

Nitte (Deemed to be University), Mangaluru in collaboration with Aerodynamiks Academy, offers two innovative 4-year undergraduate programs in Civil Aviation at Nitte Meenakshi Institute of Technology, Bengaluru.

- **BSc (Hons) Civil Aviation Pilot Training (CAPT)**
- **BSc (Hons) Civil Aviation Flight Dispatcher (CAFD)**

These programs are designed to meet the rigorous demands of the aviation industry, both nationally and internationally, equipping students with the necessary skills, knowledge and practical experience to soar high in their aviation careers.

## About Nitte University

Nitte University, Mangaluru is recognized for its quality education and commitment to social values as envisioned by its Founder late Justice KS Hegde. It is accredited with A+ Grade by NAAC, ranked 66th in National Institutional Ranking Framework (NIRF) 2024 and 1501+ in THE World University Rankings 2025. It offers undergraduate, postgraduate and doctoral programs in the disciplines of engineering, management, architecture & planning, medicine, dentistry, pharmaceutical sciences, physiotherapy, nursing, natural sciences, biological sciences, commerce and humanities.





## About Nitte Meenakshi Institute of Technology

Nitte Meenakshi Institute of Technology (NMIT) established in the year 2001, is a constituent college of Nitte Deemed to be University, Mangaluru. NMIT located in Yelahanka, Bengaluru, is approximately 20 km by road from Kempegowda International Airport. It is recognized by the All India Council for Technical Education, New Delhi and is placed in the Rank Band of 101-150 in NIRF 2024 by the Ministry of Education, Govt among the engineering colleges in India. The college offers undergraduate and postgraduate programs in Engineering, Management and Computer Applications.

## About Aerodynamiks Academy

Aerodynamiks Academy, a leader in aviation education, brings its expertise in training professionals for the aviation industry, ensuring that students receive training, aligned with international standards. Through this collaboration, Aerodynamiks Academy provides the practical experience and theoretical knowledge essential for aspiring aviation professionals, utilising world-class simulators, flight labs and aviation-specific training modules. The faculty consists of experienced professionals who have held critical positions in the global aviation industry.



# PROGRAMS



## BSc (Hons) Civil Aviation Pilot Training (CAPT)

This program is the first of its kind in Karnataka, aligning with the prestigious European Union Aviation Safety Agency (EASA) standards. It is meticulously crafted for students who aspire to become professional pilots. The program covers a blend of theoretical studies and rigorous hands-on flight training, ensuring students are fully prepared for the challenges of commercial aviation.

### Highlights

- Comprehensive training in aerodynamics, air navigation, meteorology and aviation law.
- In-depth CPL (Commercial Pilot License) training with 230 hours of flight training (200 hours on aircraft and 30 hours on simulators).
- Multi-engine endorsement and instrument rating, ensuring students are job-ready in a global aviation market.
- Training aligned with international aviation safety and regulatory standards.

## BSc (Hons) Civil Aviation Flight Dispatcher (CAFD)

This is India's first BSc (Hons) Civil Aviation Flight Dispatcher program, designed to cater to the growing demand for trained professionals in flight dispatch and airline operations. The program trains students in managing flight operations, crew resource management and aviation safety, with a focus on air traffic regulations and flight planning.

### Highlights

- Specialised training in aviation safety, flight dynamics and air traffic management.
- Hands-on learning through observation flights, industry visits and interaction with industry veterans.
- Curriculum designed to develop critical thinking, analytical abilities and problem-solving skills essential for modern airline operations.

## Eligibility

Pass in Class 12 from any recognized Board, with Physics & Mathematics as optional subjects with minimum 45% marks in aggregate. Candidates should have completed 17 years of age as on 31st December of the year of admission.

**Candidates seeking admission to BSc (Hons) CAPT should submit Class II Medical Certificate.**



## Detailed Year-by-Year Curriculum

Both the BSc (Hons) CAPT and BSc (Hons) CAFD programs span 4 years. The 4th year involving advanced training is optional allowing the students to graduate at the end of 3 years with a BSc degree. Each year builds upon the previous one, combining classroom learning with practical experience. Below is a detailed breakdown of the curriculum:

### 1<sup>st</sup> Year

#### **BSc in Civil Aviation Pilot Training (CAPT) & BSc in Civil Aviation Flight Dispatcher (CAFD)** (Private and Commercial Level)

- Air Regulations
- Air Navigation
- Air Meteorology
- Radio Telephony and Communications
- Aircraft Performance
- Aviation English

### 2<sup>nd</sup> Year

#### **BSc in Civil Aviation Pilot Training (CAPT) & BSc in Civil Aviation Flight Dispatcher (CAFD)** (Airline Level)

- Aviation Weather
- Aviation Law
- Jet Oriented Training
- Airline Route Navigation
- Jet Aircraft Performance
- Human Factors
- Crew Resource Management (CRM)
- Safety Management System (SMS)



## 3<sup>rd</sup> Year

### BSc in Civil Aviation Pilot Training (CAPT)

#### FLIGHT TRAINING

- 230 Hrs Flight Training
  - 200 Hrs on Aircraft
  - 30 Hrs on Approved Flight Simulator

Flight Training as per DGCA Requirements for Commercial Pilot License with Instrument Rating & Multi Engine Endorsement.



### BSc in Civil Aviation Flight Dispatcher (CAF D)

- Navigation & Air Traffic Management
- Flight Planning & Monitoring
- Aviation Indoctrination
- Aircraft Mass (Weight & Balance)
- Civil Air Law and Regulation
- Flight Dispatch Function
- Security & Transport of Dangerous Goods

#### 4<sup>th</sup> Year (Optional)

### BSc (Hons) in Civil Aviation Pilot Training (CAPT) &

### BSc (Hons) in Civil Aviation Flight Dispatcher (CAF D)

- Aviation Security
- Command Orientation Training
- Pilot Competencies
- Flight Instructor Training
- Aircraft Accident and Incident
- Dangerous Goods



## Training Facilities

Students have access to the latest aviation training technologies that include:

- **Flight Simulators:** For real-time, immersive flight training.
- **Smart Classrooms:** Equipped with the latest audio-visual aids to facilitate interactive learning.
- **Aircraft Familiarisation:** Hands-on exposure through observation flights and visits to maintenance hangars and air traffic control towers.

## Industry Exposure and Internships

Both programs are designed to ensure that students gain real-world experience through industry visits, internships and interactions with seasoned professionals in the aviation industry. These opportunities provide insights into day-to-day airline operations and help students build valuable industry connections. Internships, visits to maintenance hangars and air traffic control towers, as well as simulator facilities, aircraft familiarization and observation flights for students will be part of the curriculum.

## Career Opportunities

Graduates of BSc (Hons) CAPT and BSc (Hons) CAFD programs will find themselves equipped with the knowledge and skills needed to excel in various aviation careers. Some of the career paths available to graduates include:

### BSc (Hons) CAPT

- Commercial Pilot
- Corporate Aviation
- Flight Instructor
- Charter Pilot

### BSc (Hons) CAFD

- Flight Dispatcher
- Airline Operations Manager
- Aviation Safety Officer
- Air Traffic Management Specialist

## FEE STRUCTURE

 **College Fee: Rs. 2 Lakhs per annum**

 **Flying Training Cost (for CAPT):**

- India: Rs. 42 Lakhs – Rs. 45 Lakhs
- USA: Rs. 55 Lakhs – Rs. 60 Lakhs
- South Africa: Rs. 38 Lakhs – Rs. 40 Lakhs



**NITTE**  
(Deemed to be University)

[apply.nitte.edu.in](http://apply.nitte.edu.in)

 +91 70228 27317 | +91 95131 88844