



**UNIVERSITY OF PUNE**  
**INDIA**



**"Fachschule für Luftfahrzeugführer"**  
**GERMANY**

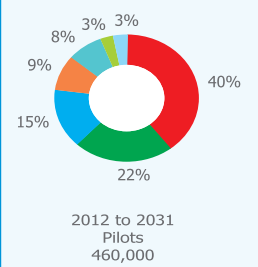


## An Outlook into Aviation Industry

- Worldwide air traffic is estimated to double within the next 15 – 20 years!
- Asia is the fastest growing market in the world!
- Some countries don't have the capacity to satisfy the market demands.
- International cooperations might help to alleviate shortages, and help to meet required international accepted industrial standards.

### Pilot & Technician Outlook New pilots by region 2012-2031

Region	Pilots
Asia Pacific	185,600
Europe	100,900
North America	69,000
Latin America	42,000
Middle East	36,100
CIS	11,900
Africa	14,500
<b>Total</b>	<b>460,000</b>



### Current Market Outlook 2012-2013



## OUR GOAL

- To provide excellent education & training for future (airline) pilots in a safe and efficient manner to satisfy the needs of major airlines
- ...by adhering to the following objectives:
  - KNOWLEDGE (in-depth technical knowledge in aviation)
  - SAFETY FIRST (as the governing aim)
  - SCHEDULE (punctuality & reliability)
  - ECONOMY (improvement of productivity)



## ABOUT UNIVERSITY OF PUNE



Pune is the main educational center of India for higher education. Numerous students from every corner of India and the world come to Pune, being safe and peaceful city. The climate of Pune is pleasant and good for health. The city of Pune houses many well-known, established institutes and colleges. University of Pune is one of the finest and most popular educational centers across the nation. It offers excellent programs in various areas including Science, Commerce, Arts, Languages, Management Studies and Engineering & Technology.

### About University of Pune

University of Pune, one of the premier universities in India, is positioned in the North-western part of Pune city. It occupies an area of about 411 acres. It was established on 10th February, 1948 under the Poona University Act. The university houses 52 academic departments. It has about 307 recognized research institutes and 650 affiliated colleges offering graduate and under-graduate courses.

The university attracts many foreign students due to its excellent facilities. It offers good accommodation facility. There is a provision of hostel for the students. There is a well-stocked library containing plenty of books regarding various subjects. The university offers different scholarships to the students. The university conducts seminars and conferences for the students.

## Programme Details

- Duration of M.Tech. (Aviation) : Two Years (4 Semesters)
- Masters level course work at UoP for First Semester, advanced course work, flying training, masters thesis at FFL, Germany for three semesters.
- Selection of Students will be done through entrance examination, round of interviews and physical fitness test.
- Intake will be of 24 students per semester.
- After successful completion of first semester students shall be sent for further education & training to FFL, Germany.
- After successful completion of theory and practical requirements of the programme, students will be awarded M.Tech. (Aviation) Degree by University of Pune.
- Students shall get ~200 hrs. of flying training (includes night flying along with training on multi engine aircraft flying).
- Students shall get LBA and DGCA commercial pilot licenses.
- Financial loans shall be facilitated through bank tie-ups by UoP and FFL
- In semester four, students will have to carry out project in the technical field of aviation and submit the original scholarly work in the form of Masters Thesis.
- After getting selected for the said programme, students will have to produce Class I Pilot Medical certificate from DGCA approved medical practitioner.



## Academic Training Details

- Air Law
  - Aircraft General Knowledge
  - Aircraft Instrumentation
  - Mass and Balance
  - Performance
  - Flight Planning
  - Human Performance and Limitations
  - Meteorology
  - Navigation
  - Radio Navigation
  - Operational Procedures
  - Principles of Flight
  - Communications
  - In processing / Flight Safety Briefings
  - Computer Based Training (Learning Center)
- Total** ~800

## Flight Training

Phase I:	Basic Flying Skills leading up to 1st SOLO-Flight	10:00 hours
Phase II:	Basic Navigation Skills leading up to 1st SOLO X-Country	20:00 hours
Phase III:	PPL Proficiency and Confidence buildup	15:00 hours
	Commercial Flight Training (Long Distance X-Country)	30:00 hours
	Night Flying Training	10:00 hours
Phase IV:	Basic Instrument Flying Training (Simulator)	40:00 hours
	Basic Instrument Flying Training (SE Aircraft)	45:00 hours
	Basic Instrument Flying Training (ME Aircraft)	15:00 hours
Phase V:	Multicrew Cooperation (Simulator)	15:00 hours
	<b>Total</b>	<b>200:00 hours</b>

## Entry Requirements for M.Tech. Aviation

- B.E./B.Tech./B.S. (Engg.)/ B.Sc. (Aviation)\*
- Capable of holding a Class 1 Pilot Medical
- No previous flying experience required
- Foreign nationals with bachelors degree in Engineering or Technology are also eligible to apply.

\* One year pre-requisite at University of Pune

## Academic Training

- The theoretical training prepares students for the official "Commercial Pilot License" examination conducted by respective civil aviation authorities.
- All instructors are professionals and experts in their subject such as engineers, airline pilots, meteorologists and physics.
- All Classrooms are equipped with "state of the art" technology and complying with the latest industry standards.
- Students receive ~800 hours of class room instruction including 80 hours CBT (Computer Based Training), revisions, progress checks, exercises and exam preparation

## Estimated Costs per Student

<b>UoP Fees :</b>	4,00,000 ₹
<b>FFL Fees (to be paid in Germany) :</b>	
Enrollment and Governmental Fees	22,000 €
Phase I:	4,000 €
Phase II:	7,000 €
Phase III:	9,000 €
Phase IV:	25,000 €
Phase V:	3,000 €
<b>Total</b>	~ 70,000 €

Including fuel, landing fees, flight kit, study material (tablet & handouts), examination fees.

## Estimated Costs per Student

<b>Additional Costs:</b>	
Initial Medical Class I	600 €
Annual Medical Class I	150 €
Housing and living expenses / month	~ 700 €
<b>EXPECTED DURATION OF EDUCATION AND TRAINING:</b>	
India	6 Months
Germany	18 Months

## Estimated Costs per Student

### Additional Training when needed:

C 172 / PA 28	280 € / hr
C-152	210 € / hr
C-PA-Simulator	180 € / hr
DA - 42	480 € / hr

## Proposed Timeline

Week 1-24	: UOP Semester
Week 25	: In processing / Housing
Week 26 - 51	: Academics
Week 52 - 60	: Break / Leave and Test Preparation
Week 61	: Test Week at national authority (LBA)
Week 62 - 66	: Phase I
Week 67 - 70	: Phase II
Week 72 - 82	: Phase III & IV (Simulator)
Week 83 - 84	: Break / Leave
Week 85 - 95	: Phase IV (Flying) + Multi Crew Cooperation
Week 96	: Final Check





## UNIVERSITY OF PUNE

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# FFL

