Aeronautical Institute of Bangladesh (AIB)
(A Landmark in Aviation Engineering & Technology)

Prospectus

Build your career as an AME
(Aircraft Maintenance Engineer)

Objectives . . .

- 4 years specialized AME course
- Job opportunity in national & international level
- Highly paid profession in the world
- Social recognition

www.aib.edu.bd

AIB is an Institute approved by
Govt. of The Peoples Republic of Bangladesh
Civil Aviation Authority of Bangladesh
Dear prospective students,

As chairperson of the Institute, I welcome you to the Aviation community. Congratulation on taking the first step in securing a future which is as challenging as it is rewarding.

The AIB has been imparting training to students for career development in aeronautical engineering since 1999 and we continue to take great pride in providing all our students with a quality education.

In all our aviation courses, you will study and work with a dedicated faculty where main purpose is to prepare students for the tough working aviation world. You will be an active participant in your education, not just as observer. We congratulate you who would be a member of the Aviation Society after joining this Institute; you will be attached with a faculty member who will serve you as your counselor.

We will be happy to fulfill your aviation career needs to the best and cordially invite you be with us.

[Signature]

KHANDKAR IFTEKHAR AHMAD, psc
Air Commodore (Retd.)
Chairman
Aeronautical Institute of Bangladesh (AIB)
An airplane is the fastest mode of transportation. It is a very complex machine. Its maintenance activities require a very high standard of technical knowledge and skill. The airlines that had been monopolized by government only for quarter of a century, now-a-days it has opened up for private sectors. As a result several private airlines have come up. But none availability of technical manpower like qualified technicians and engineers has become a great impediment to these newborn airlines.

There are many potential students who cherish dream to become Aeronautical professional but fail to do so for want of aeronautical institutes in our country. Only a few who can afford to go to abroad for such training or study and after completion of study hard, they comeback to meet the home demand. In this situation, the demand for private aeronautical institute is growing day by day as there is no such institution in our country.

To this end in view, Aeronautical Institute of Bangladesh (AIB) has been established to fulfill the needs of the new situation. AIB is formed by a group of experienced aviation expert. So the interested readers, you are most welcome to join our Aeronautical Institute of Bangladesh (AIB) as student and we will be happy to fulfill your needs to our best.

Engr. S.M. Akmal Hossain (F - 6970)
Ex. Engineer Officer, Biman Bangladesh Airlines
CEO, Aeronautical Institute of Bangladesh (AIB)
Dear young stars at home & abroad, I, as Chief Instructor of AIB would like to welcome you in this aviation world where uncountable potentialities are waiting for you; I can give you the guarantees that once you be a good AME (Aircraft Maintenance Engineer) All the wants will be fulfilled for you, your family, like financial need, social status, housing problem, travelling at home & foreign countries etc.

With 40 years background in Aviation sector I am still working in AIB since its day of establishment. From 1999 we are working for its upgrading and development. Every day we are learning that there is no end of learning and development and always there is room for improvement.

If you want to be an AME with best product you are to make grasp the theoretical Knowledge & practical experience. Your job field is open in national and international airlines. But the only root is the AME course from one government affiliated institute like AIB. We are here to prescribe you AIB as your institute. Step in to a right door; step out to an excellent profession & with honor. Best wishes to you.

Engr. GM Anwer Hossain
Chief Instructor
Aeronautical Institute of Bangladesh (AIB)
Welcome!

AERONAUTICAL INSTITUTE OF BANGLADESH (AIB) - is affiliated by Bangladesh Technical Education Board (BTEB) and approved by the Civil Aviation Authority of Bangladesh (CAAB). An educational institute engaged in training and preparing students for all aspects of aviation services, it strives to impart the required skills to the students, creating an unsurpassable service aptitude and enhancing the ability to think and act independently, along with an emphasis on developing personal poise. Everything at Aeronautical Institute of Bangladesh (AIB) is dealt professionally so that the students are better equipped to enter aviation services worldwide with confidence.

VISION

To be one of world’s leading institutions of higher education in aviation engineering and related disciplines.

MISSION

To offer outstanding educational programs that allow students to develop their creative, analytical, communication and critical thinking skills in a collaborative, nurturing environment that promotes life-long learning and contributes to success in their professional careers.

To value and support academic as well as applied research amongst its faculty both in their disciplines and in the appropriate pedagogy necessary to be effective engineers and to serve the aviation industry.

CORE VALUES

Excellence: Achieving the highest quality in all we do.
Leadership: Developing the visions and strategies for a desired future, and aligning and energizing our people to achieve our vision.
Innovation: Creating and implementing new ideas and methods.
Collaboration: Working cooperatively with other organizations and the local aviation sector.
Responsiveness: Providing appropriate programs and services in a proactive, flexible and timely manner.
Accountability: Measuring our performance and using the results for improvements.
Stewardship: Ensuring our programs and services add value to our students and communities.
Aircraft Maintenance Engineering and Its Future Growth Potential

Bangladesh air transport industry is on the rise with the emergence of new airlines and the national carrier like Biman Bangladesh Airlines, United Airways (BD) Ltd. and many others are gearing up to take the tough competition ahead. In fact, the success of the aviation industry is an integral part of the nation’s economic development & social progress.

The rapid growth in air travel is revealed by the statistics that with the introduction of competitive fares by the airlines, they have seen remarkable growth year on year. With the entry of low fare frill airlines and their affordable rates are bound to increase the number of air passengers’ community day by day.

Viewing the tremendous potential of the industry several international players have shown interest to participate in this shining sector. The intention to open up the skies and increasing the air connectivity – both within the country & outside world, has prompted several private domestic airlines to operate in the profitable international routes as well.

With an increase in the number of airlines and its fleet size the field of Aviation Maintenance would also grow in a proportionate manner. While Bangladesh had been exporting manpower, country’s aviation sector requires importing engineers & pilots to meet our demand which leads to higher costs. Having aircraft maintenance education centre within the country can tremendously bring down the cost & ‘down time’ of aircraft. Thus we conclude that Bangladesh has bright chances & the potential to be a hub of aviation activities with aviation maintenance as a core area. Aeronautical Institute of Bangladesh has taken the initiatives which will stimulate the market of airlines & create passenger growth.
Who are AME's??

An Aircraft Maintenance Engineer (AME) is a person licensed to ensure that aircraft are airworthy in accordance with local and international aviation standards. The AME's are the men behind the sophisticated flying machine. Each aircraft is required to be certified for its fitness for flight before being accepted by the pilot for a take-off. This certification is required to be carried out by a person who has been specifically trained to inspect and evaluate the safety and airworthiness aspect of the aircraft and its system.

Thus, an AME is expected to be a dedicated, knowledgeable and skilled professional. In fact, the lives of the passengers and crew on board an aircraft vests in the hands of an AME. Skill and professionalism is infused only upon experience and exposure. An AME therefore exposes himself/herself to several such aircrafts, engines or systems and extends his/her scope of license to cover various types of airplanes. This is the way of increasing his qualification, skills and market demand through which one goes up the ladder of success in this vast field of Aviation industry. There goes a saying ‘AME’s are not born, they are made’. Hence, a student with an average academic background could as well be crafted into a specialized AME if he has within him, the 3D’s dedication, discipline and dynamism. It is here that he/she is nurtured to graduate as a technical doctor for the AIRCRAFT, its engines, systems etc.

HOW TO BECOME AN AME?

A student meeting the academic requirements been laid down by CAAB, undergoes the stipulated training at an approved AME training school like AIB and thereafter obtains On-the Job Training (OJT) while continuing to pass the certificate exams conducting by BTEB. It is pertinent to note that the AME training course conducted at our Institute is as per ICAO Type II standards and hence is valid internationally for graduating as an AME. A career as an AME offers excellent pay, benefits & growth opportunities with ample chances to go abroad.
Flow Chart showing steps to become an AME
Airports in Bangladesh

At present, CAAB’s activities are being carried out from 3 international airports, 5 domestic airports and 7 STOL (Short Take off and Landing) ports with 1 new domestic airport under construction.

THREE INTERNATIONAL AIRPORTS
1. Hazrat Shahjalal International Airport, Dhaka
2. Shah Amanat International Airport, Chittagong
3. Osmani International Airport, Sylhet

FIVE DOMESTIC AIRPORTS
1. Saidpur Airport
2. Shah Makhdum Airport, Rajshahi,
3. Jessore Airport
4. Barisal Airport and
5. Cox’s Bazar Airport.

SEVEN STOL PORTS
These STOL (Short Take-off and Landing) ports are situated at the following places (the service is not available now):
Lalmoinirhat, Thakurgaon, Ishurdi, Shamshernagar, Tejgaon, Comilla, Bogra.

Worlds Different Airlines Operated in Bangladesh

| Air Asia (AK) | Singapore Int. Airlines (SQ) |
| Jet Airways (9W) | Cathay Pacific (CX) |
| Kingfisher Airlines (IT) | Dragonair |
| ChinaSouthern Airlines (CZ) | Gulf Air (GF) |
| China Eastern Airlines (MU) | Mihin Lanka |
| Emirates (EK) | Thai Airways (TG) |
| Qatar Airways (QR) | United Airways (bd) Ltd |
| Saudi Arabian Airlines (SV) | Regent Airways |
| Kuwait Airways (KU) | Air Arabia (G9) |
| Etihad Office Dhaka (EY) | Malaysia Airlines (MH) |
| Biman Bangladesh Airlines (BG) | Air India (AI) |
| Druk AIR (KB) | Bangkok Air (PG) |
| Fly Dubai | Pakistan International Airlines (PIA) |
| Maldevian Airlines | Atlas Aviation (IRH) |
| British Airways (World Cargo) | Jordan Aviation (R5) |
| Tiger Airways |
AIB’s Lab equipments at a glance
AIB's panel of Instructor & Administration

Aeronautical Institute of Bangladesh is one of its kind in Bangladesh, Our Chief Instructor (CI), Deputy Chief Instructor (DCI) and other senior instructors are highly experienced, qualified and retired aeronautical engineers from Birnan Bangladesh Airlines as well as from Bangladesh Air Force.

The panel of instructors are an excellent combination of qualified with depth of experience in Aviation engineering & technology as well as related subjects. You are welcome to see yourself a successful aircraft maintenance engineer under their professional multimedia teaching techniques. Wide range of practical training on engineering technology and overall health safety (OHS) with numerous study & fun tours are planned for you at AIB.

Our administration and academic assistance team extends their professional services for every student and their guardian's for their utmost satisfaction. This is your ultimate opportunity to build your bright career in the world's fastest-growing aviation sector.
“AERONAUTICAL INSTITUTE OF BANGLADESH” (AIB) - an Aviation Engineering Education & Training based Institution. Being the only one of its kind in the country; AIB is a landmark in aviation engineering as well as a whole new chapter for the new generation to grab the opportunity of a career in ever-growing Aviation Industry which amalgamates professional pride & job satisfaction.

At the Aeronautical Institute of Bangladesh (AIB); Education is an Art to learn the Science, it is the belief, which makes us concentrate on three major aspects—

- Richly Experienced faculties
- State-of-the-art technology in terms of Equipments
- Modern Teaching Aids & Methodology.

When you are in AIB you can always expect the very best:

- Best Teaching facilities, includes almost all available modern Teaching Aids
- Highly qualified and experienced faculty from the industry.
- Exclusive Modern Workshop
- Welding, Soldering, Brazing Lab.
- Engine Lab.
- Airframe Lab.
- Machine shop & Fitting Lab.
- Computer Lab.
- Wi-fi Facility
- Hostel Accommodation
- Transport facility - for Outdoor Training
- AC classrooms
- Electrical Lab.
- Electronics/Radio-Radar Lab.
- Instrument Lab.
- Physics & Chemistry Lab.
- Language Club
- Health-Care facility
- 24 Hours power supply
- Multimedia based classroom
- OHP facility
EASA Licencing System

The European Aviation Safety Agency (EASA) is a European Union (EU) agency with safety, regulatory and executive tasks in the field of civil aviation. EASA licence (Aircraft Maintenance Engineer) is very attractive and prestigious certificate issued by the authorized organization accepted by EASA. This licence is accepted worldwide and it has enormous demand in the aviation sector in the world with high salary. AIB has been continuing its activities to prepare Students for the EASA examination since 2010. In the mean time a good number of students from AIB and students from other institutions have successfully completed some of the EASA modules. Their result is excellent. At present EASA modules examination is conducted by British council of Bangladesh.

AIB has experience and qualified teachers to guide the students for the EASA examination. To provide facilities for the EASA examination preparation, AIB provides syllabus and course note of different modules. Many important books have been collected which helps the students to qualify EASA licence examination easily.

AIB desires to maintain a separate faculty and extend more facilities for the EASA licence examination where students will be able to sit for the exams at AIB campus. Meanwhile, AIB has made an agreement with a European Maintenance Training organization "Amikon" of Lithuania to get facility so that EASA licence can be achieved easily.

Foreign AMEs getting training in AIB campus
**Admission Policy**

Aeronautical Institute of Bangladesh admits students irrespective of their national origin, color, gender, disability or religion to all the rights, privileges and programs offered by the institute. The admission policy is based on the qualifications of the student holding a recognized higher secondary school certificates or equivalent in science.

**Admission Guidelines**

**Admission Rules and Procedures**

- The language of instruction throughout the programs is English; the command of the language in both oral and written contexts is fundamental to every student's success in his/her study program.
- For students who are weak in English and /or Mathematics, AIB provides Business English preparation courses and Mathematics support programs.
- All documents presented by applicants to complete a file for admission become the property of the institute. Accepted or rejected applicants may not reclaim any of those documents.

**Entry Requirements**

For all students who wish to enroll into AIB’s programs they will need to demonstrate that their qualification meets the entrance requirements laid-out for AIB. These are general guidelines only and exact requirements will vary on an individual basis and from subject to subject.

**Application Procedure**

- Can be applied through web site: www.aib.edu.bd

To process an application for admission, applicants must fulfill the following requirements:

- Complete primary information form (PIF).
- Higher Secondary certificate or equivalent endorsed by the proper authority, (Photocopy.)
- Transcripts S.S.C & H.S.C
- Four recent, color, passport-sized plus two stamp-sized photographs.
- A photocopy of the applicant’s or guardian’s national ID.
- Original copy of citizenship certificate from Upazilla Parishod Chairman/Ward Commissioner.
- Original Testimonial from institution Last attended.
- Qualified the AIB assessment test or the intake admission test.
- Non refundable application fee of TK-500/= this fee is payable only once.
A senior instructor of AIB is conducting practical class on live aircraft.

Student working aircraft engine.

Student & Instructor at Airport.

Conducting practical Class at live Aircraft.

A student of AIB is doing job successfully at Arirang Aviation.
APPROVED SPECIAL COURSES FOR EXPERIENCED MAINTENANCE PERSONNEL

We also have special facilities for aircraft maintenance experienced personnel. Following CAAB approved basic/refresher training courses are available:

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<th>Basic</th>
<th>Refresher</th>
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<tr>
<td>1. Airworthiness Legislation</td>
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<tr>
<td>2. Human Performance and Limitations</td>
<td>2. Airframe</td>
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<td>3. Helicopter</td>
<td>3. Aircraft Turbine Engine</td>
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<td>5. Aircraft AC Power</td>
<td>5. Aircraft Instruments &amp; Integrated Flight Systems</td>
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<tr>
<td>6. Aircraft DC Power</td>
<td>6. Human Performance and Limitations</td>
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Foreign Engineers at Refresher Course

GOVERNMENT APPROVED FOLLOWING TRAINING COURSES ARE ALSO AVAILABLE AT AIB

1. Air Hostess & Cabin Crew:
   3/6 Month (360 hours)

2. Travel, Tourism & E-Ticketing:
   3/6 Month (360 hours)

3. Aviation Management:
   3/6 Month (360 hours)
AIB MAIN CAMPUS AT UTTARA, DHAKA
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<th>REGENT AIRWAYS (BD) LTD.</th>
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<th>NOVOAIR</th>
<th>BANGLADESH FLYING ACADEMY</th>
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<td>R&amp;R AVIATION</td>
<td>MGI</td>
<td>TAC AVIATION LTD</td>
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<td>Bismullah Airlines</td>
<td>Bangla International Airlines Ltd</td>
<td>Sky Capital Airlines</td>
<td>Pacific Aviation Limited</td>
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OTHER ACADEMIC CURRICULAR PROGRAMS

- Bachelor of Engineering in Aircraft Maintenance Engineering
  With the cooperation of
  **Assumption University of Thailand**
  (Under Process)

- EASA License Courses
  With the cooperation of
  **AMIKON Aviation Training**

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