



Department/ School Name : Aerospace Engineering, SOET
Academic Year : 2021-22
Report on : PROJECT COMPETITION

1. **Event Title:** Project competition
2. **Event Date:** 23rd April 2022
3. **Event Conduction Duration:** 10.30 A.M. to 05:00 P.M.
4. **Event Venue:** Seminar Hall, Y – building, SOET
5. **Name of Event Coordinator with contact details:**

Name: Prof. Dr. M SURESH KUMAR

Mr. Shiva Prasad U

6. **8. Event Resource Person Details (Speaker Image, Speaker name, Designation, company name):**

1) Navin Rathi, HAL, DGM, Nashik

2) Shirsagar, Air India, AGM, Nashik

8. **Event Outline:** Project presentation by Aerospace students

Outline of Program: Saturday, 23rd April 2022, Department of Aerospace engineering, SOET has organized a “Project competition” by Aerospace students. The objective of competition was to ignite the fire of imagination and creativity in the students. Students were asked to present Project’s and through Project express their ideas over models.

Objective of Program: The main objective of the competition is to make student and other realized how we can execute our thoughts via Projects as well as models. There is

no such thing called impossible, every idea or thoughts will have different beneficial use in their different life cycles. We need to utilize it properly.

Output of Program: The programme was inaugurated by our Associate Dean Dr. Anil Maheshwari and Project was reviewed by our chief guest Navin Rathi (HAL, DGM), Shirsagar (Air India, AGM) Student came up with different ideas which made many useful things from their learning and experiences. Every student showed their talent. All know the value, if any barrier are not in to the work then how to implement your things. The competition was arranged in such a way that every student got an opportunity to express their knowledge in form of creativity.

Our honorable judges”Navin Rathi (HAL, DGM), Shirsagar (Air India, AGM), Associate Dean of SOET Dr Anil Maheshwari, HOD of Aerospace Dr Suresh Kumar Mortha.” congratulated every single student who took the efforts and succeed in their ideas and implement in their work.

Some students got prizes as well and others got appreciation.

9. Event photos which must include photos of Inauguration, felicitation, event conduction and valedictory ceremony. (If applicable)

INAUGURATION



Project explanation to our respectful judges









Respectful participation Projects with models



MICRO UAV'S FOR RECONNAISSANCE & SURVEILLANC



DESIGN AND PERFORMANCE INVISTIGATION OF VTOL



STUDY AND PERFORMANCE ANALYSIS OF AXIAL SWIRL NOZZLE



MODELLING & ANALYSIS OF SARRATED



CUBE SATELLITE WITH MAGNETIC FIELD AND WEATHER DETECTIO



MODELLING, FABRICATION & ANALYSIS OF SWIVEL NOZZLE



MULTI-TARGET MISSILE



MODELLIGN AND ANALYSIS OF VTOL AIRCRAFT WING



MANUFACTURING AND NOISE REDUCTION OF SOLID ROCKET MOTO COMPOSITE



RPREPARATION AND CHARACTERIZATION OF EPOXY BASED



HARNESSING ELECTRIC POWER USING HEAT ENERGY FROM GAS
TURBINE ENGINE



MODELLING AND ANALYSIS OF MORPHED AIRCRAFT



HYBRID ROCKET ENGINE WITH AERODYNAMIC MISSILE FINS



MODELLING AND FABRICATION OF A PROTOTYPE MODEL OF TURBOJET ENGINE



FABRICATION OF A MINI HYBRID ROCKET ENGINE & ITS AERIAL PERFORMANCE ANALYSIS



MODELLING AND ANALYSIS OF A UNMANNED COMBACT VEHICLE FRO DEFENCE



OPERATING OF A UAV THROUGH PYTHON PROGRAMMING
HONEYCOMB INTEGRATION INTO ROCKET AIRFRAME





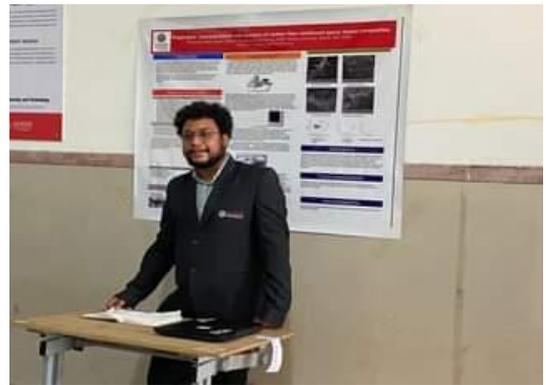
SOLAR POWERED RC PLANE



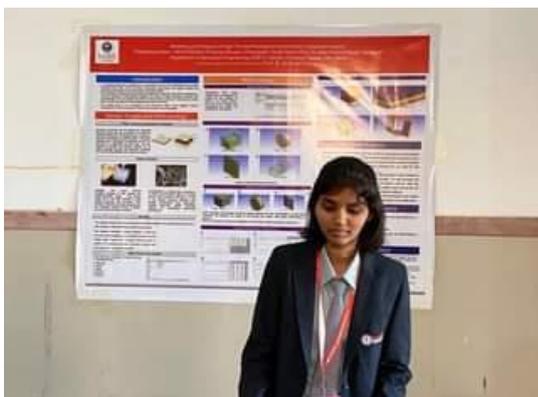
DESIGN AND DEVELOPMENT OF AN SMALL AIRSHIP



DESIGN AND EXPERIMENTAL INVESTIGATION OF SOUNDING SOLID ROCKET MOTOR



PERPARATION AND CHARCTRIZATION OF CARBON FIBER REINFORCED EPOXY COMPOSITES



PREPARATION AND CHARACTERISTICS OF TEMPERATURE CONTROL COMPOSITE MATERIALS INSTRUMENTATION



TO STUDY THE IMPACT OF GPS VELOCITY BASED FLIGHT ON FLIGHT