



# VELS



INSTITUTE OF SCIENCE, TECHNOLOGY  
& ADVANCED STUDIES (VISTAS)

(DEEMED TO BE UNIVERSITY Estd. u/s 3 OF THE UGC ACT, 1956)

**NAAC ACCREDITED**  
PALLAVARAM - CHENNAI - INDIA

## Department of Aviation



# Brochure

(Programme and Courses offered)

2016-2017

PV Vaithiyalingam Road, Velan Nagar, Pallavaram, Chennai - 600117.

Phone: + 91 - 44 - 2266 2500 / 2501 / 2502 / 2503

Website: [www.velsuniv.ac.in](http://www.velsuniv.ac.in)

**VELS INSTITUTE OF SCIENCE  
TECHNOLOGY & ADVANCED STUDIES  
(VISTAS)**

**Department of Aviation**

**Brochure**

**(Programme and Courses offered)**

**2016-2017**

---

**PV Vaithiyalingam Rd, Velan Nagar, Krishnapuram, Pallavaram, Chennai, Tamil Nadu**

**600117,**

**Phone: + 91 - 44 - 2266 2500 / 2501 / 2502 / 2503**

**Website: [www.velsuniv.ac.in](http://www.velsuniv.ac.in)**

## **About the Department**

Aviation science refers to aircraft operations and support systems. In addition to flight operations, it includes aircraft maintenance, air traffic control, and airport and airline management. The aerospace and aviation industry includes a wide range of careers requiring a variety of skill sets. Aviation science is the study of the basic components required for a career in this industry. Aviation science includes all the support systems that keep airlines running in a safe, efficient and orderly fashion, including air traffic control, airport operations, airline management, maintenance and piloting an aircraft.

The Indian aviation industry today is gradually undergoing changes- It is not just about core maintenance activity or flying operations but, a host of other allied services. Renowned aviation companies from overseas are seeking India as a joint venture destination to set up their allied business operations.

### **Department of Aviation**

1. B.Sc. Aviation ... 3 years (6 semesters)

## PROGRAM AND COURSE DETAILS 2016-2017

Programme Name	Course code	Subject Name
B.Sc. – Aviation	16CBAV11	FAMILIARIZATION OF AIRPORT
	16CBAV12	AVIATION CALCULATION AND NUMERICAL
	16CBAV13	RADIO TELEPHONY
	16LENG11	ENGLISH PAPER - I
	16LFRE11	FRENCH PAPER - I
	16LHIN11	HINDI PAPER - I
	16LTAM11	TAMIL PAPER - I
	16CBAV21	THEORY OF FLIGHT ( AERODYNAMICS )
	16CBAV22	FAMILIARIZATION OF AIRCRAFT
	16CBAV23	BASIC ELECTRICITY AND AIRCRAFT ELECTRICAL SYSTEMS
	16DBAV21	AVIATION HISTORY, INDIAN AND WORLD HISTORY
	16LENG21	ENGLISH PAPER - II
	16LFRE21	FRENCH PAPER - II
	16LHIN21	HINDI PAPER - II
	16LTAM21	TAMIL PAPER - II
	16PBAV21	PRACTICAL - RADIO TELEPHONY WORKSHOP
	16CBAV31	AIR REGULATION - I
	16CBAV32	AIR NAVIGATION
	16CBAV33	METEOROLOGY - I

B.Sc. - Aviation	16CBAV34	PISTON ENGINE AND PROPELLERS
	16CBAV35	HUMAN FACTORS
	16PBAV31	PRACTICAL - ATC COMMUNICATION AND ITS UNITS
	16CBAV41	AIR REGULATION - II
	16CBAV42	RADIO AIDS
	16CBAV43	AERO ENGINES
	16EVS041	ENVIRONMENTAL STUDIES
	16GBAV41	QUANTITATIVE APTITUDE, LOGICAL REASONING AND DATA INTERPRETATION
	16PBAV41	PRACTICAL - HANGAR WORKSHOP - I
	16CBAV51	AIRCRAFT INSTRUMENTS
	16CBAV52	METEOROLOGY - II
	16CBAV53	AIRCRAFT SYSTEMS
	16CBAV54	CIVIL AVIATION REQUIREMENTS (CAR) AND SAFETY MANAGEMENT SYSTEMS
	16CBAV55	FLIGHT PERFORMANCE AND PLANNING
	16PBAV51	PRACTICAL - HANGAR WORKSHOP - II