

INTERNSHIP CONTENTS

DAY	1 ST PD 1000-1200	2ND PD 1245-1445	3RD PD 1500-1700
1	DGCA – BASIC STRUCTURE	BASIC NAV – SOLAR SYSTEM, SHAPE OF THE EARTH AND HOW IT AFFECTS NAVIGATION, TIME ZONES, LMT, GMT, TWILIGHT	
2	DGCA - PUBLICATIONS	DISTANCES, NM,SM, KM, MAGNETISM AND PROPERTIES	PROJECTIONS – LAMBERT'S, MERCATOR, ETC
3	DGCA – RELEVANT INFO FOR AERONAUTICAL ENGINEERS	DEAD RECKONING NAV, DRIFT, TRACK, TMG, TRACK ERROR, DOG LEGS	EARTH AND ATMOSPHERE – HOW IT AFFECTS FLYING, IONOSPHERE, STRATOSPHERE
4	SPEEDS – IAS, EAS, TAS, MACH NUMBER	MASS AND BALANCE – C OF G, C OF P, STANDARD WEIGHTS, LOAD	PERFORMANCE – PRESSURE ALTITUDE, DENSITY ALTITUDE, STANDARD LEVEL, HEIGHT, CLIMB GRADIENT
5	FLIGHT PLANNING, FLIGHT PLAN AND COMPONENTS	PRESSURE INSTRUMENTS – ALTIMETER, CONSTRUCTION AND ERRORS	ASI AND VSI – CONSTRUCTION AND ERRORS
6	VISIT TO AIRPORT		
7	BASIC AVIONICS – FREQ BANDS AND PROPERTIES	USES OF THESE RADIO FREQ IN AVIONICS	NON DIRECTIONAL BEACON
8	VOR	INSTRUMENT LANDING SYSTEM	RADAR THEORY AND USES IN AVIATION
9	RADIO/RADAR ALTIMETER	GYROSCOPES, ARTIFICIAL HOR, TSI ETC	
10	VISIT TO THE HELICOPTER/FIXED WING, EXPLAIN THE AIRCRAFT AND COCKPIT		



Sanjay Ghodawat University Kolhapur

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Sanjay Ghodawat University Kolhapur

Empowering Lives Globally !

SCHOOL OF TECHNOLOGY
DEPARTMENT OF
AERONAUTICAL ENGINEERING

Organizes

**TEN DAYS INTERNSHIP PROGRAM
On Aviation in Association with
Star Air, Bengaluru.**

From 15th to 24th JUNE 2019

Co-ordinator:

• Prof. K Balaji • Prof. Shubham Khobragade

ABOUT THE UNIVERSITY:

Sanjay Ghodawat University (SGU) established in the Academic year 2017-18 spread across 165 Acres, in serene atmosphere amidst idyllic hills and lush green meadows to study in harmony with Nature. It is established as a State Private University under Govt. of Maharashtra ACT No. XL of 2017 dated 3rd May 2017, with the approval of the UGC and the State government.

ABOUT STAR AIR:

- Ghodawat Aviation is in service since 2013 with Airbus Helicopters.
- Ghodawat Group started Star Airlines from February 2019 (Embraer ERJ 145 Aircrafts).
- Ghodawat Group is in the process to start Star Air Flying Club.

ABOUT THE DEPARTMENT:

With this strong aviation background, SGU started the Department of Aeronautical Engineering in the year 2017 and offers B. Tech. degree in Aeronautical Engineering.

■ Aeronautical Engineering is one of the most challenging and interesting fields of engineering with wide employment opportunities across the globe.

■ There is a tremendous potential in aviation industry as air transportation is growing rapidly and require more aeronautical engineers for design, development, manufacturing, testing, operation & maintenance and management of aircraft.

ABOUT THE PROGRAM:

- This program is basically to provide insight of functioning of DGCA & Aircraft Communication, Navigation & Surveillance System (CNSS)
- It also provides practical Exposure to Aircraft and Helicopter CNS system Components and their Function
- It also aims to show Airport runway & their different markings
- Physical Demonstration of helicopter will be given in star air hanger

SPEAKER:

- Capt. Rajat Kaura – who holds Airline Transport Pilot's Licence which is the highest category of licence for Pilots. He has more than 30 years of experience in Aviation.
- He has flown both Fixed and Rotary wing aircraft in Military and Civil.
- He has flown aircraft in five countries

REGISTRATION FEES:

Rs. 3000 per participant

MODE OF PAYMENT:

Bank Name - YES BANK LTD.

A/c Name - Sanjay Ghodawat University - School Of Technology

A/c No. - **087188700000033**

IFSC Code - **YESB0000871**

Payment accepted through Net Banking / DD / Cheque

PARTICIPANTS:

Total number of participants are restricted to 50. Students from any Engineering discipline can participate. The entries will be given on first-come-first-serve basis.

ACCOMMODATION:

Accommodation will be made available on sharing basis in the SGU Campus Hostel. Each student has to pay Rs. 200 per day for accommodation.

Food facility is available inside the campus in SGU food court on paid basis.

TEN DAYS INTERNSHIP PROGRAM ON AVIATION

From - 15th to 24th JUNE 2019

REGISTRATION FORM

Name: _____

Sex: M/F _____ Age: _____ Years _____

Name of the College : _____

Address : _____

Email ID: _____

Contact No.: _____

Accommodation Required: Yes / No

Registration Payment Details:

DD/Cheque No.: _____

Date: _____ Amount: _____

Bank: _____

Date: _____ Signature of Participant

Note : Fill the form and send the scan copy of filled form along with proof of payment to the mail ID mentioned below and submit the hard copy of the same on the day of reporting.

balaji.k@sanjayghodawatuniversity.ac.in

arobalaji@gmail.com

Last date of Online Registration : **10th June 2019**