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**SANJAY
GHODAWAT
UNIVERSITY**



Department of Aeronautical Engineering

SKY IS NOT THE LIMIT
IT'S JUST THE BEGINNING

About the University



**SANJAY
GHODAWAT
UNIVERSITY**

The Sanjay Ghodawat University stands as a beacon of light to guide the younger generation of the day on the right path to fulfillment in career and life. The USP of the University is its research based curriculum and academically oriented teaching staff. The world class ambience and infrastructure helps the students to easily accommodate themselves in an environment that is conducive to the teaching- learning process. Hands on experience, challenge based case studies, maximum participation of students in the classroom, use of modern digital technology, smart classrooms, solution oriented thinking promotion, stress on

research and innovation, international tie ups, outcome based education are some of the features of the University. University has central library with good number of books and e-journals.

About the Department

Having strong aviation background of STAR AIRLINES, SGU started B. Tech. Aeronautical Engineering in the department of Aeronautical engineering from the A Y 2017-18 with vision to be the centre of excellence in education and research in the field of Aeronautical Engineering. The curriculum of B. Tech in Aeronautical Engineering is divided into core courses (44%), Electives (09%), Projects (13%) and remaining 34% Basic science, Humanities and Social Science. Department has well qualified staff with academic and Industrial experience. Department have Student Mentoring system for their overall growth. Student can take up MOOC/NPTEL/SWAYAM online courses of their choice.

Key Differentiations

- Audit courses on Foreign Languages
- Verticals of Department- Aircraft Design and Analysis, Aircraft Operations and Maintenance.
- Minor and Honor B. Tech Degree Program for eligible students.
- Integrated Software Proficiency program to improve employability skills.
- International / National Immersion program.
- Expert lectures by Industry and Academia Professionals.
- Undergraduate research opportunity program (UROP).
- Scholarships for meritorious students.
- Hands on experience in the state-of-the Art laboratories.

Students Achievement



A Paper Titled “Effect of Fuel Injection timing, Injection pressure and combustion chamber shapes on the performance of Diesel Engine run on Biodiesel” was presented at National Conference held in A.G. Patil Institute of Technology, Solapur. I am excited & I opted a good branch in good University.

- Jyoti Mangasuli
(Student, AE 4th Sem.)

A Paper Titled “Effect of Pre-heating the cotton seed Biodiesel on the performance of Diesel” was presented at International Conference held in Government Engineering College, Banswara, Rajasthan. I am happy in the department because I am getting what I need.



- Shubham Mali
(Student, AE 4th Sem.)

Aero modeling Club

- SGU Aero Modeling club was started by the students to test their engineering skills in order to compete globally.



Aircraft Design



IIT Bombay Competition

MoU

- Star Air, Bangalore

Foreign University Collaboration

- Universities of Highland and Island Scotland
- South Carolina University Aiken, USA
- Northumbria University, England
- Nanyang Business School, Singapore
- Nanyang Technological University, Singapore

Lab Facilities Available

- CAD LAB (Centre of Excellence Partner with TATA Technologies).
- Aerodynamics lab- 30cm x 30 cm Subsonic Wind tunnel Available.
- Propulsion Lab-All Lab equipments with MIG R11-Jet Engine and Piston Engine Cut Section available.
- Avionics Lab.
- ALARUS CH2000 Aircraft with working Condition.
- One Aircraft Model.
- Aero Modeling Lab-Drone and RC Aircrafts.
- Composites Lab.
- Aero Engine repair and Maintenance Lab.
- Aircraft Structure Lab.
- Flight dynamics (MATLAB)

Lab Facilities



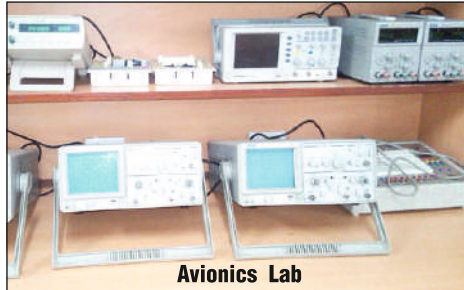
Elements of Aeronautics (ALARUS CH2000 Aircraft)



Aerodynamics Lab (Wind Tunnel)



Propulsion and Aeroengine Lab



Avionics Lab

Potential Recruiters



Guest Lecture



Industrial Visit

TESTIMONIAL



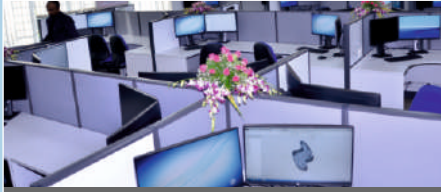
My experience at the Aeronautical Engineering Program of Sanjay Ghodawat University has been very rich and fulfilling. The academic year has been busy with activities like Aeromodelling workshops, visit to Star Air facility, experiencing the Robotic labs, Aeromodelling course organized by the University & also participation in competitions at IIT Bombay. I believe that as a student, I have received everything and more than I expected. Thank you Sanjay Ghodawat University.

- Sagar Patil
S.Y. Aero



The great academic culture and focus on student-centric learning are the hallmarks of the Aeronautical Engineering program at Sanjay Ghodawat University. We have a great rapport with our teachers who are always by our side when we need them. The Management at the University is very supportive and always furthers all types of activities that will bring out the best in students. I am more than happy to be at the Sanjay Ghodawat University.

- Aishwarya Katkar
S.Y. Aero



Tata Technology Competency Center

Centre of Excellence Partner

TATA TECHNOLOGIES

**CATIA | NASTRAN PATRAN | ABAQUS
FLIGHTLOADS | APEX | CREO | ADAMS**

Extra Curricular Activities

- Aero Modeling Club
- CAD Training
- Paper Plane Design
- Glider Design
- Water Rocket
- Kite Festival



Sanjay Ghodawat University Kolhapur

Empowering Lives Globally !

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