++ and Data Structure ADJ InfoTech	→	→						
Industry visits and training of Aircraft domain		→						
Training at K-Tech Bangalore training of Aircraft domain		→	→					
Design and Development of RC Aircraft			→	→	→			
HAL Training			→	→				
3D Modeling Competitions and Aero Design Competitions				→	→			
Minor Degree in CSE or Electronics					→	→	→	
Training to the Students in Supaero University France					→	→		
Design and Development of 2 Seater Aircraft (Virtual + Physical, 3D Digital Design and Simulation and Validation)						→	→	→
Testing and Licensing of the 2 Seater Aircraft								→

Achievement in First Year

- Aircraft and Aeronautics Text Books and Journal Papers Reading
- Designed and Developed RC Aircraft with 5 Feet Wing size and 4 Feet Fuselage.
- Successfully completed 2.50 Minutes @ 250 Feets, RC Flight in Air
- Completed Training in C,C++ and Data Structure

Training Session's

- One Day Training at CARVER ASIAN ACADEMY (done)
- One Day Workshop on Aircraft Basics from Industry Expert (done)
- 10 Day's Online session at K-Tech Institute, Bangalore on 3D Modelling of Aircraft. (done)
- 15 Day's Offline session at Visvesvaraya Technological University, Bangalore on 3D Modelling of Aircraft. (done)
- We gave visit to Hindustan Aeronautics Limited (HAL) Museum, at Bangalore(done)
- We gave visit to Aeronautical Engineering College (DSCE), Bangalore (done).

Our Capabilities

- Well known to 3D Experience Platform and 3D Modelling.
- Completed Course of C, C++, Data Structure through ADJ Infotech.
- Participate National competitions with interest. SAE Students Convention and Aakruti 2021
- Well known to 3D Solidworks.
- Can build RC Airplane individually.
- Never give up attitude.
- Work in team with unity

Our Investment

- Time and money for our dream project.
- Knowledge that we acquired from our mentor, seniors and industry experts.
- Arranged the sessions with industrial experts for detail study.
- Completed trainings related to Aircraft and Aerospace domain.
- Managed and assured responsibilities assigned.
- Successfully completed 2.50 min flight in air @250 ft high.
- Planning to have more team with same passion and attitude.

Future Plan's

- Currently we are working on our next aircraft of 12 Feet Wing span and 10 Feet Fuselage
- Center of Excellence in Aircraft and Aerospace in our Campus.
- Team Avengineers will take lead in Aircraft Building Awareness in Education Centre in and around Solapur.
- Aircraft Building Training at Supareo University France.
- Build 2 Seater Aircraft (Hansa/Sesana) in our Campus
- We are planning to have one more team for various competition conducted in this domain

CENTER OF EXCELLENCE

RC Aircraft Building Glimpses

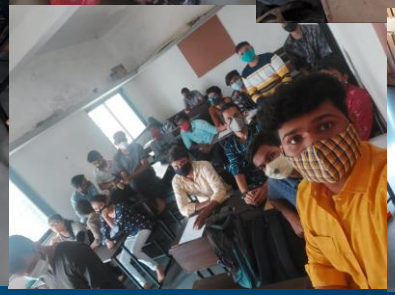













Visit to Carver Aviation, Baramati





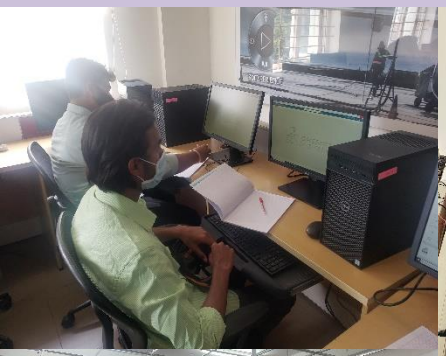




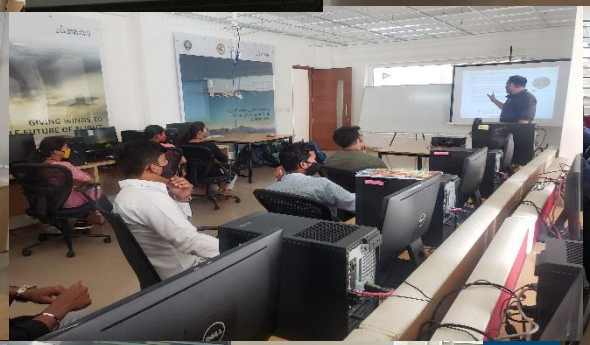



Training Session's

- 15 Day's Session at K-Tech CoE A&D at Visvesvaraya Technological University, Bangalore








Training Session's

- **Visit to Hindustan Aeronautics Limited (HAL) Museum, Bangalore**


















Training Session's

- Visit to Aeronautical Engineering College (DSCE), Bangalore

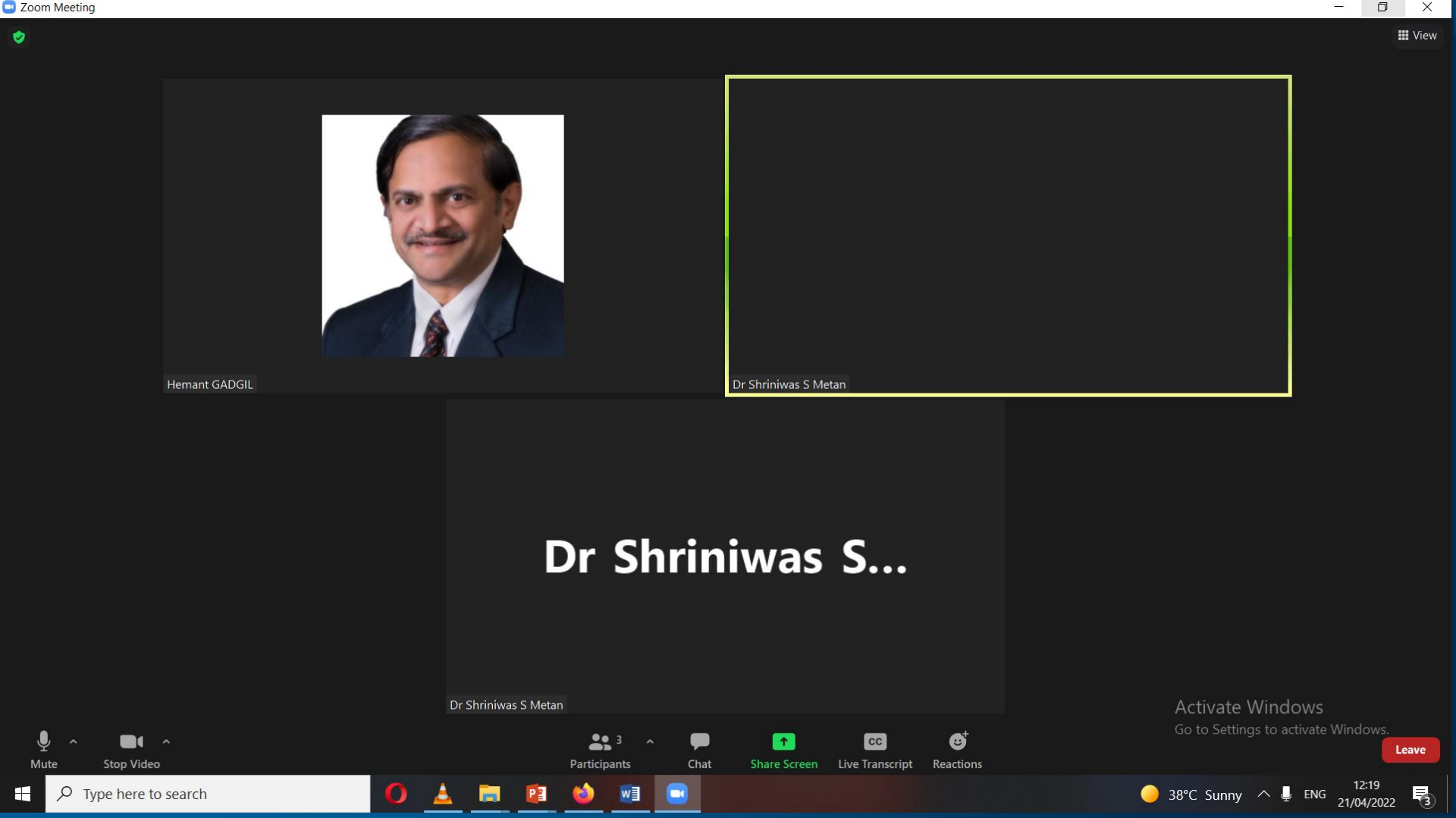








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Zoom Meeting

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Dr Shriniwas S Metan

Dr Dafedar