

OCFC GLOBAL AVIATION ACADEMY

Module I Ground School in India.

The Foundation Every Pilot Career Is Built On.

DGCA · FAA · EASA OCFC GAA EXCLUSIVE TWO TRACKS

What Is Module I?

Module I is where your pilot career begins — on Indian soil, in a classroom, before you ever touch a throttle. OCFC GAA offers two tracks under Module I depending on where you want your career to go. Both cover the theoretical foundation required to become a pilot. The difference is in scope, regulatory coverage, and what comes next.

THE PROGRAM HAS TWO TRACKS

MODULE I-A

Ground School — DGCA Track

DGCA Aligned. Built for India.

DURATION	6 months (Part-time) 3-4 months (Full-time)
REGULATORY ALIGNMENT	DGCA (India)
LOCATION	OCFC GAA, India

Module I-A is a focused, DGCA-aligned Ground School program built for students who want to complete their pilot theory in India before pursuing flight training domestically. The curriculum covers all five subjects mandated by the DGCA for CPL eligibility, plus the RTR (Radio Telephony Restricted) certification.

PROGRAM FEE — MODULE I-A

Rs. 2,50,000

Education loan options available through Yes Bank and Kotak Mahindra Bank.

The Six Subjects

01 Air Navigation

Learn to navigate using dead reckoning, VOR, GPS, ILS, radar, and GNSS. Covers general navigation, flight planning, aircraft instruments, and radio navigation. The subject that tells you exactly where you are — at all times.

02 Aviation Meteorology

Understand pressure systems, cloud formations, jet streams, turbulence, icing, and thunderstorms. Learn to read every aviation weather code that exists. Make the right call before the weather makes it for you.

03 Air Regulations

Master Indian aviation law, ICAO standards, and airspace classification. Covers VFR/IFR rules, emergency procedures, and transponder operations. Know how to operate legally and safely in any airspace in the world.

04 Technical General

Understand your aircraft from piston engines to gas turbines, landing gear to hydraulics. Covers fuel systems, avionics, and full aircraft systems. Know what's happening in the machine — not just how to operate the controls.

05 Technical Specific

Aircraft-specific systems: engine specs, airspeed limitations, instrument panels. Covers fuel systems, ECU, pitot-static, and stall warning systems. Learn the exact aircraft you'll fly — before you fly it.

06 RTR — Radio Telephony Restricted

Master ATC phraseology, distress procedures, HF communications, and aerodrome operations. Covers approach control, area control, and runway/taxiway markings. OCFC GAA through DGCA approved flight training affiliates is authorised to conduct SPL and FRTOL(R) exams with live audio/video feed to DGCA examiners.

Eligibility

QUALIFICATION	Class 12 with Physics & Mathematics (or equivalent recognised by DGCA) for CPL track
PPL TRACK	Class 10 is sufficient to begin
ENGLISH	Good English communication skills
MEDICAL	Fit for DGCA Class 2 Medical (Class 1 required for CPL)
SECURITY	Valid security clearance required
AGE	Minimum 16 to start; 18 for PPL and CPL

Didn't take Physics & Maths in Class 12? You can appear for these subjects through NIOS (National Institute of Open Schooling) or any other DGCA-recognised board. You are not disqualified.

After Module I-A

PATH 1	Fly with OCFC Affiliated FTOs in India	Continue your flight training at any OCFC affiliated FTO in India.
PATH 2	DGCA-Approved FTO of Your Choice	Take your OCFC GAA Ground School certificate to any DGCA-approved flight school.

Our Subject Syllabus

Aviation Meteorology

S.No	Topic
1	Atmosphere
2	Atmospheric Pressure
3	Temperature
4	Air Density
5	Humidity

6	Winds
7	Visibility and Fog
8	Vertical Motion and Clouds
9	Stability and Instability of Atmosphere
10	Optical Phenomena
11	Precipitation
12	Ice Accretion
13	Thunderstorm
14	Air Masses Fronts and Western Disturbances
15	Jet Streams
16	Clear Air Turbulence
17	Mountain Waves
18	Tropical Systems
19	Climatology of India
20	General Circulation
21	Meteorological Services for Aviation
22	Station Model
23	Aerodrome Met Reports and Codes of METAR, SPECI and TREND
24	Aviation Weather Forecasts (Codes of TAF, ARFOR, ROFOR)

Air Navigation

General Navigation

S.No	Topic
1	The Solar System
2	The Earth
3	Projections
4	Convergency
5	Time
6	Compass and Directions
7	Distances on Earth Surface
8	Magnetism and Compasses
9	Dead Reckoning Navigation (DR)
10	Measurement of DR Elements Pressure
11	Measurement / Determination of Temperature
12	Measurement of Elements
13	In-flight Navigation

14	Mass and Balance — Aero Planes
15	Performance
16	Flight Planning and Monitoring — Aero Planes

Aircraft Instruments

S.No	Topic
1	Air Data Systems (Pressure Instruments)
2	Altimeter
3	Air Speed Indicator (ASI)
4	Vertical Speed Indicator (VSI)
5	Gyroscope
6	Inertial Navigation
7	Altitude Alert Systems
8	Power Plant and System Monitoring Instruments
9	Basics of Electronic Displays

Radio Navigation

S.No	Topic
1	Basic Radio Theory
2	ADF / NDB
3	Track and Drift Questions
4	Very High Frequency Omni Direction Radio Range (VOR)
5	VOR/RMI/ADF Related Questions
6	Holding, Radial Intercept, Bearing to Plot
7	ILS (Instrument Landing System)
8	Radar
9	Global Navigation Satellite Systems (GNSS)
10	Summary of Navigation Aids and Instruments

Air Regulations

S.No	Topic
1	Classification of Airspace
2	Civil Aviation Organisation and Aeronautical Information Service in India
3	Indian Aircraft Act 1934
4	Indian Aircraft Rules 1937
5	Visual Meteorological Conditions (VMC) and Visual Flight Rules (VFR)
6	Instruments Meteorological Conditions (IMC), Instruments Flight Rules (IFR) and Special VFR

7	Aerodrome Markings, Signs and Lighting
8	Radar
9	Global Navigation Satellite Systems (GNSS)
10	Summary of Navigation Aids and Instruments
11	Designators of ATS Routes and Its Use in Voice Communications
12	Altimeter Setting Procedures
13	ICAO Flight Plan
14	Holding Patterns
15	Separation Minimas and Wake Turbulence
16	Marshalling Signals
17	Emergency, Radio Communication Failure & Contingency Procedures
18	Interception of Civil Aircraft
19	Visual Signals from Ground to Ground/Air
20	Operation of Transponder
21	General Rules of Air
22	Lights to be Displayed on Aircraft
23	Aircraft Registration and Markings
24	Runway Conditions and Braking Action
25	Performance Based Navigation System
26	Air Defence Clearance
27	The Aircraft Public Health Rules, 1954
28	Carriage of Minimum Fuel and Oxygen On-Board

Technical General

S.No	Topic
1	Introduction to Technical General
2	Powerplant — Piston Engines
3	Power Plant — Gas Turbines
4	Landing Gear
5	Flight Controls
6	Hydraulics
7	Air Systems & Air Conditioning
8	Anti-icing & De-icing
9	Fuel Systems
10	Emergency Equipment
11	Electrics — Electronics Direct Current
12	Electrics — Electronics Alternating Current

13	Airframes & Systems
14	Fuselage, Wings & Stabilising Surfaces
15	Instrumentation — Flight Instruments
16	Instrumentation — Warning & Recording
17	Principles of Flight — The Atmosphere
18	Instrumentation — Automatic Flight Control
19	Instrumentation — Power Plant & System Monitoring Instruments
20	Principles of Flight — Overview and Definitions
21	Principles of Flight — Basic Aerodynamic Theory
22	Principles of Flight — Subsonic Airflow
23	Principles of Flight — Lift
24	Principles of Flight — Drag
25	Principles of Flight — Stalling
26	Principles of Flight — High Lift Devices
27	Principles of Flight — Airframe Contamination
28	Principles of Flight — Stability and Control
29	Principles of Flight — Controls
30	Principles of Flight — Flight Mechanics
31	Principles of Flight — High Speed Flight
32	Principles of Flight — Limitations
33	Principles of Flight — Propellers

Technical Specific

S.No	Topic
1	Dimensions, Engine and Propeller Specifications
2	Airspeed Limitations, Airspeed Indicator Markings
3	Power Plant Limitations
4	Engine Instrument Marking, Mass and CG
5	Airframe, Flight Controls, Landing Gear
6	Instrument Panel
7	Powerplant and Propeller
8	Fuel System Cooling System
9	Electrical System ECU
10	Pitot Static System — Stall Warning System

RTR — Radio Telephony Restricted

Part 1

S.No	Topic
1	Introduction, RTR Exam Syllabus and Information on How to Crack RTR Exam
2	Organisations
3	Aeronautical Services

Part 2

S.No	Topic
1	General Operating Procedures
2	General RT Phraseology
3	Aerodrome Control of Aircraft Traffic
4	Aerodrome Control of Vehicular Traffic
5	General ATS Surveillance Service Phraseology
6	Approach Control
7	Area Control
8	Distress and Urgency Procedures and Communications Failure Procedures
9	Transmission of Meteorological and other Aerodrome Information
10	Miscellaneous Flight Handling Phraseology
11	HF Communications
12	Visual Signals, Runway/Taxiway Markings/Lightings
13	Miscellaneous

Part 3

S.No	Topic
1	Electricity and Magnetism
2	Radio Theory
3	Aircraft Communication and Voice Systems
4	Aircraft Navigation Systems

DGCA Exam Requirements

Flight Training in India
• Navigation
• Meteorology
• Air Regulations

• Technical General
• Technical Specific (Single Engine & Multi Engine)
• RTR

Flight Training Abroad — Commonwealth Countries (e.g. New Zealand, Canada)
• Navigation
• Meteorology
• Air Regulations

Flight Training Abroad — Non-Commonwealth Countries (e.g. USA)
• Navigation
• Meteorology
• Air Regulations
• RTR

MODULE I-B

Ground School — DGCA + FAA + EASA Track
Three Authorities. One Program.

DURATION	6 Months
REGULATORY ALIGNMENT	DGCA (India) + FAA (USA) + EASA (Europe)
LOCATION	OCFC GAA, India

Module I-B is OCFC GAA's comprehensive Ground School track. Beyond the five DGCA subjects and RTR, Module I-B extends coverage to FAA and EASA syllabi simultaneously — and integrates five professional development programs designed to prepare you for airline standards from day one. This is the track that opens every door.

PROGRAM FEE — MODULE I-B

Rs. 5,00,000
 Or equivalent in USD depending on training location

Education loan options available through Yes Bank and Kotak Mahindra Bank.

What's Included in Module I-B

- 01

All Five DGCA Subjects + RTR — Extended to FAA & EASA
 The same five subjects as Module I-A, extended to simultaneously cover FAA and EASA syllabi. One program. Three regulatory frameworks.
- 02

Symbiotics Aviation Assessment Program (ADAPT)
 Aviation aptitude and psychometric assessment familiarization through the internationally recognised Symbiotics system — used by airlines, FTOs, and cadet programs across 80+ countries.

03 **Aviation English & Radio Communication — PlaneEnglish**

Aviation English and ATC communication training via PlaneEnglish, official communication training partner of OCFC GAA. Includes ARSim, ATSim, and the Aviation Radio Communication Manual.

04 **Mind Dynamics — Mental Performance Training**

Situational awareness, stress regulation, faster decision-making, CRM readiness, and visualisation techniques tailored to aviation training environments.

05 **Public Speaking, Assertive Communication & Personality Development**

Build the confidence, leadership presence, and professional communication skills that every airline interview and cockpit environment demands.

MODULE I-B · COMPONENT 02

Symbiotics Aviation Assessment Program

ADAPT — Airline-Standard Aptitude Testing

At OCFC Global Aviation Academy, we believe professional pilot preparation extends far beyond classroom instruction. Modern airlines evaluate candidates on cognitive ability, communication skills, psychological readiness, coordination, decision-making, and professional aptitude. Module I-B integrates aviation aptitude and assessment familiarization through the internationally recognised Symbiotics aviation assessment system.

About Symbiotics

Symbiotics is an internationally recognised aviation assessment company and owner of the ADAPT (Assessment of Pilots' Abilities and Traits) online testing system — used globally throughout the aviation industry since 1996.

11,500+

Assessments monthly

130

Testing locations

80+

Countries worldwide

Airline Industry Relevance

The Symbiotics assessment framework is associated with airline evaluation systems used by major aviation organisations and cadet selection programs including Air India, IndiGo Airlines, International Cadet Pilot Programs, and Airline Sponsored Pathways.

Assessment Familiarization — Components & Duration

Assessment Component	Duration
Cadet Personality Questionnaire	45 Minutes
Cognitive Reasoning	30 Minutes
FAST Assessment	15 Minutes
Progressive Mathematics	30 Minutes
Progressive Physics	30 Minutes
Control & Coordination (Ball Game)	5 Minutes
Flight Test Assessment	20 Minutes
English Knowledge Assessment	60 Minutes

Areas Students Will Develop

Aviation decision-making · Cognitive reasoning ability · Mathematical and physics application · Hand-eye coordination · Multi-tasking skills · Situational awareness · Communication confidence · English proficiency · Professional pilot aptitude · Mental workload management · Airline-style assessment readiness

MODULE I-B · COMPONENT 03

Aviation English & Radio Communication

Official Communication Partner: PlaneEnglish

Becoming a professional pilot is not only about flying — it is also about mastering the language of aviation. Module I-B students receive Aviation English and Radio Communication training through OCFC GAA's partnership with PlaneEnglish, one of the world's leading aviation communication training platforms. PlaneEnglish is a proud partner of the FAA Safety Team (FAASTeam).

Included Training Products

- 01

ARSim — Aviation Radio Simulator
An advanced aviation radio simulator using speech-analysis technology to provide immediate feedback on phraseology, radio proficiency, pronunciation, speech patterns, and communication accuracy. Students practice real-world communication scenarios similar to those used in controlled airport environments and FAA training operations.
- 02

ATSim — Air Traffic Communication Practice
A professional communication training platform for practicing aviation phraseology through repetition-based learning and real-time feedback — improving communication flow, listening skills, timing and response, and professional aviation vocabulary.
- 03

Aviation Radio Communication Manual
Complements ARSim and ATSim. Helps students understand standard aviation terminology, learn proper radio communication structure, develop confidence using Aviation English, and practice FAA-standard phraseology.

This training is especially valuable for international students, students transitioning into FAA flight training, students preparing for U.S. airport operations, cadets pursuing airline careers, and pilots training in controlled airport environments.

MODULE I-B · COMPONENT 04

Mind Dynamics

Mental Performance Training for Pilots

Aviation is not only about technical flying skills — it also requires confidence, focus, decision-making ability, and the ability to remain calm under pressure. The Mind Dynamics course helps student pilots develop the mental discipline, emotional control, and situational awareness required throughout aviation training environments.

Situational Awareness Attention control, mental scanning, information prioritisation, and cognitive flexibility — helping pilots avoid tunnel vision during high-workload phases like takeoff, approach, and emergencies.	Stress & Anxiety Regulation Breathing control, visualisation, self-talk regulation, and performance routines to stay calm, maintain cognitive clarity, and reduce panic responses under pressure.
Faster Decision-Making Pattern recognition, risk assessment, cognitive resilience, and confidence without overconfidence — critical during abnormal procedures, weather deviations, and equipment failures.	Crew Resource Management (CRM) Communicate clearly, recognise emotional reactions, reduce ego-driven errors, and maintain cockpit discipline. Mind Dynamics directly reinforces CRM principles.

Visualisation & Mental Rehearsal Mentally flying instrument approaches, rehearsing emergency checklists, and visualising manoeuvres — one of the strongest evidence-supported applications of mental training.	Error Detection & Self-Monitoring Notice cognitive bias, recognise degraded performance, detect stress responses, and interrupt error chains early — aligning closely with aviation safety culture.
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MODULE I-B · COMPONENT 05

Public Speaking, Assertive Communication
& Personality Development

Today's aviation industry demands pilots who can communicate clearly, think confidently under pressure, present themselves professionally, and interact effectively in multicultural environments. This course is designed for the new generation of Indian students preparing for international aviation careers, airline interviews, and professional communication standards.

Course Objectives	Skills You Will Build
• Communicate opinions and needs confidently	• Public speaking confidence
• Set healthy personal and professional boundaries	• Assertive communication
• Handle criticism and conflict constructively	• English fluency and clarity
• Build confidence under pressure	• Professional presentation skills
• Develop negotiation and interpersonal skills	• Leadership communication
• Use emotional regulation in difficult conversations	• Interview and group discussion preparation
• Demonstrate leadership presence and influence	• Professional etiquette
• Overcome fear of rejection, criticism, and conflict	• International communication standards

The \$5,000 Credit — Module I-B Exclusive

THE \$5,000 CREDIT

\$5,000 or Equivalent

Students who successfully complete Module I-B receive a \$5,000 or equivalent credit toward their flight training at Orange County Flight Center (OCFC), USA.

For example: the PPL to CPL program including Multi-Engine Rating at OCFC is priced at \$62,500 (lump sum). After applying the Module I-B credit, the total becomes \$57,500 (lump sum).

Applicable upon: Submission of application · Issuance of I-20 form · Successful approval of M-1 student visa by the U.S. Embassy.

After Module I-B

PATH 1	Fly with OCFC USA	Head to John Wayne Airport, Orange County, California with your \$5,000 credit applied.
PATH 2	Affiliated University Programs	Join one of OCFC's affiliated aviation universities for a structured flight training pathway.
PATH 3	Your Choice	Take your OCFC GAA Ground School certificate anywhere. Our training meets global aviation standards.